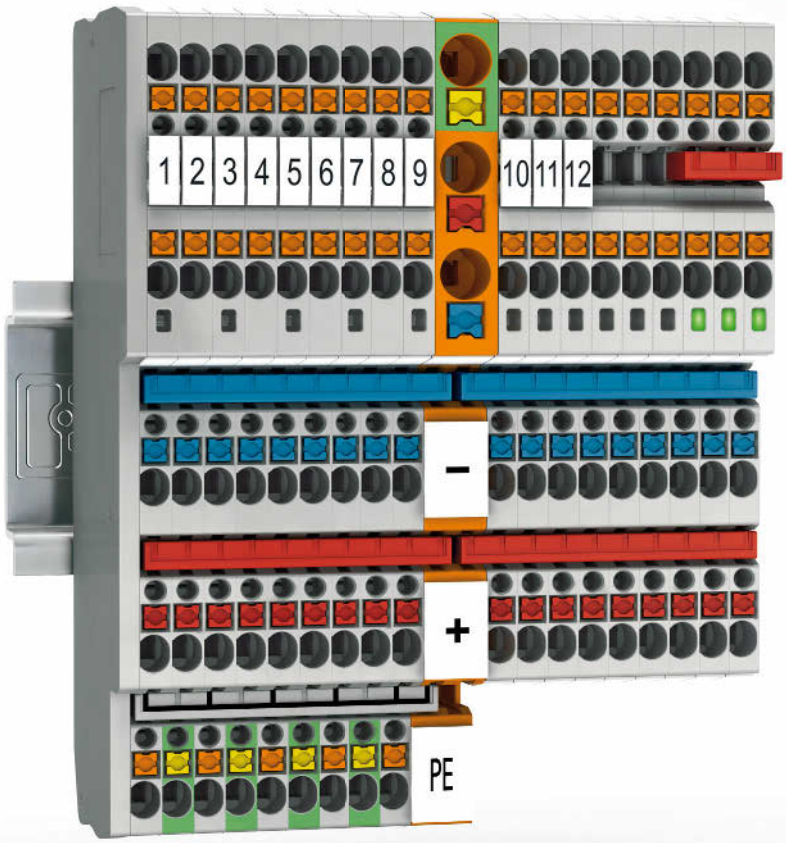
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Modular Terminal Blocks

2013 / 2014



PHOENIX CONTACT
INSPIRING INNOVATIONS



PCB connection technology and electronics housing
- PCB terminal blocks and plug-in connectors
- Electronics housing



Connection technology for field devices
- Plug-in connectors
- Cables and connectors



Modular terminal blocks



Sensor/actuator cabling and industrial plug-in connectors
- Sensor/actuator cabling
- Cables and connectors
- Plug-in connectors



Marking systems, tools, and mounting material
- Marking and labeling
- Tools
- Installation and mounting material



Surge protection and power supply units
- Lightning monitoring system
- Surge protection and interference filters
- Power supply units and UPS
- Protective devices



Interface technology and switching devices
- Electronic switching devices and motor control
- Measurement and control technology • Monitoring
- Relay modules • System cabling for controllers



Control technology, I/O systems and automation infrastructure
- Ethernet networks • Functional safety • HMIs and industrial PCs • I/O systems
- Industrial lighting and signaling • Industrial communication technology
- Fieldbus components and systems • Wireless data communication
- Process infrastructure • Software • Controllers

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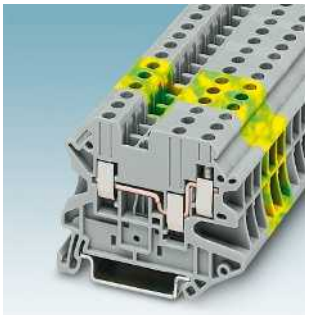




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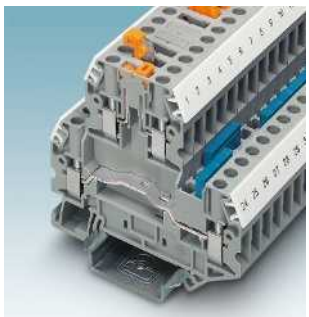
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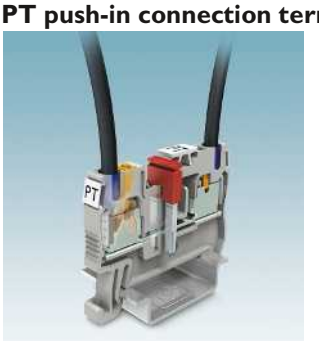


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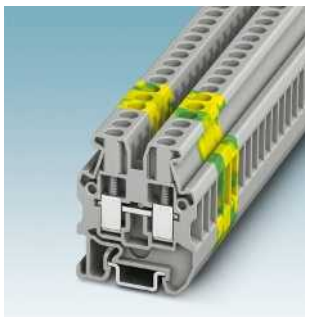
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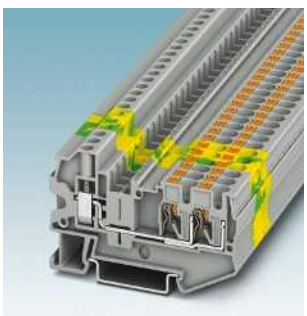
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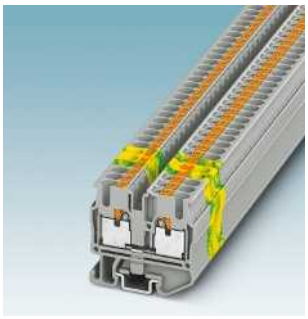
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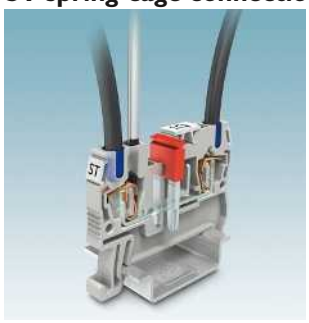


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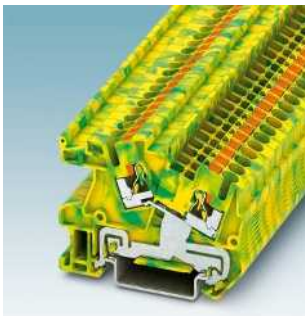


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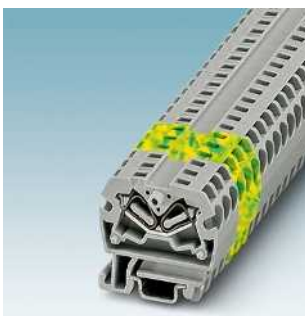
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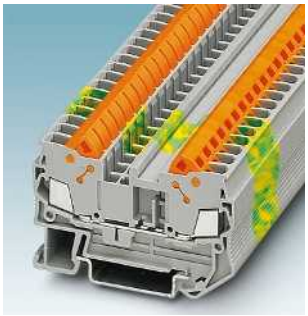


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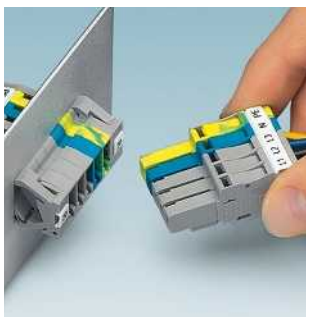
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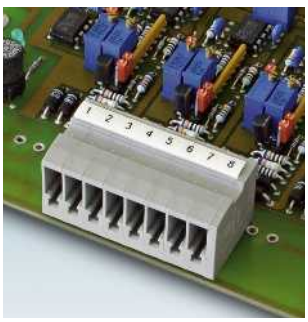
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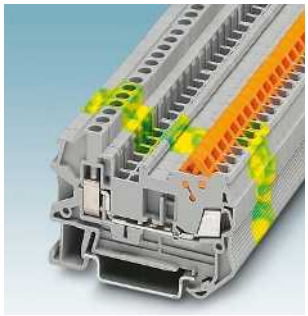
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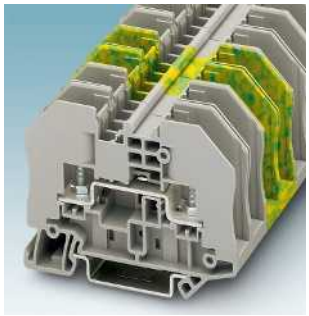
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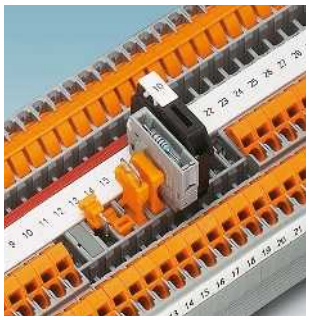
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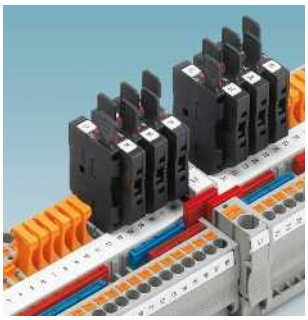
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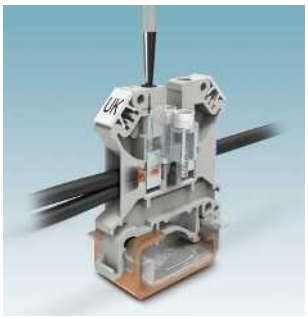


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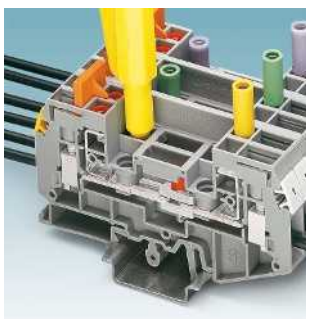
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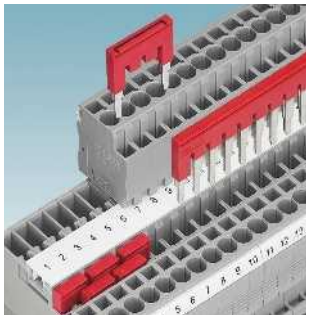
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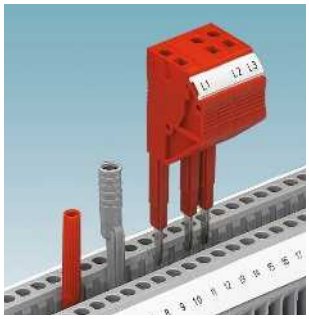


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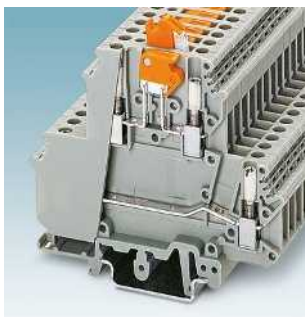


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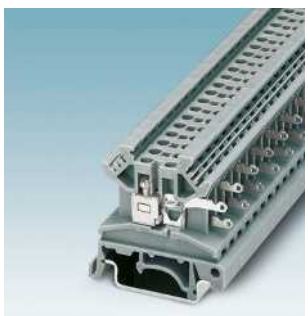
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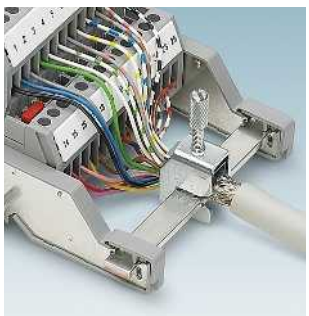
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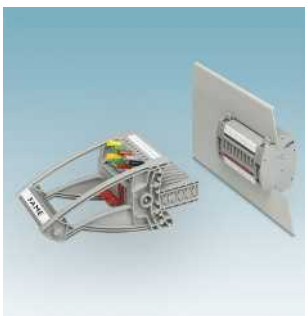
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Service

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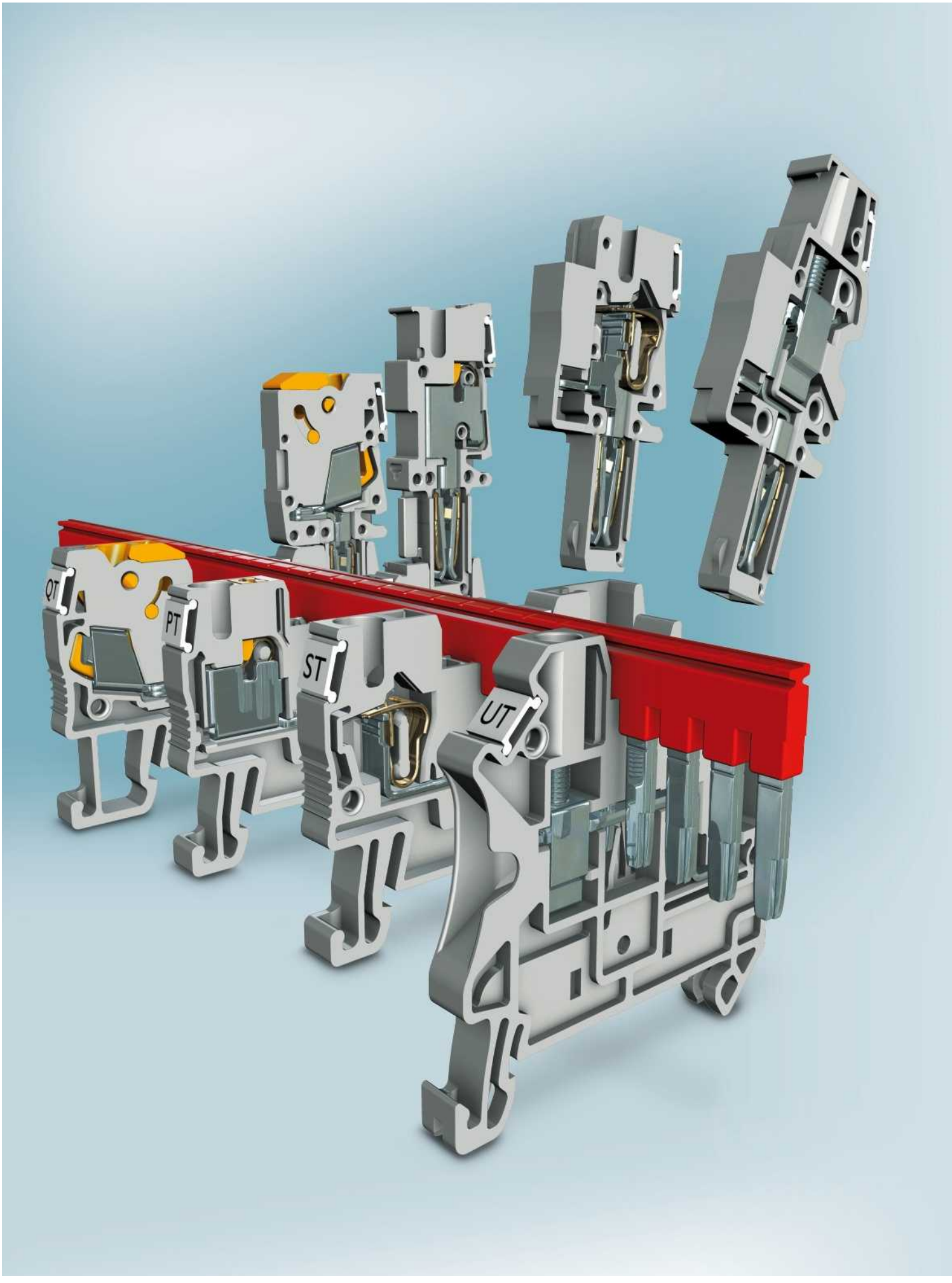
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Planning and marking software



Planning and marking software

CLIP PROJECT Page 702


QT
PT
ST
UT

CLIPLINE complete system features

With CLIPLINE complete, the unique modular terminal block system from Phoenix Contact, you can freely select the connection technology. The following connection methods are available:

– Universal UT screw connection
– Simple PT push-in connection
– Compact ST spring-cage connection
– Fast QT QUICKON connection
– COMBI plug-in connection solutions
– Robust RT bolt connection

Irrespective of which connection technology you choose, they can all be freely combined, with the same accessories, thanks to the double function shaft.

In addition to the flexibility of this modular terminal block system, CLIPLINE complete also provides added value. The bridging, marking, and test accessories are standardized and can reduce your logistics and storage costs.

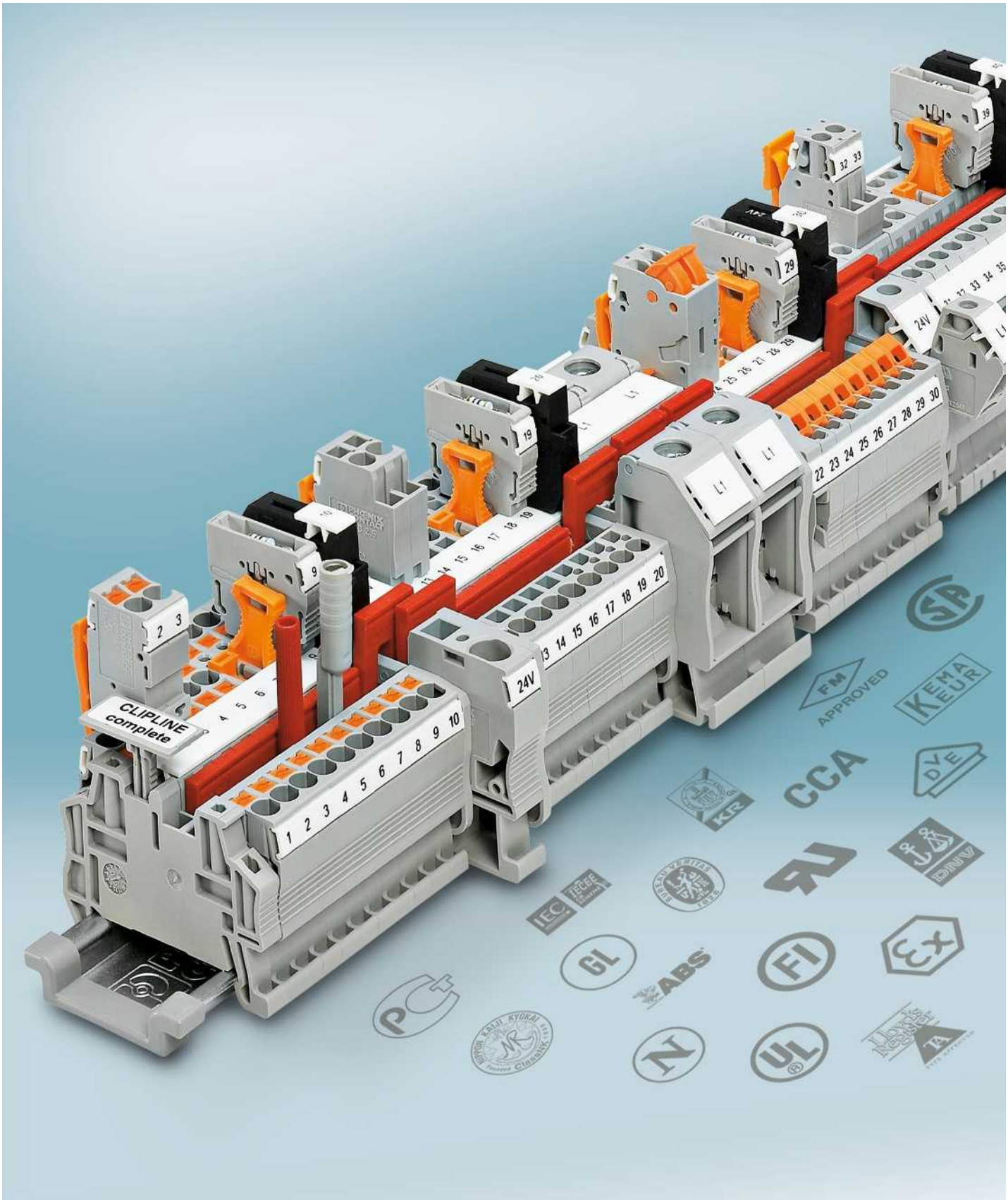
The CLIPLINE complete modular terminal block system has been tested and approved for a wide range of national and international approvals. The maximum level of safety in these standards is achieved by routine testing of the standard CLIPLINE complete modular terminal blocks according to the ATEX Directive. They can also be used in the Ex e area.

Product range overview

System features **14**

CLIPLINE complete

All connection technologies, one system



General

The CLIPLINE complete system offers you a uniform range of accessories for all connection technologies. Marking and test accessories are standardized and reduce logistics costs. In addition, all modular terminal blocks in the CLIPLINE complete system can be freely combined with each other using the double function shaft. The standardized plug-in zone of the COMBI basic terminal blocks also allows the connection of modules via individually configurable plugs, regardless of the connection technology.

CLIPLINE complete modular terminal blocks with screw, spring-cage, push-in, bolt, and plug-in connections enable you to respond flexibly to the demands of your customers anywhere in the world.

Flexible plug-in bridge system

One plug-in bridge for all connection technologies. To allow fast and individual potential distribution, the terminal blocks in the CLIPLINE complete system have two function shafts. These are arranged in one line over all the terminal blocks, allowing for a combination of connection technologies. The 2 to 50-pos. plug-in bridges make it possible to implement all the tasks of potential bridging within a very short time. Reducing bridges connect, for example, UT screw terminal blocks and ST spring-cage terminal blocks.

The plug-in switching jumpers make contact by being securely latched into the function shaft. They create a removable connection between neighboring terminal blocks.

Plug-in connection solutions

The COMBI plug-in system enables the time-saving and modular configuration of your application. Like the modular terminal blocks, the COMBI plugs are available with screw, spring-cage, push-in, and fast connection technologies.

The nominal data of up to 41 A and 1000 V has made a plug-in system for signal and power wiring possible. The system meets the most stringent of vibration requirements. Both the terminal blocks and the plugs are touch proof.

Extensive accessories from latching right up to shield connection are available.

Multifunctional disconnect zone

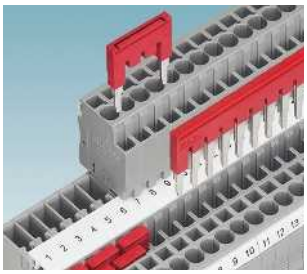
All disconnect terminal blocks in the CLIPLINE complete system have a standardized disconnect zone. Various function plugs are available for use in the disconnect terminal blocks. Isolating plugs are used for simple disconnection. The fuse plugs are designed for the use of cartridge fuse inserts. The patented component plug allows you to mount components quickly, without the risk of polarity reversal, and without the need for soldering.

Large-surface labeling

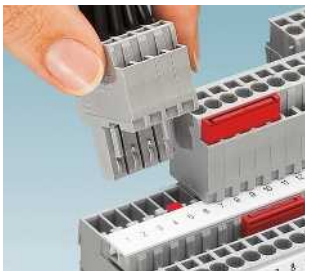
All the terminal points of the terminal blocks in the CLIPLINE complete system have large-surface labeling options. This is a precondition for clear wiring and startup and simplifies assignment during testing and maintenance work. Optional snap-on large marker carriers are available for group and terminal strip labeling.

Standardized test system

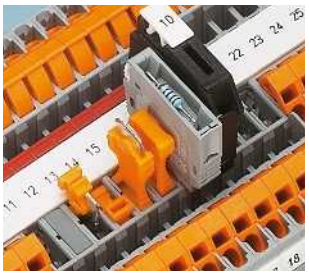
A comprehensive range of test accessories is available in the CLIPLINE complete system. All test plugs make contact in the freely accessible function shaft. A test plug with a 2.3 mm diameter is available for individual measuring lines. More complex testing tasks can be implemented using the modular test plug. The corresponding spacers can be used to assemble individual test adapters perfectly suited for use in test laboratories.



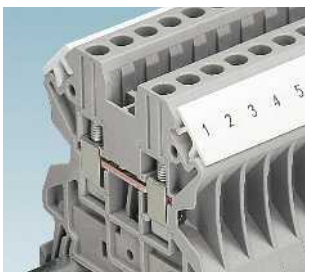
Bridging



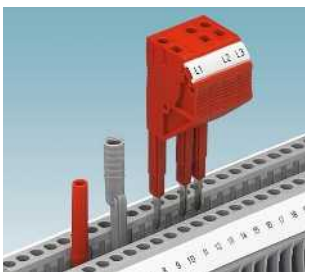
Connecting



Disconnecting

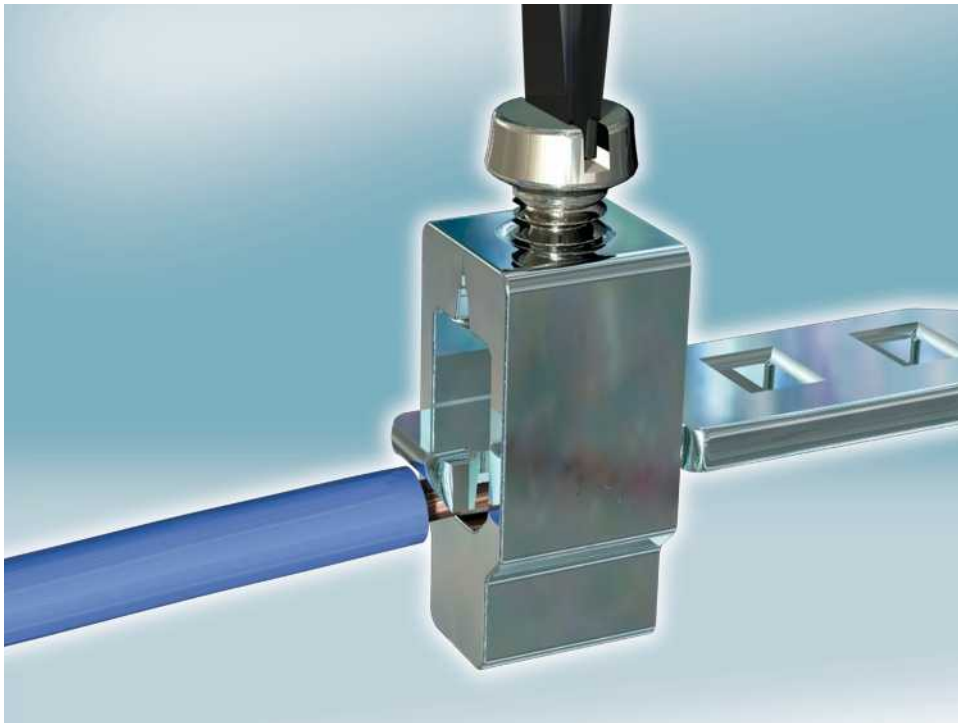


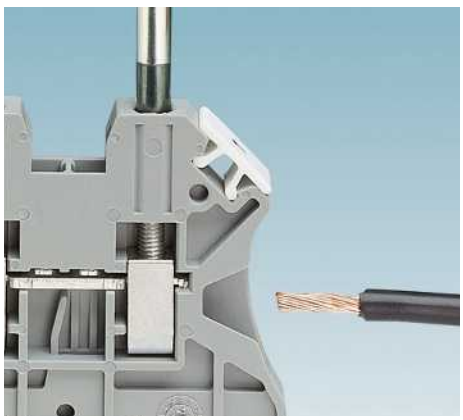
Labeling

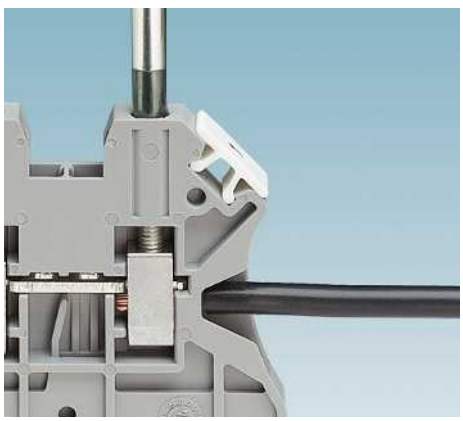


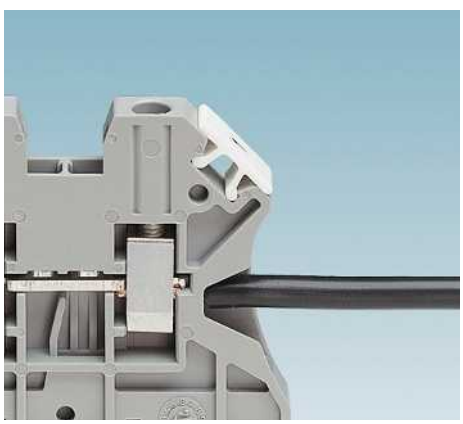
Testing

System features - screw connection









Material properties

The metal parts of the UT screw connection terminal blocks are made from high-grade, strain-crack, and corrosion-proof copper alloys as a standard feature. This eliminates the possibility of electrolytic corrosion in the presence of moisture and the risk of rusting. The consequences, such as unreliable electrical contacts and/or jammed screws, are also prevented. Another advantage is the low temperature rise due to good electrical conductivity. The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating.

The insulating housing of the UT screw connection terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics. Polyamide 6.6 can be used with operating temperatures up to 130°C and is certified for inflammability class V0 in accordance with UL 94.

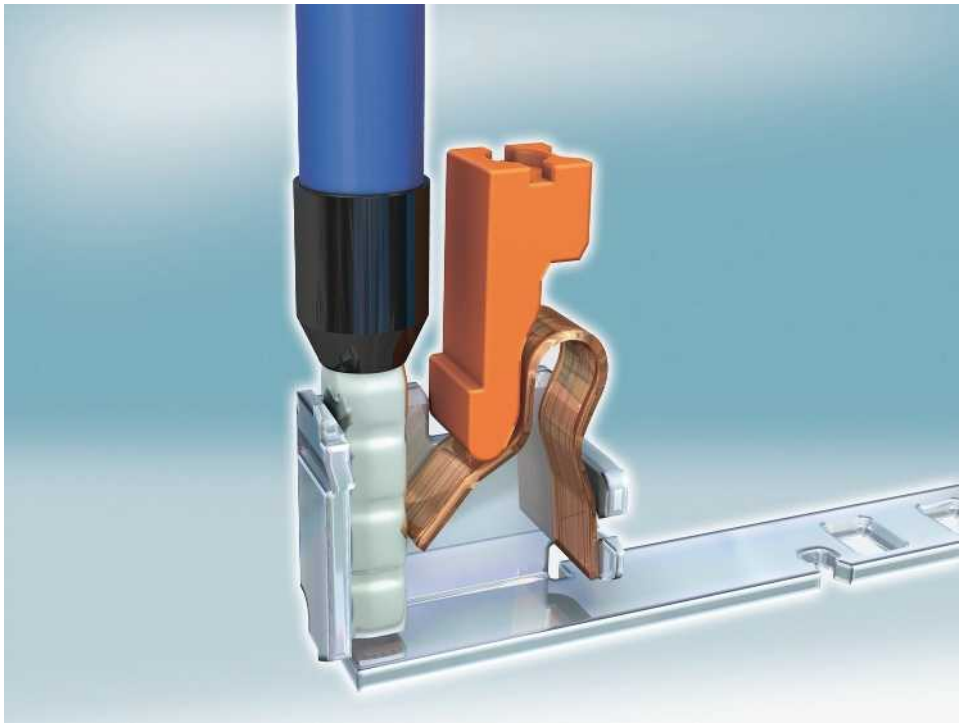
Connection principle

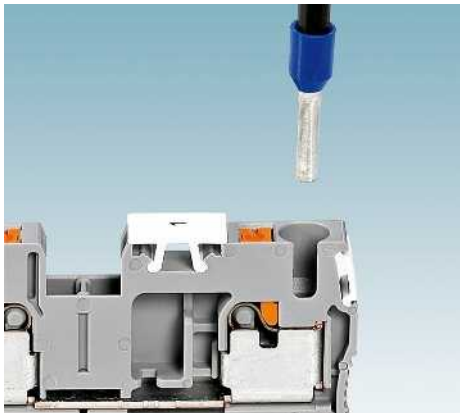
UT screw connection terminal blocks are designed for the most stringent requirements. For more than 80 years, they have proven themselves a billion times over in all applications. An important characteristic is the maintenance-free conductor connection. There is no need to tighten the terminal block screws. The screws are prevented from loosening by the Reakdyn principle, a screw locking technique developed by Phoenix Contact.

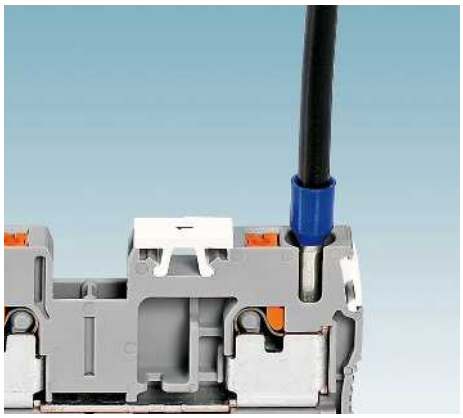
Phoenix Contact UT screw connection terminal blocks can be clamped without any pretreatment. Splicing protection can also be implemented in the form of ferrules. A special characteristic of the screw clamping body is the multi-conductor connection, which is often required.

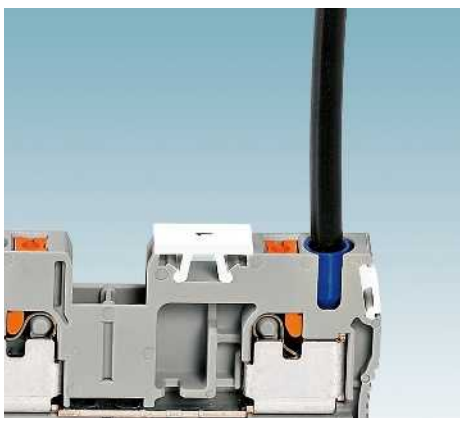
Very large conductor cross sections up to 240 mm² can also be wired gas-tight and with long-term stability thanks to the high contact forces.

System features - push-in connection









Material properties

All metal parts of the push-in terminal blocks are made from corrosion-free materials. The conductive metals are made from high-grade copper alloys. A particular advantage is the low temperature rise due to good electrical conductivity. The surface is protected by lead-free, galvanic nickel or tin plating.

The contact force for the push-in connection is applied by a leg spring made of high-strength chromium-nickel spring steel.

The insulating housing of the terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics. Polyamide 6.6 can be used with operating temperatures up to 130°C and is certified for inflammability class V0 in accordance with UL 94.

Connection principle

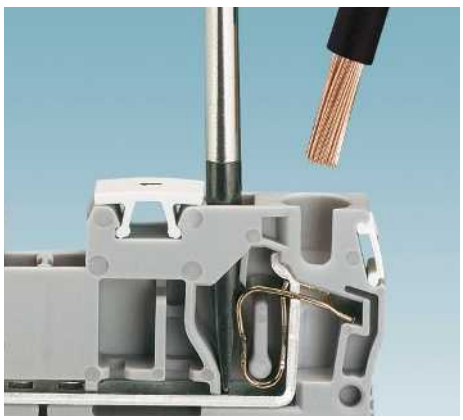
PT push-in connection terminal blocks have been developed for direct conductor connection. This means that solid conductors or conductors with ferrules can be inserted directly into the terminal block without tools.

The special spring profile enables the easy insertion of conductors with ferrules from 0.34 mm² to 95 mm². The contact spring is opened automatically when the conductor is pushed in and thereby provides the required pressure force against the current bar. Both for releasing conductors and connecting small cross sections from 0.14 mm², the spring is opened by means of the actuation lever – easily and without direct contact with live parts. The actuation lever can be operated with all standard screwdrivers.

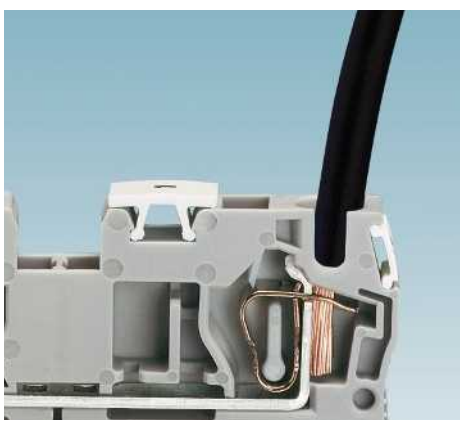
The PT connection technology has been tested and approved for a wide range of approvals. These include, for example, vibration resistance according to railway standard EN 50155 and shock and corrosion resistance according to current shipbuilding registers. It is also certified for process engineering in areas with increased safety (Ex e).

System features - spring-cage connection









Material properties

All metal parts of the spring-cage terminal blocks are made from corrosion-free materials. The conductive metals are made from high-grade copper alloys. A particular advantage is the low temperature rise due to good electrical conductivity. The surface is protected by lead-free, galvanic nickel or tin plating.

The contact force for the spring-cage connection is applied by a spring element made from high-strength chromium-nickel spring steel.

The insulating housing of the spring-cage terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics. Polyamide 6.6 can be used with operating temperatures up to 130°C and is certified for inflammability class V0 in accordance with UL 94.

Connection principle

ST spring-cage terminal blocks have been developed for universal spring-loaded conductor contacting.

The contact force is independent of the user and creates a vibration-proof, gas-tight connection with long-term stability.

The terminal point is opened with a standard screwdriver. After the conductor has been inserted into the clamping space, the screwdriver is removed and the conductor automatically makes contact. The easy operation is a result of the front connection, i.e., the conductor and screwdriver come in parallel from the same direction.

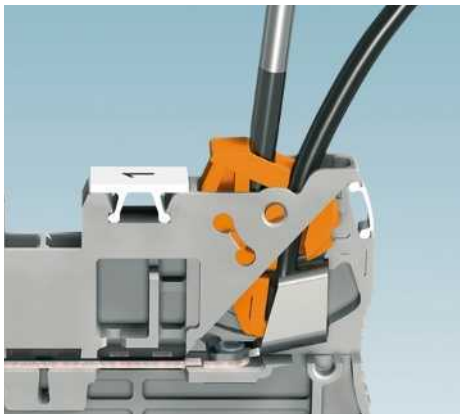
All kinds of copper conductors up to 35 mm² can be clamped without any pretreatment. Splicing protection can also be implemented in the form of ferrules.

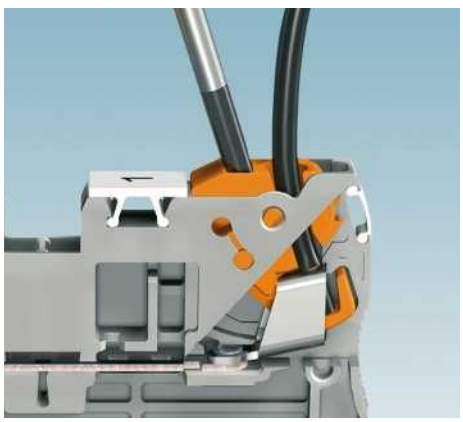
Phoenix Contact spring-cage terminal blocks offer a large insertion space, i.e., conductors with ferrules and insulating collars and with a nominal cross section can also be wired.

System features - fast connection









Material properties

The patented contact metals of the QT fast connection terminal blocks are made from a special, high-grade copper alloy. This combines good electrical conductivity with excellent elastic characteristics.

The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating.

The insulating housing of the fast connection terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics. Polyamide 6.6 can be used with operating temperatures up to 130°C and is certified for inflammability class V0 in accordance with UL 94.

Connection principle

QT QUICKON modular terminal blocks are designed for fast conductor connection. There is no need to strip or implement splicing protection; the cables simply need to be cut to length for contact to be made in a matter of seconds.

An important characteristic is the space-saving connection. Due to the simplicity of the connection, the wiring time is reduced by up to 60 percent.

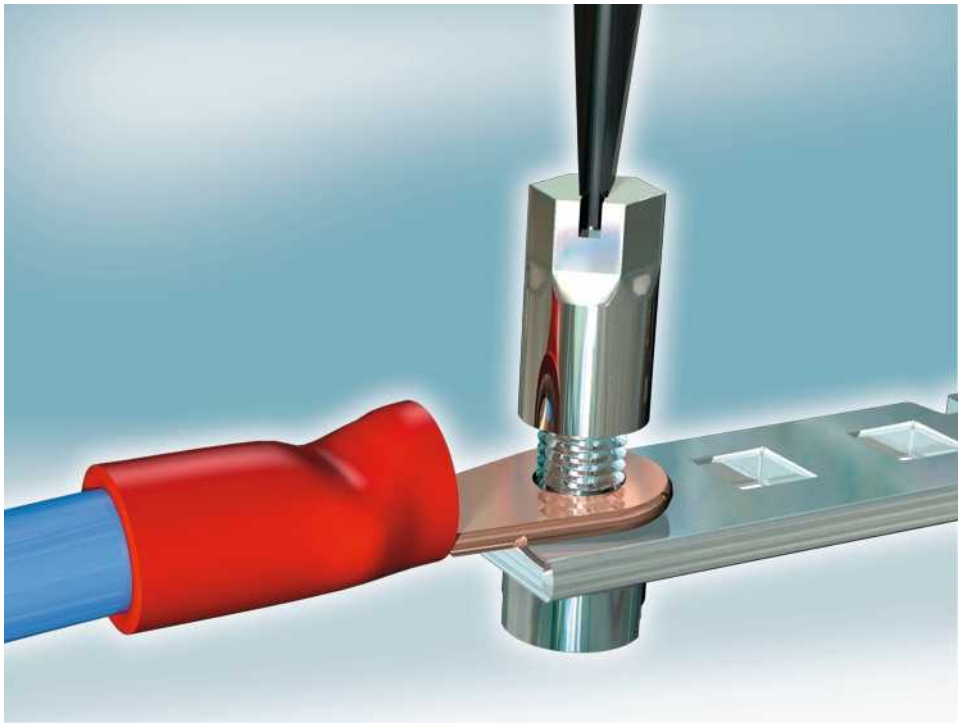
A standard screwdriver is used to operate the terminal blocks and the switching states are clearly signaled by engagement points in the start and end position.

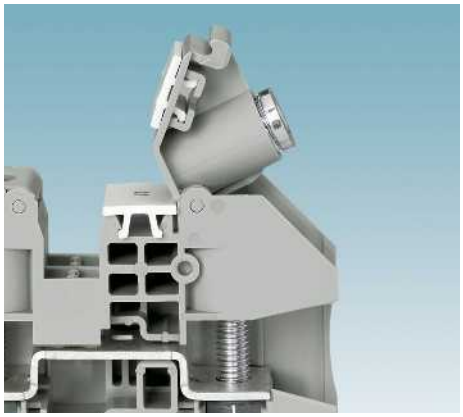
Solid and stranded conductors from 0.25 to 2.5 mm² can be wired without aids such as guide ferrules.

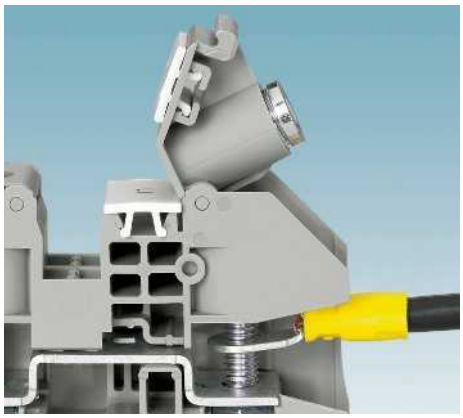
When a conductor is connected, the conductor insulation is cut open, displaced, and the conductor is securely engaged in the end position where it makes extensive, gas-tight contact.

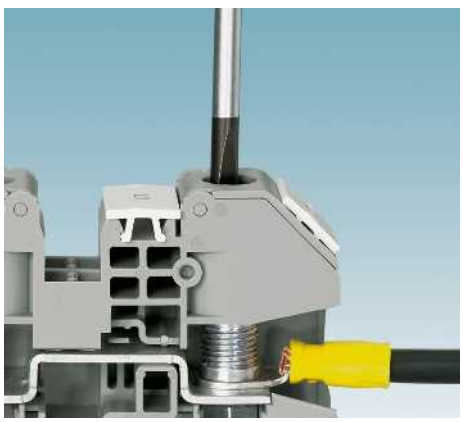
The high quality of the QUICKON fast connection is verified by the fact that this connection is certified in accordance with the standard for Ex e applications, as are the screw and spring-cage connections.

System features - bolt connection









Material properties

All metal parts of the bolt connection terminal blocks are made from corrosion-free materials. The conductive metals are made from high-grade copper alloys. Due to their good electrical conductivity, they ensure a low temperature rise. The surface is protected by lead-free, galvanic nickel or tin plating.

The insulating housing of the bolt connection terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics.

Polyamide 6.6 can be used with operating temperatures up to 130°C and is certified for inflammability class V0 in accordance with UL 94.

Connection principle

RT bolt connection terminal blocks have been developed with a robust design and offer convenient wiring for ring cable lugs.

An important characteristic is the folding wing which can be swung up and which features a captive cap nut. This ensures quick and easy ring cable lug wiring.

The integrated screw locking in the form of a spring retainer guarantees safe use, even in applications which are subject to shock and vibration.

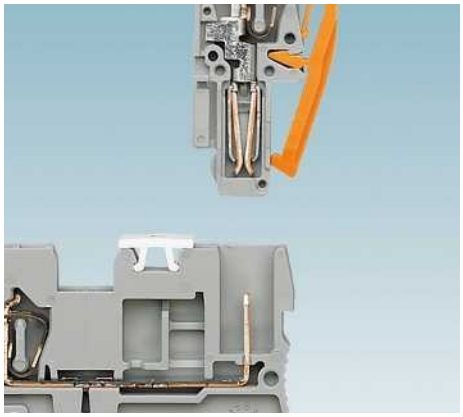
All ring cable lugs which comply with DIN 46234, DIN 46235 or DIN 46237 can be connected.

A special characteristic of the bolt connection is the often required multi-conductor connection, on which up to four cable lugs can be connected per bolt.

All kinds of conductors up to 240 mm² can be wired securely and with long-term stability.

System features - plug-in connection





Material properties

All metal parts of the COMBI plug-in connectors are made from corrosion-free materials. The distinction between the electrical and mechanical functions is a particular advantage. The conductive metals are made from high-grade copper alloys. The surface is protected by lead-free, galvanic nickel or tin plating. The high current carrying capacity of the contact is achieved by an integrated covering spring made of chromium-nickel spring steel.

The insulating housing of the COMBI plug-in connectors is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics.

Polyamide 6.6 can be used with operating temperatures up to 130°C and is certified for inflammability class V0 in accordance with UL 94.

Connection principle

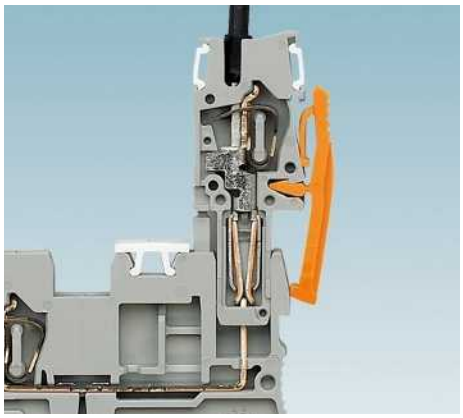
COMBI plug-in connections are designed for the most stringent universal demands in terms of plug-in capability. Here the nominal current of the connected conductor can be carried through the plug-in contact.

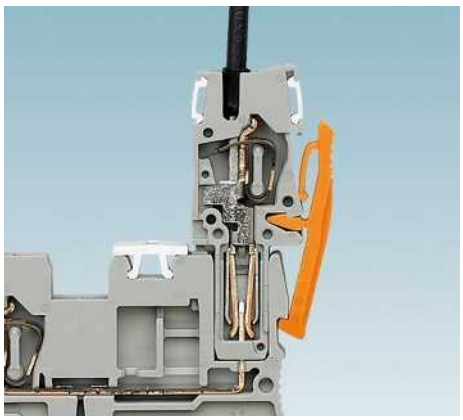
The uniform plug-in zone is an important characteristic. Plug-in connectors and basic terminal blocks with four connection technologies can be freely combined with each other, thanks to the uniform plug-in zone.

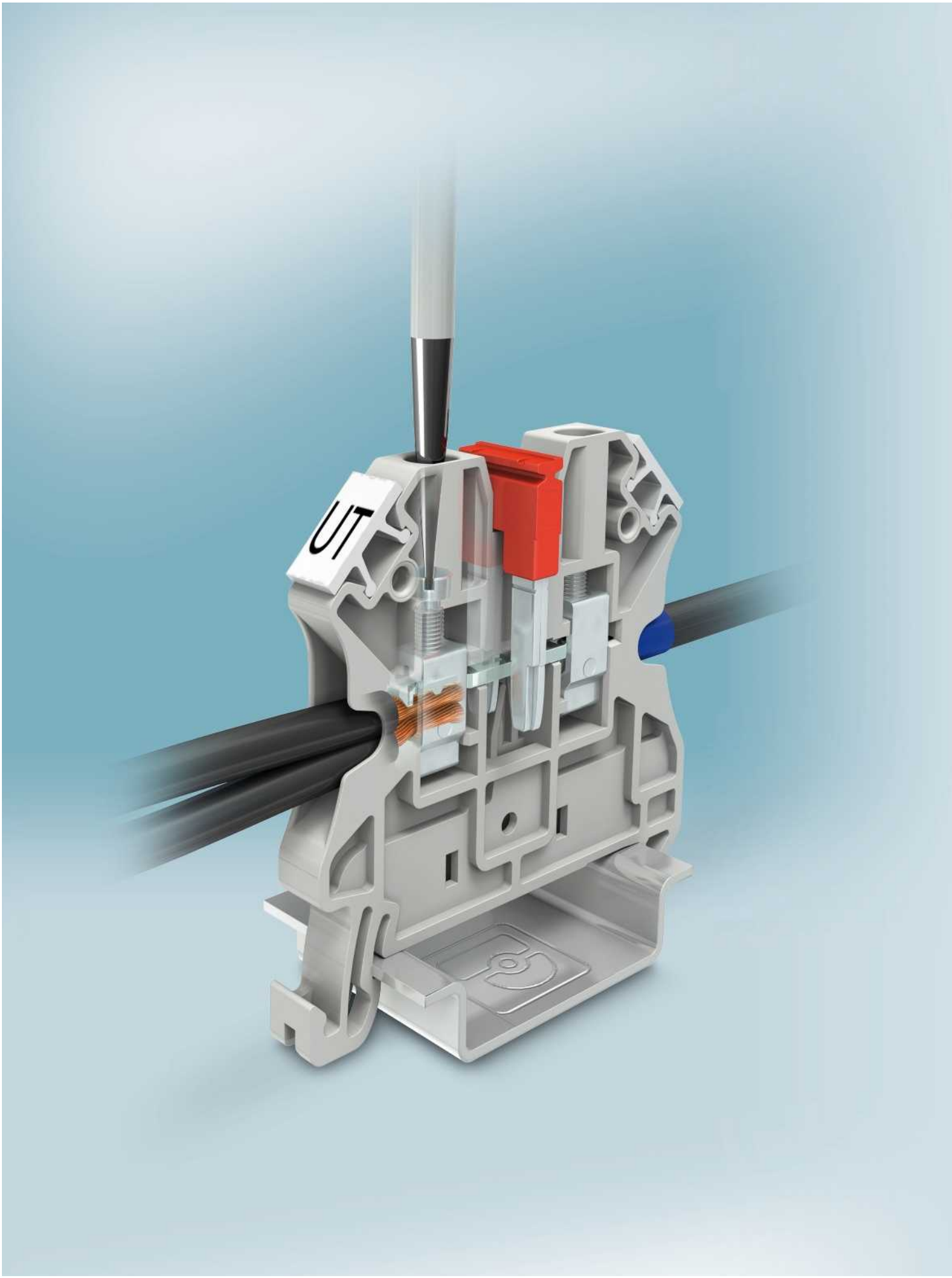
The modular structure also enables individual self-assembly of the plugs and the couplings.

All kinds of copper conductors can be connected without any pretreatment. Splicing protection can also be implemented in the form of ferrules.

COMBI plug-in connectors with all connection technologies offer a large insertion space, i.e., conductors with ferrules and insulating collars and with a nominal cross section can also be wired.






UT

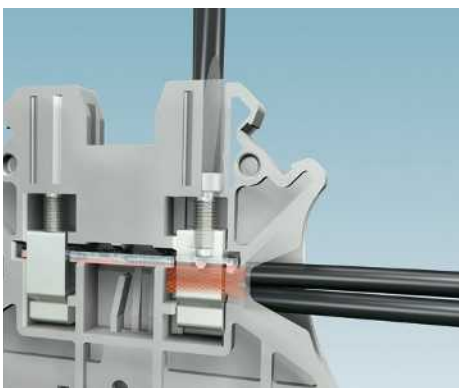
UT screw connection terminal blocks

The UT screw connection terminal blocks from the CLIPLINE complete system meet the most stringent requirements and cover a wide area of application. They impress with their maintenance-free conductor connection and offer maximum flexibility with their multi-conductor connection. You can connect conductors with a nominal cross section either with or without ferrules. It is not necessary to tighten the terminal block screws, since they are prevented from loosening by the Reakdyn principle, a screw locking technique developed by Phoenix Contact. Even the largest conductor cross sections of up to 240 mm² can be wired gas-tight and with long-term stability thanks to the high contact forces.

Product range overview

UT screw connection terminal blocks	**24**
Feed-through terminal blocks	**26**
High-current terminal blocks	**30**
High-current terminal block bases	**34**
Ground terminal blocks	**38**
Feed-through and PE terminal blocks with 3 connections	**42**
Feed-through and PE terminal blocks with 4 connections	**44**
Double-level terminal blocks	**46**
Three-level terminal blocks	**50**
Lever-type fuse and disconnect terminal blocks	**52**
Lever-type fuse and function terminal blocks with PE foot	**54**
Thermomagnetic circuit breakers	**57**
Disconnect terminal blocks for accommodating function plugs	**58**
Knife disconnect terminal blocks	**60**
Feed-through and component terminal blocks of the same shape	**62**
Double-level knife disconnect terminal blocks	**66**
Test disconnect terminal blocks	**69**
Plug-in test disconnect terminal blocks	**70**
Plug-in test disconnect terminal blocks with automatic short-circuit function	**73**
Test disconnect terminal blocks and slide-type terminal blocks	**76**
Double-level diode terminal blocks	**78**
Mini feed-through and ground terminal blocks	**80**
UTI screw connection installation terminal blocks	**82**
Installation terminal blocks	**84**
Ground terminal blocks	**85**
Installation neutral conductor disconnect terminal blocks	**86**
Three-level installation terminal blocks	**90**
L/N/PE connection terminal blocks	**94**
Neutral busbar, power/pick-off terminal blocks	**96**





Universal and zero-maintenance

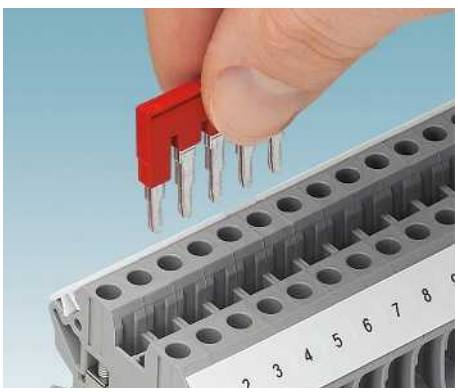
The screw connection is characterized by three main features.

– Global standard
– Multiple conductor connection
– Zero maintenance thanks to Reakdyn principle



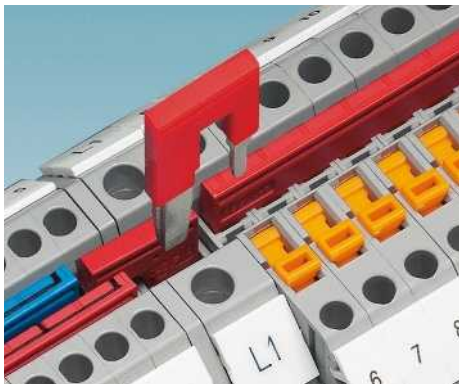
Snap-on PE foot

Ground terminal blocks of the same shape are simply snapped onto the DIN rail in order to make contact. This mechanically and electrically efficient contacting meets all the requirements of standard IEC 60947-7-2.

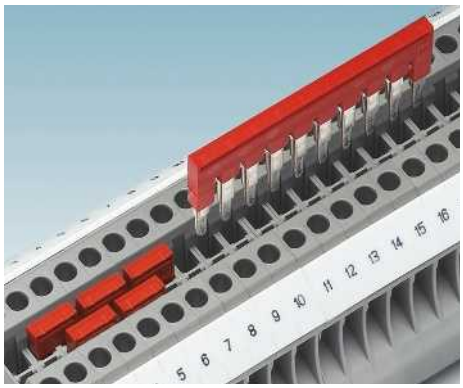


Flexible plug-in bridge system

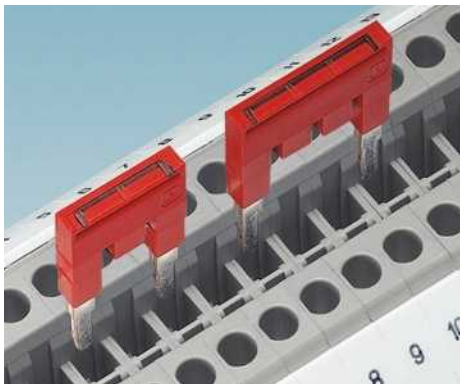
The potential distribution can be implemented at speed with the standardized plug-in bridges. Using two bridge shafts in all terminal blocks makes flexible chain, level or jumping bridges possible.



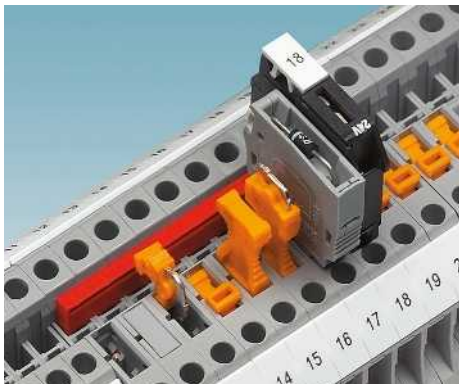
The reducing bridge enables terminal blocks with different nominal cross sections to be connected easily, e.g., a UT 10 terminal block to a UT 2,5. Power blocks can be created quickly using the reducing bridge.



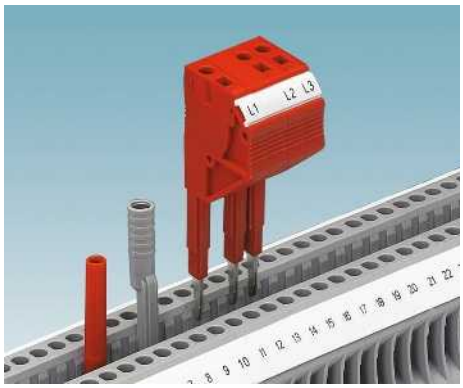
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2 to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



A jumping bridge is created by removing individual contact guides from the standard bridge. Two potentials can then be routed in parallel. The contact points can also be marked.



The P-FIX isolated feed-through connector, P-DI isolating plug, P-CO component plug, and P-FU cartridge fuse plug can be used in the universal plug-in zone of the disconnect terminal block.



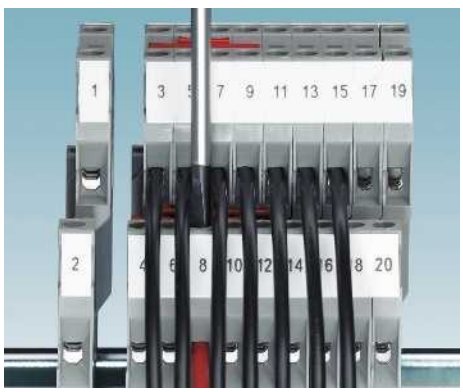
A test plug with a 2.3 mm diameter is available for measuring lines. All measurement and test work can be completed at speed using test adapters for 4 mm diameter test plugs and the modular test plugs.



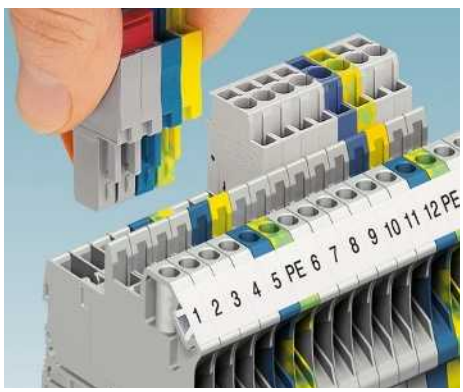
Large-surface and clear marking of the terminal points is essential for reliable and quick installation. Each terminal point in the UT series can be marked separately.



UT 4-MTD disconnect terminal blocks and feed-through terminal blocks are available in the same shape as the feed-through terminal blocks. All terminal blocks can be continuously bridged with one another with the double function shaft.



If fully wired, the level offset of the double-level terminal blocks allows the lower connection level to be accessed in full and provides a perfect view of the lower labeling markers and conductor entry funnel.



UT-COMBI terminal blocks are available for creating plug-in signal and power wiring. The system is touch proof and offers plugs for self-assembly with extensive accessories. See “COMBI” section, page 329.

UT ... feed-through terminal blocks



The UT screw terminal block series is characterized by the system features of the CLIPLINE complete system and the following features:

– Space savings thanks to compact design
– Convenient wiring in a confined space
– The large connection space enables rigid and flexible conductors to be connected without a ferrule, even if greater than the nominal cross section
– The cable entry funnel enables conductors to be used with ferrules and plastic collars within the nominal cross section
– The multi-conductor connection offers maximum flexibility and wiring density
– Optimum guidance of screwdriver through closed screw shafts
– For corresponding **torque screwdrivers,** see Catalog 5

Terminal strip service

We produce fully pre-assembled terminal strips for fitting straight into the control cabinet or switch system. This simplifies installation, saves time, and cuts costs.



Notes:

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.

[2]) The reducing bridge table should be followed, see page 476.



2.5 (4) mm², 32 A, feed-through terminal block

Ex:
KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data

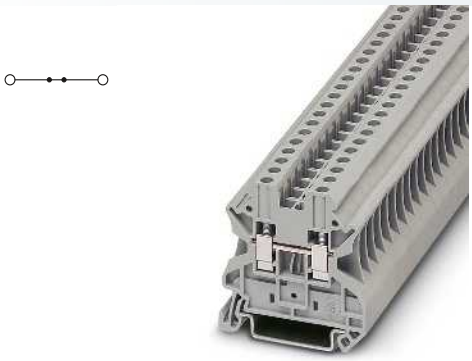
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**47.7**	**47.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG
		32	**1000**	**0.14 - 4** **26 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	Ex IEC/ EN 60079-7
Rated voltage	[V]	1000	600	600	690
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	22 / 2.5 // 28 / 4
Rated cross section	[mm²]	2.5	-	-	2.5
Cross section range	AWG	26 - 12	26-12	26-12	26 - 12
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**UT 2,5**		**3044076**	50
		blue	**UT 2,5 BU**		**3044089**	50
		orange	**UT 2,5 OG**		**3045046**	50
		red	**UT 2,5 RD**		**3045062**	50
		black	**UT 2,5 BK**		**3045088**	50

Accessories[1])

Pick-off terminal block, for snapping into the lateral guide		gray				
Cover, width 2.2 mm		gray	**D-UT 2,5/10**		**3047028**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Reducing bridge[2])						
	2	red				
Reducing bridge[2])						
	2	red				
Partition plate, 2 mm width		gray	**ATP-UT**		**3047167**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Warning label, for UT series		yellow	**WS UT 2,5**		**3047923**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			



4 (6) mm², 41 A, feed-through terminal block

Ex:
KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**47.7**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**1000**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	600	690
32 / 4	30 / -	30 / -	30 / 4 // 38 / 6
4	-	-	4
26 - 10	26-10	26-10	26 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

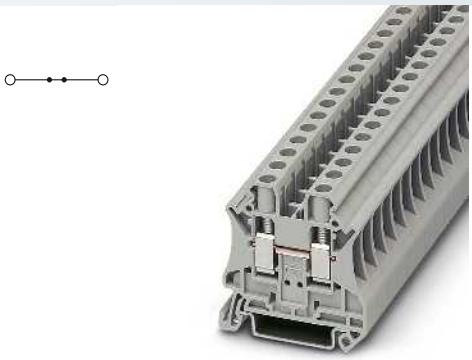
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4		**3044102**	50
UT 4 BU		**3044115**	50
UT 4 OG		**3045101**	50
UT 4 RD		**3045127**	50
UT 4 BK		**3045143**	50

Accessories[1])

D-UT 2,5/10		**3047028**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT		**3047167**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)



6 (10) mm², 57 A, feed-through terminal block

Ex:
KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data

Width	Length	Height NS 35/7,5	
8.2	**47.7**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57	**1000**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	600	690
41 / 6	50 / -	50 / -	40 / 6 // 50 / 10
6	-	-	6
24 - 8	24-8	24-8	24 - 8
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

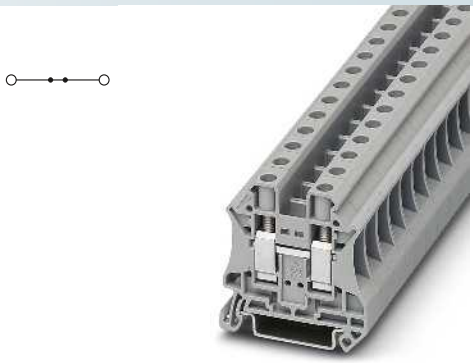
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 6		**3044131**	50
UT 6 BU		**3044144**	50
UT 6 OG		**3045169**	50
UT 6 RD		**3045185**	50
UT 6 BK		**3045208**	50

Accessories[1])

D-UT 2,5/10		**3047028**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
RB UT 6-(2,5/4)		**3047251**	10
RB UT 6-ST(2,5/4)		**3047264**	10
ATP-UT		**3047167**	50
PAI-4-N GY		**3032871**	10
PS-8		**3031005**	10
WS UT 6		**3047345**	10
SZS 1,0X4,0 VDE		**1205066**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)



10 (16) mm², 76 A, feed-through terminal block

Ex:
KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data

Width	Length	Height NS 35/7,5	
10.2	**47.7**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
76	**1000**	**0.5 - 16**	**20 - 6**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	600	690
57 / 10	65 / -	65 / -	54 / 10 // 69 / 16
10	-	-	10
20 - 6	20-6	20-6	20 - 6
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 2.5	-
			0.5 - 6
10			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 10		**3044160**	50
UT 10 BU		**3044188**	50
UT 10 OG		**3046281**	50
UT 10 RD		**3046304**	50
UT 10 BK		**3046320**	50

Accessories[1])

AGK 4-UT 10		**3047112**	50
D-UT 2,5/10		**3047028**	50
FBS 2-10	57 A	**3005947**	10
RB UT 10-(2,5/4)		**3047060**	10
RB UT 10-ST(2,5/4)		**3047086**	10
ATP-UT		**3047167**	50
WS UT 10		**3047361**	10
SZS 1,0X4,0 VDE		**1205066**	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

UT ... feed-through terminal blocks

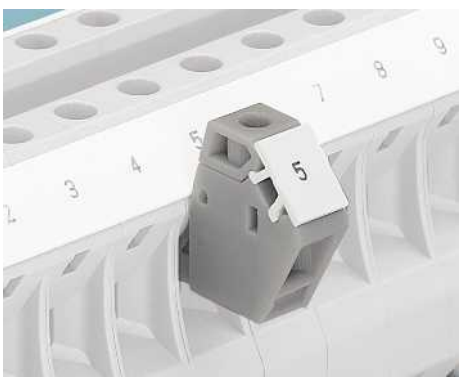


The continuous dual function shaft enables the standard bridge and test function as well as:

– The simple and time-saving potential infeed and distribution of large currents and cross sections up to 35 mm² with reducing bridges
– The reducing bridges can be used to connect terminal blocks with different connection technologies, e.g., UT 35 screw terminal block to PT 2,5 push-in terminal blocks, in order to form power blocks
– The flexible options for reducing bridging in the CLIPLINE complete system can be found in the "Accessories" section

AGK 4-UT... pick-off terminal blocks

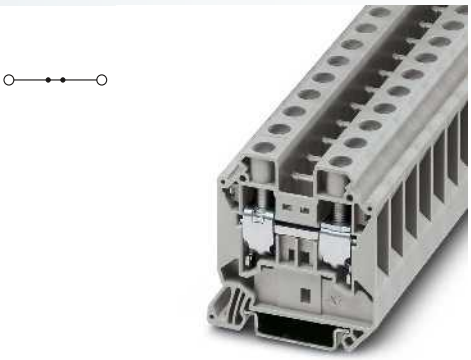
– The fully insulated pick-off terminal block (optional use) permits a voltage pick-off up to a nominal voltage of 1000 V (4 mm²)
– Large area for labeling



Notes:

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.

[2]) The reducing bridge table should be followed, see page 476.



16 (25) mm², 101 A, feed-through terminal block

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data

Dimensions			
Width	Length	Height NS 35/7,5	
12.2	**55.5**	**55**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
101	**1000**	**1.5 - 25**	**16 - 4**
Rated data	IEC 60947-7-1		Ex
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	1000	600	600	690
Nominal current / cross section [A] / [mm²]	76 / 16	85 / -	85 / -	73.5 / 16 // 89.5 / 25
Rated cross section [mm²]	16	-	-	16
Cross section range AWG	16 - 4	16-4	16-4	16 - 4
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	1.5 - 25	1.5 - 25	1 - 16	1 - 16
Two conductors (of the same type) [mm²]	1 - 6	1 - 6	1 - 6	-
Two stranded conductors with a TWIN ferrule [mm²]				0.75 - 10
General data				
Stripping length [mm]	14			
Screw thread	M5			
Tightening torque [Nm]	2.5 - 3			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**UT 16**		**3044199**	50
		blue	**UT 16 BU**		**3044209**	50

Accessories[1])

Pick-off terminal block, for snapping into the lateral guide		gray	**AGK 4-UT 16**		**3047125**	50
Cover, width 2.2 mm		gray	**D-UT 16**		**3047206**	50
Plug-in bridge	2	red	**FBS 2-12**	76 A	**3005950**	10
Reducing bridge[2])	2	red	**RB UT 16-(2,5/4)**		**3047073**	10
	2	red				
Reducing bridge[2])	2	red	**RB UT 16-ST(2,5/4)**		**3047099**	10
Warning label, for UT series		yellow	**WS UT 16**		**3047374**	10
Screwdriver			**SZS 1,0X6,5 VDE**		**1205079**	10
Lateral groove labeling			**UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)**			



35 (50) mm², 150 A, feed-through terminal block

Ex:
KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data

Width	Length	Height NS 35/7,5	
16	**60.2**	**65.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
150	**1000**	**1.5 - 50**	**16 - 1/0**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	600	690
125 / 35	150 / -	150 / -	126 / 35 // 129 / 50
35	-	-	35
16 - 1/0	14-1/0	14-1/0	16 - 1/0
solid	stranded	Ferrule Without / with plastic sleeve	
1.5 - 50	1.5 - 50	1.5 - 35	1.5 - 35
1.5 - 16	1.5 - 10	1.5 - 10	- 1.5 - 16
18			
M6			
3.2 - 3.7			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 35		**3044225**	50
UT 35 BU		**3044238**	50

Accessories[1])

AGK 4-UT 35		**3047138**	50
FBS 2-16	101 A	**3005963**	10
RB UT 35-(2,5/4)		**3047277**	10
RB 35-16		**3032169**	10
RB UT 35-ST(2,5/4)		**3047280**	10
WS UT 35		**3047387**	10
SZS 1,0X6,5 VDE		**1205079**	10

UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 5)

UKH ... high-current terminal blocks

– Bolt connection - bolt connection
See page 464



The compact universal high-current terminal blocks are available for up to 240 mm² and 415 A and ground terminal blocks of the same shape up to 95 mm².

The reliable cable connection is ensured through highly effective measures:
– Three-point centering of conductor in prismatic sleeve base
– Low transitional resistance levels of contact surface through use of striation
– Screws secured through use of spring-loaded elements in terminal block body
– The UKH ... EP insertion profile is provided for a secure strip conductor connection
– The fully-insulated pick-off terminal block (optional use) permits a voltage pick-off up to a nominal voltage of 1000 V (10 mm²)
– Large area for labeling

High-current connector with bolt connection

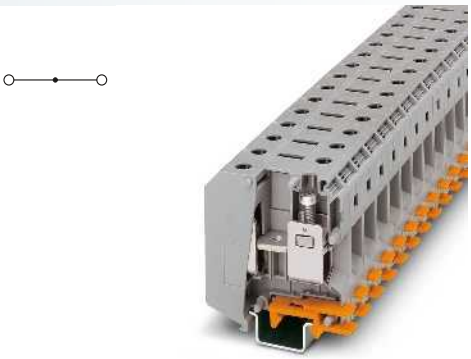
The UHV ... high-current plug-in connectors also cover the cross section range up to 240 mm² and 415 A. The following version combinations are available:
– Screw connection - screw connection
– Screw connection - bolt connection



Notes:

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.

[2]) See page 466.



50 (70) mm², 150 A, feed-through terminal block

CCA
Ex:
KEMA 98ATEX1786U / IECEx KEM 06.0029U

Technical data

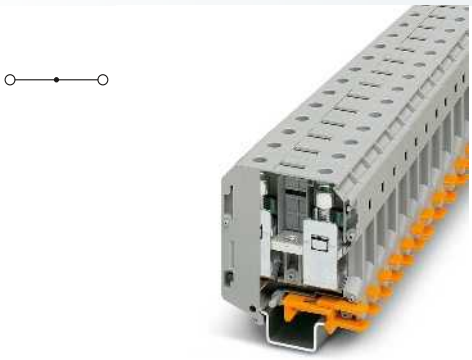
Dimensions				
	[mm]	Width	Length	Height NS 35/15
		20	**75.5**	**83.5**
Dimensions		Width	Length	Height NS 32
	[mm]	**20**	**75.5**	**81.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		150	**1000**	**16 - 70** / **6 - 2/0**
Rated data		IEC 60947-7-1		Ex
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	1000	600	600 / 690
Nominal current / cross section	[A] / [mm²]	150 / 50	150 / -	150 / - / 137
Rated cross section	[mm²]	50	-	- / 50
Cross section range	AWG	6 - 2/0	6-1/0	6-1/0 / 6 - 2/0
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	16 - 70	25 - 70	25 - 50 / 25 - 50
Two conductors (of the same type)	[mm²]	10 - 16	10 - 16	10 - 16 / -
Max. cross section with insertion bridge	[mm²]			
General data				
Stripping length	[mm]	24		
Screw thread		M6		
Tightening torque	[Nm]	6 - 8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

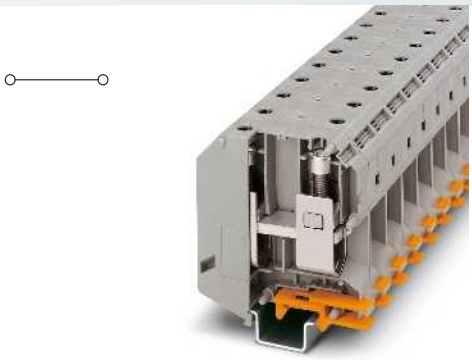
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32, NS 35/15 or NS 35/15-2,3		gray	**UKH 50**		**3009118**	10
		blue	**UKH 50 BU**		**3009105**	10

Accessories[1])

Pick-off terminal block, for snapping into the lateral guide		gray	**AGK 10-UKH 50**	57 A	**3001763**	10
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, first remove partition plate						
	2	silver	**FBI 2-20**	150 A	**0201346**	10
	3	silver	**FBI 3-20**	150 A	**0201317**	10
Insertion bridge, fully insulated, is laid into terminal sleeve and snapped into the terminal housing						
	2	gray				
	3	gray				
Insertion profile, levels out the prism-shaped sleeve when using flat-ribbon conductors[2])		silver	**UKH 50 EP**		**3009228**	10
Aluminium end bracket, for screwing on, for end support for the UKH 50 - UKH 240, can be labeled with ZB 10, for mounting on NS 32...		silver	**E/AL-NS 32**		**1201659**	10
Aluminum end bracket, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be labeled with ZB 10, for mounting on NS 35...		silver	**E/AL-NS 35**		**1201662**	10
Allen wrench, fully insulated, safety tool in accordance with EN 60900, length: 150 mm, handle width: 110 mm						
Screwdriver			**SZS 1,2X8,0 VDE**		**1205082**	10
Lateral groove labeling			**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)**			



70 (95) mm², 192 A, feed-through terminal block



95 (95) mm², 232 A, feed-through terminal block

CCA

Ex:

KEMA 98ATEX1786U / IECEx KEM 06.0029U

Technical data

Width	Length	Height NS 35/15	
20.3	**70.5**	**87.5**	
Width	Length	Height NS 32	
20.3	**70.5**	**85.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
192	**1000**	**16 - 95**	**4 - 3/0**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	1000	1000	-
192 / 70	192 / -	192 / -	-
70	-	-	-
4 - 3/0	6-3/0	6-3/0	-
solid	stranded	Ferrule	Without / with plastic sleeve
16 - 95	25 - 70	16 - 70	16 - 70
16 - 25	16 - 25	16 - 25	-
24			
M8			
8 - 10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKH 70		**3213140**	10
UKH 70 BU		**3244601**	10

Accessories[1])

AGK 10-UKH 50	57 A	**3001763**	10
FBI 2-20 N	192 A	**3213195**	10
FBI 3-20 N	192 A	**3213205**	10
UKH 50 EP		**3009228**	10
E/AL-NS 32		**1201659**	10
E/AL-NS 35		**1201662**	10
VDE-ISS 6		**1201934**	1

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

Technical data

Width	Length	Height NS 35/15	
25	**83**	**97.5**	
Width	Length	Height NS 32	
25	**83**	**95.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
232	**1000**	**25 - 95**	**4 - 3/0**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	600	880
232 / 95	230 / -	200 / -	216 / 95 // 216 / 95
95	-	-	95
4 - 3/0	2-4/0	2-4/0	4 - 3/0
solid	stranded	Ferrule	Without / with plastic sleeve
25 - 95	35 - 95	35 - 95	35 - 95
25 - 35	25 - 35	16 - 35	-
95	70		
33			
M8			
15 - 20			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKH 95		**3010013**	10
UKH 95 BU		**3010136**	10

Accessories[1])

AGK 10-UKH 95	57 A	**3003541**	10
EB 2-25/UKH	232 A	**0201362**	10
EB 3-25/UKH	232 A	**0201375**	10
UKH 95 EP		**3009231**	10
E/AL-NS 32		**1201659**	10
E/AL-NS 35		**1201662**	10
VDE-ISS 6		**1201934**	1

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

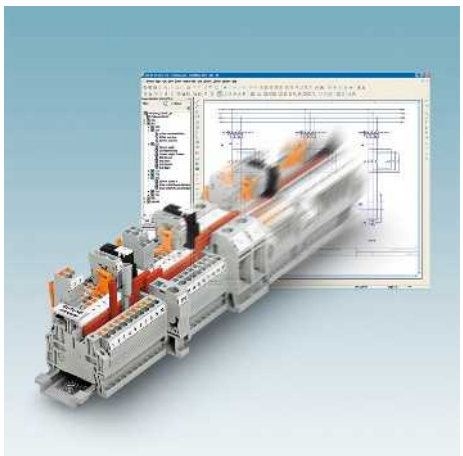
UKH ... high-current terminal blocks



AGK 10-UKH... pick-off terminal blocks

– The fully-insulated pick-off terminal block (optional use) permits a voltage pick-off up to a nominal voltage of 1000 V (10 mm²)
– Large area for labeling

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



Notes:

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.

[2]) See page 466.



150 (150) mm², 309 A, feed-through terminal block

Ex: KEMA 99ATEX8332 U / IECEx KEM 06.0030U

Technical data

Dimensions	Width	Length	Height NS 35/15	
[mm]	**31**	**100**	**118.5**	
Dimensions	Width	Length	Height NS 32	
[mm]	**31**	**100**	**116**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	309	**1000**	**35 - 150**	**2 - 300 kcmil**

Rated data		IEC 60947-7-1			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	600	1100
Nominal current / cross section	[A] / [mm²]	309 / 150	285 / -	275 / -	256 / 150 // 256 / 150
Rated cross section	[mm²]	150	-	-	150
Cross section range	AWG	2 - 300 kcmil	2-300	2-300	2 - 300 kcmil
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	35 - 150	50 - 150	50 - 150	50 - 150
Two conductors (of the same type)	[mm²]	25 - 50	35 - 50	25 - 50	-
Max. cross section with insertion bridge	[mm²]	150	120		
General data					
Stripping length	[mm]	40			
Screw thread		M10			
Tightening torque	[Nm]	25 - 30			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32, NS 35/15 or NS 35/15-2,3		gray	**UKH 150**		**3010110**	10
		blue	**UKH 150 BU**		**3010123**	10

Accessories[1])

Pick-off terminal block, for snapping into the lateral guide		gray	**AGK 10-UKH 150/240**	57 A	**3003554**	10
Insertion bridge, fully insulated, is laid into terminal sleeve and snapped into the terminal housing						
	2	gray	**EB 2-31/UKH**	232 A	**0201388**	10
	3	gray	**EB 3-31/UKH**	232 A	**0201391**	10
Insertion profile, levels out the prism-shaped sleeve when using flat-ribbon conductors[2])			**UKH 150/240 EP**		**3009244**	10
Aluminium end bracket, for screwing on, for end support for the UKH 50 - UKH 240, can be labeled with ZB 10, for mounting on NS 32...		silver	**E/AL-NS 32**		**1201659**	10
Aluminum end bracket, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be labeled with ZB 10, for mounting on NS 35...		silver	**E/AL-NS 35**		**1201662**	10
Allen wrench, fully insulated, safety tool in accordance with EN 60900, length: 150 mm, handle width: 110 mm			**VDE-ISS 8**		**1201947**	1
Lateral groove labeling			**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)**			



240 (240) mm², 415 A, feed-through terminal block

Ex:
KEMA 99ATEX8332 U / IECEx KEM 06.0030U

Technical data

Width	Length	Height NS 35/15	
36	**100**	**131.5**	
Width	Length	Height NS 32	
36	**100**	**129.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
415	**1000**	**70 - 240**	**2/0 - 500 kcmil**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	600	1100
415 / 240	380 / -	400 / -	350 / 240 // 350 / 240
240	-	-	240
2/0 - 500 kcmil	2/0-500	1/0-500	2/0 - 500 kcmil
solid	stranded	Ferrule Without / with plastic sleeve	
70 - 240	70 - 240	70 - 185	70 - 185
35 - 95	50 - 95	35 - 50	-
240	185		
40			
M10			
25 - 30			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKH 240		**3010217**	10
UKH 240 BU		**0711852**	10

Accessories[1])

AGK 10-UKH 150/240	57 A	**3003554**	10
EB 2-36/UKH	320 A	**0201401**	10
EB 3-36/UKH	320 A	**0201414**	10
UKH 150/240 EP		**3009244**	10
E/AL-NS 32		**1201659**	10
E/AL-NS 35		**1201662**	10
VDE-ISS 8		**1201947**	1

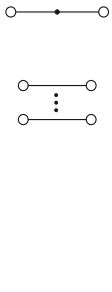
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

UKH ...3L... high-current terminal block bases for DIN rail mounting

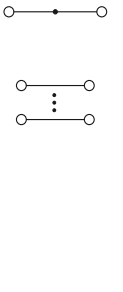
– Terminal blocks and bases for up to 415 A with a space-saving design for DIN rail mounting
– The fully-insulated pick-off terminal block (optional use) permits a voltage pick-off up to a nominal voltage of 1000 V (10 mm²)

Notes:

[1]) See page 466.



50 (70) mm², 150 A, terminal block base



70 (95) mm², 192 A, terminal block base

Technical data

Dimensions	Width	Length	Height NS 35/15	
[mm]	**60**	**75.5**	**83.5**	
Dimensions	Width	Length	Height NS 32	
[mm]	**60**	**75.5**	**81.5**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	150	**1000**	**16 - 70**	**6 - 2/0**

Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	150 / 50	- / -	-	-
Rated cross section	[mm²]	50	-	-	-
Cross section range	AWG	6 - 2/0	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	16 - 70	25 - 70	25 - 50	25 - 50
Two conductors (of the same type)	[mm²]	10 - 16	10 - 16	10 - 16	-
Max. cross section with insertion bridge	[mm²]				
General data					
Stripping length	[mm]	24			
Screw thread		M6			
Tightening torque	[Nm]	6 - 8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32, NS 35/15 or NS 35/15-2,3		gray	**UKH 50-3L**	**3076634**	3
Terminal block base, four feed-through terminal blocks, 3 x gray, 1 x blue		gray/blue	**UKH 50-3L/N**	**3076635**	2
Terminal block base, four feed-through terminal blocks, 3 x gray, 1 x black-yellow		gray/black-yellow	**UKH 50-3L/FE**	**3076636**	2
Terminal block base, five feed-through terminal blocks, 3 x gray, 1 x blue, 1 x black-yellow		gray/blue/ black-yellow	**UKH 50-3L/N/FE**	**3076637**	2

Accessories

Pick-off terminal block, for snapping into the lateral guide		gray	**AGK 10-UKH 50**	**3001763**	10
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, first remove partition plate					
	2	silver	**FBI 2-20**	**0201346**	10
	3	silver	**FBI 3-20**	**0201317**	10
Insertion bridge, fully insulated, is laid into terminal sleeve and snapped into the terminal housing					
	2	gray			
	3	gray			
Insertion profile, levels out the prism-shaped sleeve when using flat-ribbon conductors[1])		silver	**UKH 50 EP**	**3009228**	10
Screwdriver			**SZS 1,2X8,0 VDE**	**1205082**	10
Allen wrench, fully insulated, safety tool in accordance with EN 60900, length: 150 mm, handle width: 110 mm					
Lateral groove labeling			**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)**		

Technical data

Dimensions	Width	Length	Height NS 35/15	
[mm]	**60.9**	**70.5**	**87.5**	
Dimensions	Width	Length	Height NS 32	
[mm]	**60.9**	**70.5**	**85.5**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	192	**1000**	**16 - 95**	**4 - 3/0**

Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	192 / 70	- / -	-	-
Rated cross section	[mm²]	70	-	-	-
Cross section range	AWG	4 - 3/0	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	16 - 95	25 - 70	16 - 70	16 - 70
Two conductors (of the same type)	[mm²]	16 - 25	16 - 25	16 - 25	-
Max. cross section with insertion bridge	[mm²]				
General data					
Stripping length	[mm]	24			
Screw thread		M8			
Tightening torque	[Nm]	8 - 10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

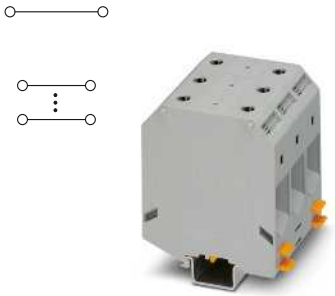
Ordering data

Type	Order No.	Pcs. / Pkt.
UKH 70-3L	**3076329**	4
UKH 70-3L/N	**3076361**	3
UKH 70-3L/FE	**3076400**	3
UKH 70-3L/N/FE	**3076442**	2

Accessories

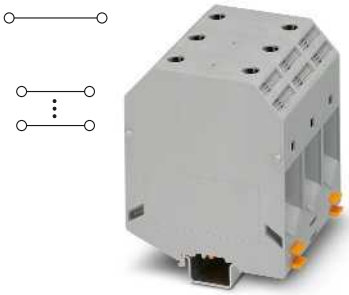
AGK 10-UKH 50	**3001763**	10
FBI 2-20 N	**3213195**	10
FBI 3-20 N	**3213205**	10
UKH 50 EP	**3009228**	10
VDE-ISS 6	**1201934**	1
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)		

N



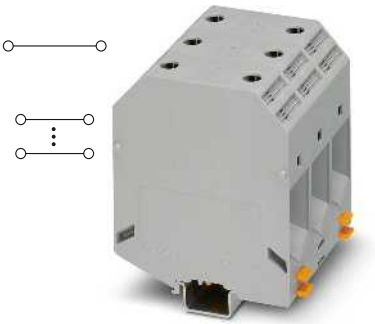
95 (95) mm², 232 A, terminal block base

N



150 (150) mm², 309 A, terminal block base

N



240 (240) mm², 415 A, terminal block base

Technical data

Width	Length	Height NS 35/15	
75	**82.8**	**97.5**	
Width	Length	Height NS 32	
75	**82.8**	**95.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
232	**1000**	**25 - 95**	**4 - 3/0**

IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
232 / 95	230 / -	-	-
95	-	-	-
4 - 3/0	2-4/0	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
25 - 95	35 - 95	35 - 95	35 - 95
25 - 35	25 - 35	16 - 35	-
95	70		
33			
M8			
15 - 20			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UKH 95-3L	**3076332**	3
UKH 95-3L/N	**3076374**	2
UKH 95-3L/FE	**3076413**	2
UKH 95-3L/N/FE	**3076455**	2

Accessories

AGK 10-UKH 95	**3003541**	10
EB 2-25/UKH	**0201362**	10
EB 3-25/UKH	**0201375**	10
UKH 95 EP	**3009231**	10
VDE-ISS 6	**1201934**	1

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

Technical data

Width	Length	Height NS 35/15	
93	**100**	**118.5**	
Width	Length	Height NS 32	
93	**100**	**116**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
309	**1000**	**35 - 150**	**2 - 300 kcmil**

IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
309 / 150	285 / -	-	-
150	-	-	-
2 - 300 kcmil	2-300	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
35 - 150	50 - 150	50 - 150	50 - 150
25 - 50	35 - 50	25 - 50	-
150	120		
40			
M10			
25 - 30			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UKH 150-3L	**3076345**	3
UKH 150-3L/N	**3076387**	2
UKH 150-3L/FE	**3076426**	2
UKH 150-3L/N/FE	**3076468**	2

Accessories

AGK 10-UKH 150/240	**3003554**	10
EB 2-31/UKH	**0201388**	10
EB 3-31/UKH	**0201391**	10
UKH 150/240 EP	**3009244**	10
VDE-ISS 8	**1201947**	1

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

Technical data

Width	Length	Height NS 35/15	
108	**100**	**131.5**	
Width	Length	Height NS 32	
108	**100**	**129.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
415	**1000**	**70 - 240**	**2/0 - 500 kcmil**

IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
415 / 240	380 / -	-	-
240	-	-	-
2/0 - 500 kcmil	2/0-500	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
70 - 240	70 - 240	70 - 185	70 - 185
35 - 95	50 - 95	35 - 50	-
240	185		
40			
M10			
25 - 30			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UKH 240-3L	**3076358**	3
UKH 240-3L/N	**3076390**	2
UKH 240-3L/FE	**3076439**	2
UKH 240-3L/N/FE	**3076471**	2

Accessories

AGK 10-UKH 150/240	**3003554**	10
EB 2-36/UKH	**0201401**	10
EB 3-36/UKH	**0201414**	10
UKH 150/240 EP	**3009244**	10
VDE-ISS 8	**1201947**	1

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

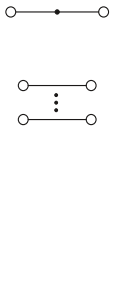
UKH ...-F high-current terminal block bases for direct mounting

– Terminal blocks and bases for up to 415 A with a space-saving design for direct mounting
– The fully-insulated pick-off terminal block (optional use) permits a voltage pick-off up to a nominal voltage of 1000 V (10 mm²)

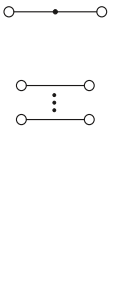
Notes:

For drilling diagram, see www.phoenixcontact.net/products

[1]) See page 466.



70 (70) mm², 150 A, terminal block bases, for direct mounting



70 (95) mm², 192 A, terminal block bases, for direct mounting

Technical data

Dimensions		Width	Length	Height	
	[mm]	**60**	**75.5**	**76**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		150	**1000**	**16 - 70**	**6 - 2/0**

Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	150 / 50	- / -	-	-
Rated cross section	[mm²]	50	-	-	-
Cross section range	AWG	6 - 2/0	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	16 - 70	25 - 70	25 - 50	25 - 50
Two conductors (of the same type)	[mm²]	10 - 16	10 - 16	10 - 16	-
Max. cross section with insertion bridge	[mm²]				
General data					
Stripping length	[mm]	24			
Screw thread		M6			
Tightening torque	[Nm]	6 - 8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

Dimensions		Width	Length	Height	
	[mm]	**60.9**	**70.5**	**80**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		192	**1000**	**16 - 95**	**4 - 3/0**

Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	192 / 70	- / -	-	-
Rated cross section	[mm²]	70	-	-	-
Cross section range	AWG	4 - 3/0	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	16 - 95	25 - 70	16 - 70	16 - 70
Two conductors (of the same type)	[mm²]	16 - 25	16 - 25	16 - 25	-
Max. cross section with insertion bridge	[mm²]				
General data					
Stripping length	[mm]	24			
Screw thread		M8			
Tightening torque	[Nm]	8 - 10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for direct mounting		gray	**UKH 50-F**		**3247019**	10
Terminal block base, for direct mounting, with three gray feed-through terminal blocks		gray	**UKH 50-3L-F**		**3076638**	3
Terminal block base, for direct mounting, four feed-through terminal blocks, 3 x gray, 1 x blue		gray/blue	**UKH 50-3L/N-F**		**3076639**	2
Terminal block base, for direct mounting, four feed-through terminal blocks, 3 x gray, 1 x black-yellow		gray/black-yellow	**UKH 50-3L/FE-F**		**3076640**	3
Terminal block base, for direct mounting, five feed-through terminal blocks, 3 x gray, 1 x blue, 1 x black-yellow		gray/blue/ black-yellow	**UKH 50-3L/N/FE-F**		**3076641**	2

Ordering data

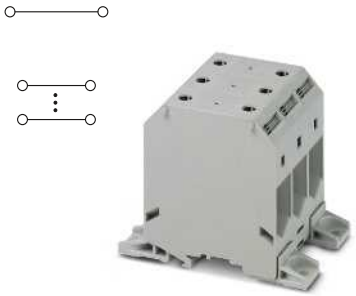
Type	I_{max}	Order No.	Pcs. / Pkt.
UKH 70-F		**3247051**	10
UKH 70-3L-F		**3076484**	4
UKH 70-3L/N-F		**3076523**	3
UKH 70-3L/FE-F		**3076565**	3
UKH 70-3L/N/FE-F		**3076604**	2

Accessories

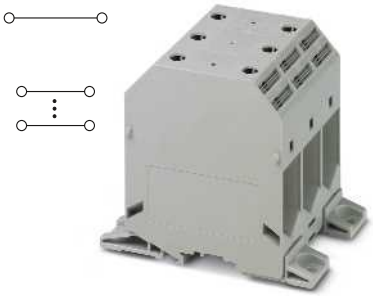
Pick-off terminal block, for snapping into the lateral guide		gray	**AGK 10-UKH 50**		**3001763**	10
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, first remove partition plate						
	2	silver	**FBI 2-20**	150 A	**0201346**	10
	3	silver	**FBI 3-20**	150 A	**0201317**	10
Insertion bridge, fully insulated, is laid into terminal sleeve and snapped into the terminal housing						
	2	gray				
	3	gray				
Insertion profile, levels out the prism-shaped sleeve when using flat-ribbon conductors[1])		silver	**UKH 50 EP**		**3009228**	10
Screwdriver			**SZS 1,2X8,0 VDE**		**1205082**	10
Allen wrench, fully insulated, safety tool in accordance with EN 60900, length: 150 mm, handle width: 110 mm						
Lateral groove labeling			**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)**			

Accessories

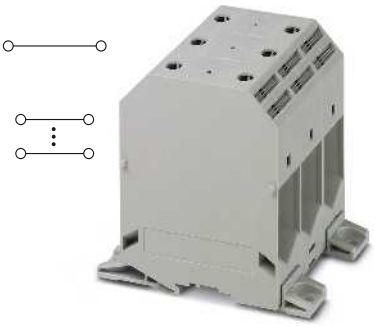
AGK 10-UKH 50		**3001763**	10
FBI 2-20 N	192 A	**3213195**	10
FBI 3-20 N	192 A	**3213205**	10
UKH 50 EP		**3009228**	10
VDE-ISS 6		**1201934**	1
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)			



95 (95) mm², 232 A, terminal block bases, for direct mounting



150 (150) mm², 309 A, terminal block bases, for direct mounting



240 (240) mm², 415 A, terminal block bases, for direct mounting

Technical data

Width	Length	Height	
75	**83**	**90**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
232	**1000**	**25 - 95**	**3 - 3/0**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
232 / 95	230 / -	-	-
95	-	-	-
3 - 3/0	2-4/0	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
25 - 95	35 - 95	35 - 95	35 - 95
25 - 35	25 - 35	16 - 35	-
95	70		
33			
M8			
15 - 20			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKH 95-F		**3247022**	10
UKH 95-3L-F		**3076497**	4
UKH 95-3L/N-F		**3076536**	2
UKH 95-3L/FE-F		**3076578**	2
UKH 95-3L/N/FE-F		**3076617**	2

Accessories

AGK 10-UKH 95		**3003541**	10
EB 2-25/UKH	232 A	**0201362**	10
EB 3-25/UKH	232 A	**0201375**	10
UKH 95 EP		**3009231**	10
VDE-ISS 6		**1201934**	1

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

Technical data

Width	Length	Height	
93	**100**	**111**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
309	**1000**	**35 - 150**	**2 - 300 kcmil**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
309 / 150	285 / -	-	-
150	-	-	-
2 - 300 kcmil	2-300	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
35 - 150	50 - 150	50 - 150	50 - 150
25 - 50	35 - 50	25 - 50	-
150	120		
40			
M10			
25 - 30			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKH 150-F		**3247035**	10
UKH 150-3L-F		**3076507**	4
UKH 150-3L/N-F		**3076549**	2
UKH 150-3L/FE-F		**3076581**	2
UKH 150-3L/N/FE-F		**3076620**	2

Accessories

AGK 10-UKH 150/240		**3003554**	10
EB 2-31/UKH	300 A	**0201388**	10
EB 3-31/UKH	300 A	**0201391**	10
UKH 150/240 EP		**3009244**	10
VDE-ISS 8		**1201947**	1

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

Technical data

Width	Length	Height	
108	**100**	**124**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
415	**1000**	**70 - 240**	**2/0 - 500 kcmil**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
415 / 240	380 / -	-	-
240	-	-	-
2/0 - 500 kcmil	2/0-500	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
70 - 240	70 - 240	70 - 185	70 - 185
35 - 95	50 - 95	35 - 50	-
240	185		
40			
M10			
25 - 30			
PA			
V0			

Ordering data

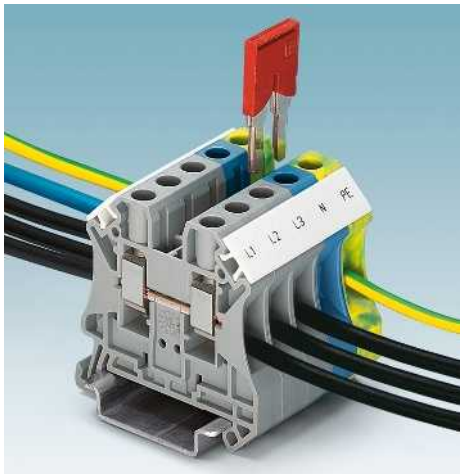
Type	I_{max}	Order No.	Pcs. / Pkt.
UKH 240-F		**3247048**	10
UKH 240-3L-F		**3076510**	4
UKH 240-3L/N-F		**3076552**	2
UKH 240-3L/FE-F		**3076594**	2
UKH 240-3L/N/FE-F		**3076633**	2

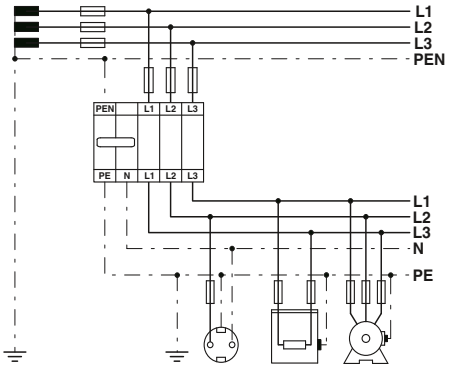
Accessories

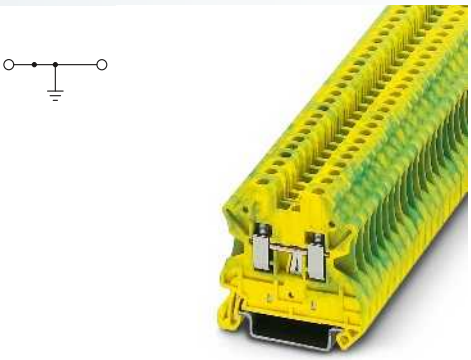
AGK 10-UKH 150/240		**3003554**	10
EB 2-36/UKH	382 A	**0201401**	10
EB 3-36/UKH	382 A	**0201414**	10
UKH 150/240 EP		**3009244**	10
VDE-ISS 8		**1201947**	1

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

UT ...-PE ground terminal blocks







2.5 (4) mm², ground terminal block

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

PEN function in accordance with IEC 60947-7-2 from 10 mm² rated cross section

When electrical machine controls installed in a 5-conductor system are connected to the power supply at the site of installation, it is impossible to know in advance whether the connection will involve 4 or 5 conductors.

Larger cross sections normally have a 4-conductor feed, which must then be converted to a 5-conductor system on the terminal strip. The point at which the PEN conductor is split up into the neutral conductor and protective conductor is of particular importance here. In the case of UT screw terminal blocks, this separation can be implemented very easily and according to the standard using a block that consists of a green-yellow ground terminal block with a metal foot and a blue modular terminal block that is isolated toward the DIN rail. Both terminal blocks are interconnected with a powerful plug-in bridge through which the current of the neutral conductor from the system is led to the PEN conductor. A copper DIN rail is not necessary, since the rail only has a PE function when the power block is used and can therefore be made of steel. Please observe the maximum permissible short-circuit current of the DIN rail for the PE function.

Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.

Technical data

Dimensions			
			[mm]
Max. electrical data			
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
Rated data	IEC 60947-7-2		
	IEC	UL/CUL	CSA
Rated voltage	-	-	-
Nominal current / cross section	-	- / -	-
Rated cross section	2.5	-	-
Cross section range	26 - 12	26-12	26-12
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	0.14 - 4	0.14 - 4	0.14 - 2.5
Two conductors (of the same type)	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Two stranded conductors with a TWIN ferrule			-
General data			
Stripping length	9		
Screw thread	M3		
Tightening torque	0.5 - 0.6		
Insulating material	PA		
Inflammability class according to UL 94	V0		

Ordering data

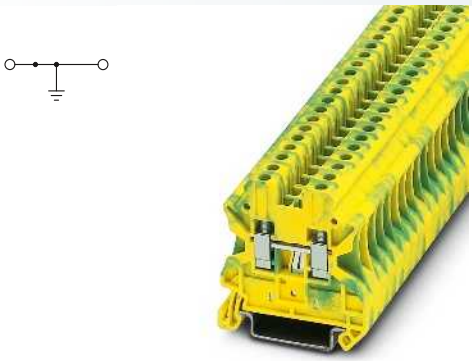
Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**UT 2,5-PE**	**3044092**	50

Accessories[1])

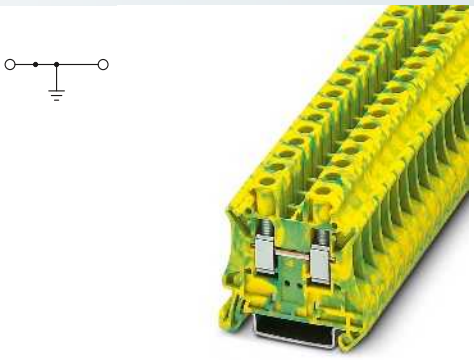
Pick-off terminal block, for snapping into the lateral guide		gray			
Cover, width 2.2 mm		gray	**D-UT 2,5/10**	**3047028**	50
Plug-in bridge					
	2	red	**FBS 2-5**	**3030161**	50
	3	red	**FBS 3-5**	**3030174**	50
	4	red	**FBS 4-5**	**3030187**	50
	5	red	**FBS 5-5**	**3030190**	50
	10	red	**FBS 10-5**	**3030213**	10
	20	red	**FBS 20-5**	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-UT**	**3047167**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**	**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**	**3030983**	10
Warning label, for UT series		yellow	**WS UT 2,5**	**3047923**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10

Lateral groove labeling

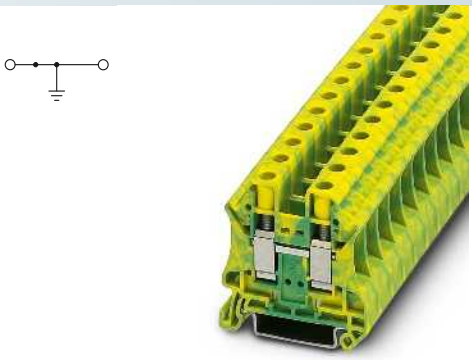
UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)



4 (6) mm², ground terminal block



6 (10) mm², ground terminal block



10 (16) mm², 76 A, ground terminal block

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**47.7**	**47.5**	
		max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	4
26 - 10	26-10	26-10	26 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UT 4-PE	**3044128**	50

Accessories[1])

D-UT 2,5/10	**3047028**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-UT	**3047167**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
WS UT 4	**3047332**	10
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data

Width	Length	Height NS 35/7,5	
8.2	**47.7**	**47.5**	
		max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	6
24 - 8	24-8	24-8	24 - 8
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UT 6-PE	**3044157**	50

Accessories[1])

D-UT 2,5/10	**3047028**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
ATP-UT	**3047167**	50
PAI-4-N GY	**3032871**	10
PS-8	**3031005**	10
WS UT 6	**3047345**	10
SZS 1,0X4,0 VDE	**1205066**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data

Width	Length	Height NS 35/7,5	
10.2	**47.7**	**47.5**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
76		**0.5 - 16**	**20 - 6**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
57 / 10	- / -	-	-
10	-	-	10
20 - 6	20-6	20-6	20 - 6
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 2.5	-
			0.5 - 6
10			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 10-PE		**3044173**	50

Accessories[1])

AGK 4-UT 10		**3047112**	50
D-UT 2,5/10		**3047028**	50
FBS 2-10	57 A	**3005947**	10
ATP-UT		**3047167**	50
WS UT 10		**3047361**	10
SZS 1,0X4,0 VDE		**1205066**	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

UT ...-PE ground terminal blocks

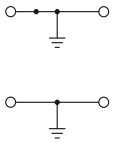
Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.

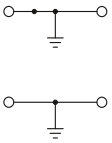
[2]) See page 466.

[3]) UT 16-PE/S: screw thread / tightening torque of screw PE foot: M4 / 1.5-1.8 Nm
UT 35-PE/S: screw thread / tightening torque of screw PE foot: M5 / 2.5-3 Nm





16 (25) mm², 101 A, ground terminal block





35 (35) mm², 125 A, ground terminal block

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12.2**	**55.5**	**55**	
Dimensions		Width	Length	Height NS 35/15	
	[mm]	**12.2**	**55.5**	**62.5**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**12.2**	**55.5**	**-**	
Max. electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG
		101		**1.5 - 25**	**16 - 4**
Rated data		IEC 60947-7-2			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	76 / 16	- / -	-	-
Rated cross section	[mm²]	16	-	-	16
Cross section range	AWG	16 - 4	16-4	16-4	16 - 4
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	1.5 - 25	1.5 - 25	1 - 16	1 - 16
Two conductors (of the same type)	[mm²]	1 - 6	1 - 6	1 - 6	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.75 - 10
General data					
Stripping length	[mm]	14			
Screw thread		M5			
Mounting: thread / torque	- / [Nm]	- / -			
Tightening torque	[Nm]	2.5 - 3			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**UT 16-PE**		**3044212**	50
Ground terminal block, for assembly on NS 35 ..., with screwfix[3])		green-yellow	**UT 16-PE/S**		**3215915**	50
Ground terminal block, with green-yellow insulating housing, for mounting on NS 32, NS 35/15-2,3 or NS 35/15		green-yellow				

Accessories[1])

Pick-off terminal block, for snapping into the lateral guide		gray	**AGK 4-UT 16**		**3047125**	50
Cover, width 2.2 mm		gray	**D-UT 16**		**3047206**	50
Plug-in bridge	2	red	**FBS 2-12**	76 A	**3005950**	10
Insertion profile, levels out the prism-shaped sleeve when using flat-ribbon conductors[2])		silver				
Warning label, for UT series		yellow	**WS UT 16**		**3047374**	10
Screwdriver			**SZS 1,0X6,5 VDE**		**1205079**	10
Allen wrench, fully insulated, safety tool in accordance with EN 60900, length: 150 mm, handle width: 110 mm						
Lateral groove labeling			**UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)**			

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data

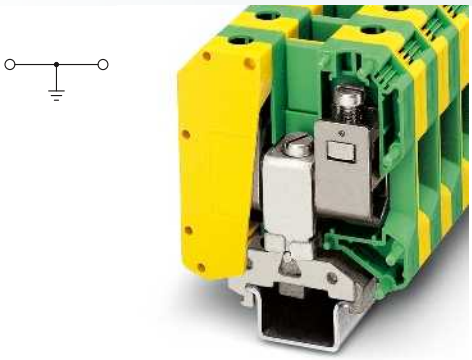
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**16**	**60.2**	**65.7**	
Dimensions		Width	Length	Height NS 35/15	
	[mm]	**16**	**60.2**	**73.2**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**16**	**60.2**	**-**	
Max. electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG
		125		**1.5 - 35**	**16 - 2**
Rated data		IEC 60947-7-2			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	125 / 35	- / -	-	-
Rated cross section	[mm²]	35	-	-	35
Cross section range	AWG	16 - 2	14-2	14-1/0	16 - 2
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	1.5 - 35	1.5 - 35	1.5 - 35	1.5 - 35
Two conductors (of the same type)	[mm²]	1.5 - 16	1.5 - 10	1.5 - 10	-
Two stranded conductors with a TWIN ferrule	[mm²]				1.5 - 16
General data					
Stripping length	[mm]	18			
Screw thread		M6			
Mounting: thread / torque	- / [Nm]	- / -			
Tightening torque	[Nm]	3.2 - 3.7			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 35-PE		**3044241**	50
UT 35-PE/S		**3215928**	50

Accessories[1])

AGK 4-UT 35		**3047138**	50
FBS 2-16	101 A	**3005963**	10
WS UT 35		**3047387**	10
SZS 1,0X6,5 VDE		**1205079**	10
UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 5)			



50 (70) mm², 150 A, ground terminal block

Ex: KEMA 99ATEX4487U / IECEx KEM 06.0035U

Technical data

Width	Length	Height NS 35/7,5	
20	**70.5**	**-**	
Width	Length	Height NS 35/15	
20	**70.5**	**83.5**	
Width	Length	Height NS 32	
20	**70.5**	**81.5**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
150		**16 - 70**	**6 - 1/0**
IEC 60947-7-2			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
150 / 50	- / -	-	-
50	-	-	50
6 - 1/0	6-1/0	-	6 - 1/0
solid	stranded	Ferrule	
		Without / with plastic sleeve	
16 - 70	16 - 70	25 - 50	25 - 50
10 - 16	10 - 16	10 - 16	-

24	
M6	
M6 / 6 - 8	
6 - 8	
PA	
V0	

Ordering data

Type	Order No.	Pcs. / Pkt.
USLKG 50	**0443049**	10

Accessories[1])

UKH 50 EP	**3009228**	10
SZS 1,2X8,0 VDE	**1205082**	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)



70 (95) mm², 192 A, ground terminal block

Ex: KEMA 99ATEX4487U / IECEx KEM 06.0035U

Technical data

Width	Length	Height NS 35/7,5	
20.3	**70.5**	**-**	
Width	Length	Height NS 35/15	
20.3	**70.5**	**87.5**	
Width	Length	Height NS 32	
20.3	**70.5**	**-**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
192		**16 - 95**	**4 - 3/0**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
192 / 70	- / -	-	-
70	-	-	-
4 - 3/0	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
16 - 95	25 - 70	16 - 70	16 - 70
16 - 25	16 - 25	16 - 25	-

24	
M8	
M6 / 6 - 8	
8 - 10	
PA	
V0	

Ordering data

Type	Order No.	Pcs. / Pkt.
UKH 70-PE/S	**3213141**	10

Accessories[1])

UKH 50 EP	**3009228**	10
VDE-ISS 6	**1201934**	1

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)



95 (95) mm², 232 A, ground terminal block

Ex: KEMA 99ATEX4487U / IECEx KEM 06.0035U

Technical data

Width	Length	Height NS 35/7,5	
25	**83**	**-**	
Width	Length	Height NS 35/15	
25	**83**	**97.5**	
Width	Length	Height NS 32	
25	**83**	**95.5**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
232		**25 - 95**	**4 - 3/0**
IEC 60947-7-2			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
232 / 95	- / -	-	-
95	-	-	95
4 - 3/0	2-4/0	2-4/0	4 - 3/0
solid	stranded	Ferrule	
		Without / with plastic sleeve	
25 - 95	25 - 95	35 - 95	35 - 95
25 - 35	25 - 35	16 - 35	-

30	
M8	
M8 / 15 - 20	
15 - 20	
PA	
V2	

Ordering data

Type	Order No.	Pcs. / Pkt.
USLKG 95	**0441041**	10

Accessories[1])

UKH 95 EP	**3009231**	10
VDE-ISS 6	**1201934**	1

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

UT ...-TWIN feed-through and PE terminal blocks with 3 connections

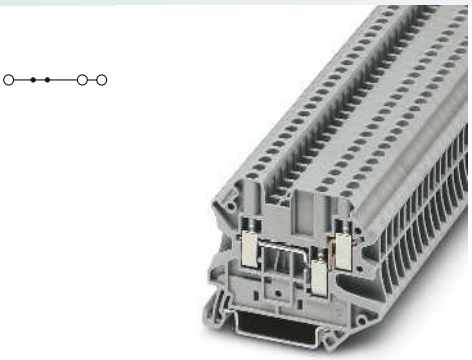
UT ...-TWIN terminal blocks with single-sided double connection enable:
– Space-saving and practical multi-conductor connection without additional bridge
– All potential distribution tasks can be undertaken with ease

Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) For installation notes on the use of accessories for Ex e applications, see page 710.



2.5 (4) mm², 30 A, feed-through terminal block, 3 connections

Ex: KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data

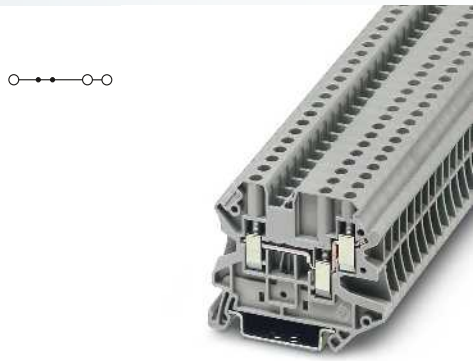
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**57.8**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		30[1])	**500**	**0.14 - 4**	**26 - 12**
Rated data		IEC 60947-7-1 / IEC	UL/CUL	CSA	Ex / IEC/ EN 60079-7
Rated voltage	[V]	500	150	150	352
Nominal current / cross section	[A] / [mm²]	24[1]) / 2.5	20 / -	20 / -	21 / 2.5 // 25 / 4
Rated cross section	[mm²]	2.5	-	-	2.5
Cross section range	AWG	26 - 12	26-12	26-12	26 - 12
Connection capacity		solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**UT 2,5-TWIN**		**3044513**	50
		blue	**UT 2,5-TWIN BU**		**3044526**	50
Ground terminal block, for mounting on NS 35...		green-yellow				

Accessories[2])

Cover, width 2.2 mm		gray	**D-UT 2,5/4-TWIN**		**3047141**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray	**DS-UT 2,5/4**		**3047109**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2.2 mm wide		gray	**ATP-UT-TWIN**		**3047183**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Warning label, for UT series		yellow	**WS UT 2,5**		**3047923**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			



4 (6) mm², 41 A, feed-through terminal block, 3 connections

Ex: KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data

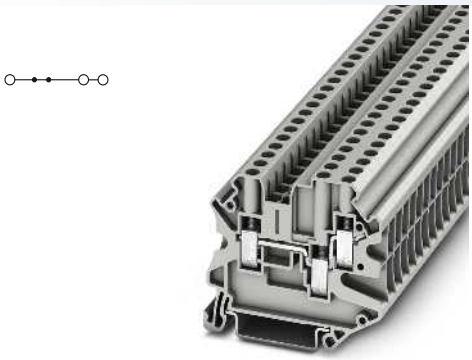
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**57.8**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		41[1])	**500**	**0.14 - 6**	**26 - 10**
Rated data		IEC 60947-7-1 / IEC	UL/CUL	CSA	Ex / IEC/ EN 60079-7
Rated voltage	[V]	500	150	150	352
Nominal current / cross section	[A] / [mm²]	32[1]) / 4	30 / -	30 / -	29 / 4 // 35 / 6
Rated cross section	[mm²]	4	-	-	4
Cross section range	AWG	26 - 10	26-10	26-10	26 - 10
Connection capacity		solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-TWIN		**3044364**	50
UT 4-TWIN BU		**3044500**	50

Accessories[2])

D-UT 2,5/4-TWIN		**3047141**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT-TWIN		**3047183**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)			



4 (6) mm², 41 A, 1000 V, feed-through terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
6.2	**57.8**	**50**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
39[1])	**1000**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
32[1]) / 4	- / -	-	-
4	-	-	-
26 - 10	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

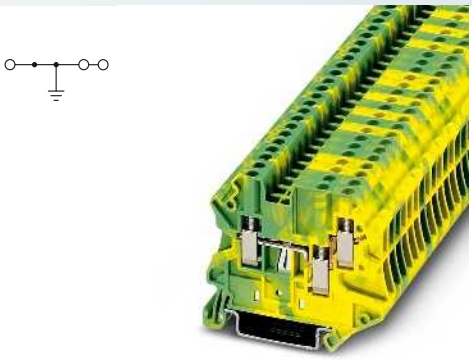
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-TWIN HV		**3000608**	50

Accessories[2])

D-UT 4-TWIN HV		**3000710**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)



2.5 (4) mm², ground terminal block, 3 connections

Ex:
KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**57.8**	**47.5**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	2.5
26 - 12	26-12	26-12	26 - 12
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1
9			
M3			
0.5 - 0.6			
PA			
V0			

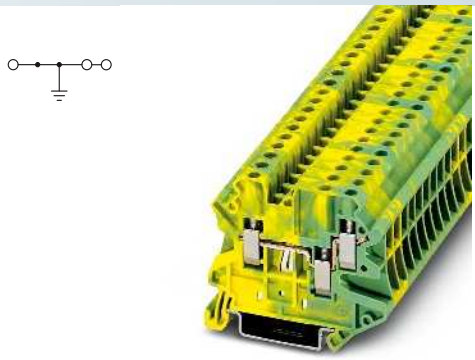
Ordering data

Type	Order No.	Pcs. / Pkt.
UT 2,5-TWIN-PE	**3044539**	50

Accessories[2])

D-UT 2,5/4-TWIN		**3047141**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-5		**3030161**	50
FBS 3-5		**3030174**	50
FBS 4-5		**3030187**	50
FBS 5-5		**3030190**	50
FBS 10-5		**3030213**	10
FBS 20-5		**3030226**	10
ATP-UT-TWIN		**3047183**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WS UT 2,5		**3047923**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)



4 (6) mm², ground terminal block, 3 connections

Ex:
KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**57.8**	**47.5**	
		max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 60947-7-2			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	4
26 - 10	26-10	26-10	26 - 10
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UT 4-TWIN-PE	**3044380**	50

Accessories[2])

D-UT 2,5/4-TWIN		**3047141**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-6		**3030336**	50
FBS 3-6		**3030242**	50
FBS 4-6		**3030255**	50
FBS 5-6		**3030349**	50
FBS 10-6		**3030271**	10
FBS 20-6		**3030365**	10
ATP-UT-TWIN		**3047183**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

UT ...-QUATTRO feed-through and PE terminal blocks with 4 connections

– These variants can therefore be used as compact power distributors

Notes:

For current carrying capacity of DIN rails, see page 716.

1) The total current of all connected conductors must not exceed the max. load current.

2) For installation notes on the use of accessories for Ex e applications, see page 710.



2.5 (4) mm², 30 A, feed-through terminal block, 4 connections

Ex:
KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data

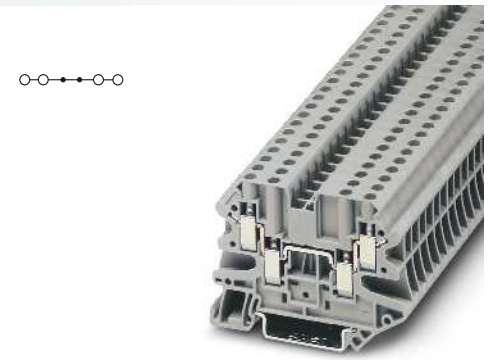
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**65.4**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		30[1])	**500**	**0.14 - 4**	**26 - 12**
Rated data		IEC 60947-7-1			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	150	150	352
Nominal current / cross section	[A] / [mm²]	24[1]) / 2.5	20 / -	20 / -	21 / 2.5 // 25 / 4
Rated cross section	[mm²]	2.5	-	-	2.5
Cross section range	AWG	26 - 12	26-12	26-12	26 - 12
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**UT 2,5-QUATTRO**		**3044542**	50
		blue	**UT 2,5-QUATTRO BU**		**3044555**	50
Ground terminal block, for mounting on NS 35...		green-yellow				

Accessories[2])

Cover, width 2.2 mm		gray	**D-UT 2,5/4-QUATTRO**		**3047170**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray	**DS-UT 2,5/4**		**3047109**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2.2 mm wide		gray	**ATP-UT-QUATTRO**		**3047196**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Warning label, for UT series		yellow	**WS UT 2,5**		**3047923**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			



4 (6) mm², 39 A, feed-through terminal block, 4 connections

Ex:
KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data

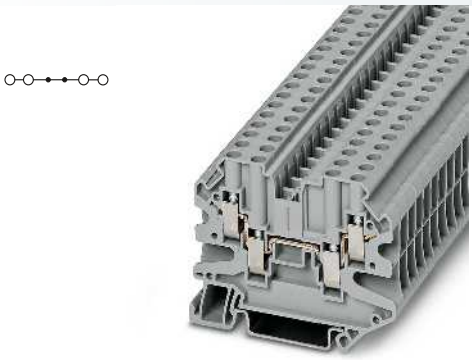
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**65.4**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		39[1])	**500**	**0.14 - 6**	**26 - 10**
Rated data		IEC 60947-7-1			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	150	150	352
Nominal current / cross section	[A] / [mm²]	32[1]) / 4	30 / -	30 / -	29 / 4 // 33 / 6
Rated cross section	[mm²]	4	-	-	4
Cross section range	AWG	26 - 10	26-10	26-10	26 - 10
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

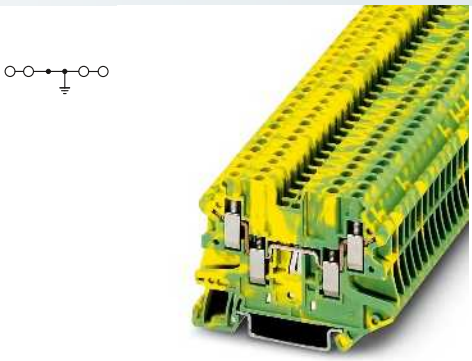
Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-QUATTRO		**3044571**	50
UT 4-QUATTRO BU		**3044584**	50

Accessories[2])

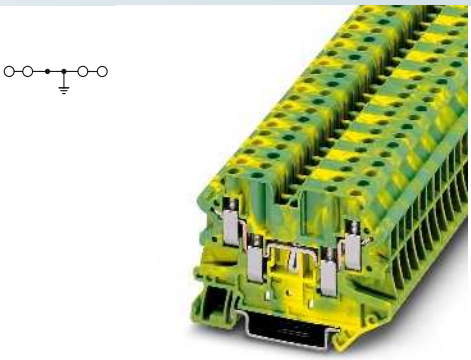
D-UT 2,5/4-QUATTRO		**3047170**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT-QUATTRO		**3047196**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)			



4 (6) mm², 37 A, 1000 V, feed-through terminal block, 4 connections



2.5 (4) mm², ground terminal block, 4 connections



4 (6) mm², ground terminal block, 4 connections

Ex:
KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**65.4**	**50**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
37[1])	**1000**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
32[1]) / 4	- / -	-	-
4	-	-	-
26 - 10	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-QUATTRO HV		**3048823**	50
UT 4-QUATTRO HV BU		**3048836**	50

Accessories[2])

D-UT 4-QUATTRO HV		**3048852**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT-QUATTRO		**3047196**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Ex:
KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**65.4**	**47.5**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	2.5
26 - 12	26-12	26-12	26 - 12
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UT 2,5-QUATTRO-PE	**3044568**	50

Accessories[2])

D-UT 2,5/4-QUATTRO		**3047170**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-5		**3030161**	50
FBS 3-5		**3030174**	50
FBS 4-5		**3030187**	50
FBS 5-5		**3030190**	50
FBS 10-5		**3030213**	10
FBS 20-5		**3030226**	10
ATP-UT-QUATTRO		**3047196**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WS UT 2,5		**3047923**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

Ex:
KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**65.4**	**47.5**	
		max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 60947-7-2			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	4
26 - 10	26-10	26-10	26 - 10
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UT 4-QUATTRO-PE	**3044597**	50

Accessories[2])

D-UT 2,5/4-QUATTRO		**3047170**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-6		**3030336**	50
FBS 3-6		**3030242**	50
FBS 4-6		**3030255**	50
FBS 5-6		**3030349**	50
FBS 10-6		**3030271**	10
FBS 20-6		**3030365**	10
ATP-UT-QUATTRO		**3047196**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

UTTB ... double-level terminal blocks

The compact double-level terminal blocks offer maximum wiring convenience with maximum space savings.

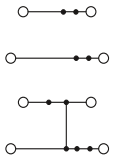
– Since they have two function shafts per level, all potential distribution work can be implemented at speed

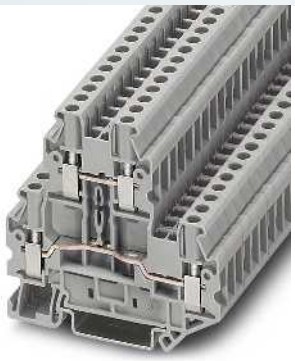
Notes:

For current carrying capacity of DIN rails, see page 716.

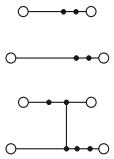
[1]) The total current of all connected conductors must not exceed the max. load current.

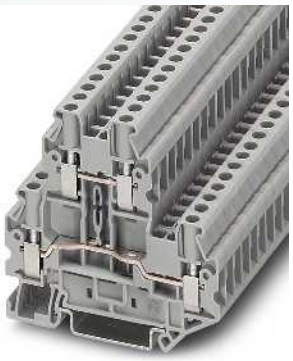
[2]) For installation notes on the use of accessories for Ex e applications, see page 710.





2.5 (4) mm², 28 A, double-level terminal block





4 (6) mm², 36 A, double-level terminal block

Ex: KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Ex: KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**69.9**	**65**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		28	**500**	**0.14 - 4**	**26 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	Ex IEC/ EN 60079-7
Rated voltage	[V]	500	600	600	352
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	20 / 2.5 // 24 / 4
Rated cross section	[mm²]	2.5	-	-	2.5
Cross section range	AWG	26 - 12	26-12	26-12	26 - 12
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

		Width	Length	Height NS 35/7,5	
		6.2	**69.9**	**65**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		36	**800**	**0.14 - 6**	**26 - 10**
		IEC 60947-7-1 IEC	UL/CUL	CSA	Ex IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	440
Nominal current / cross section	[A] / [mm²]	30 / 4	30 / -	30 / -	25.5 / 4 // 31.5 / 6
Rated cross section	[mm²]	4	-	-	4
Cross section range	AWG	26 - 10	26-10	26-10	26 - 10
		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
		9			
		M3			
		0.6 - 0.8			
		PA			
		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**UTTB 2,5**		**3044636**	50
		blue	**UTTB 2,5 BU**		**3044649**	50
Terminal block, with equipotential bonder, for mounting on NS 35...[1])		gray	**UTTB 2,5-PV**		**3044652**	50
Ground terminal block, for mounting on NS 35...		green-yellow				

Ordering data

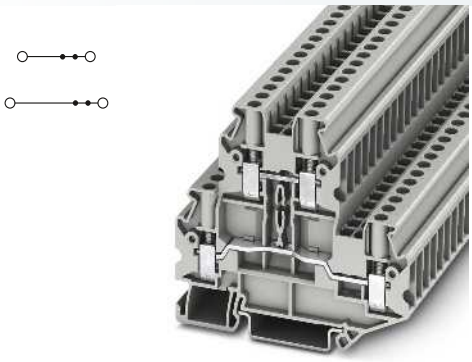
Type	I_{max}	Order No.	Pcs. / Pkt.
UTTB 4		**3044814**	50
UTTB 4 BU		**3044791**	50
UTTB 4-PV		**3044733**	50

Accessories[2])

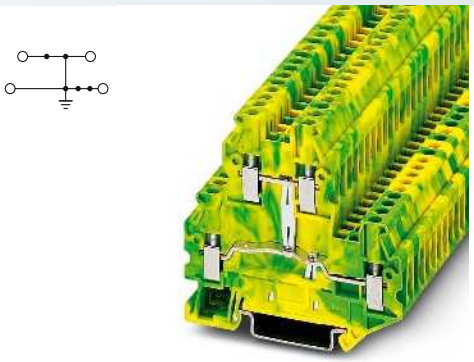
Cover, width 2.2 mm		gray	**D-UTTB 2,5/4**		**3047293**	50
Spacer plate, compensates for level offsets, width 2.5 mm		gray	**DP-UTTB 2,5/4**		**3047303**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Vertical potential bridge, to connect the upper and lower level		black	**FBS-PV UT**		**3047358**	50
Partition plate, 2.2 mm wide		gray	**ATP-UTTB 2,5/4**		**3047316**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			

Accessories[2])

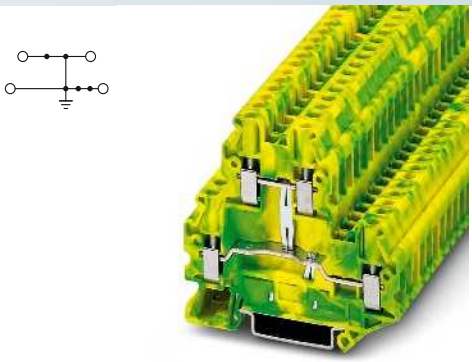
D-UTTB 2,5/4		**3047293**	50
DP-UTTB 2,5/4		**3047303**	50
FBS 2-6	30 A	**3030336**	50
FBS 3-6	30 A	**3030242**	50
FBS 4-6	30 A	**3030255**	50
FBS 5-6	30 A	**3030349**	50
FBS 10-6	30 A	**3030271**	10
FBS 20-6	30 A	**3030365**	10
FBS-PV UT		**3047358**	50
ATP-UTTB 2,5/4		**3047316**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)			



4 (6) mm², 36 A, 1000 V, double-level terminal block



2.5 (4) mm², double-level ground terminal block



4 (6) mm², double-level ground terminal block

Ex:
KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Ex:
KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**75.6**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
36	**1000**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
30 / 4	- / -	-	-
4	-	-	-
26 - 10	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UTTB 4 HV		**3000610**	50

Accessories²)

D-UTTB 4 HV		**3000709**	50
DP-UTTB 2,5/4		**3047303**	50
FBS 2-6	30 A	**3030336**	50
FBS 3-6	30 A	**3030242**	50
FBS 4-6	30 A	**3030255**	50
FBS 5-6	30 A	**3030349**	50
FBS 10-6	30 A	**3030271**	10
FBS 20-6	30 A	**3030365**	10
FBS-PV UT		**3047358**	50
ATP-UTTB 2,5/4		**3047316**	50
PS-6		**3030996**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**69.9**	**65**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	2.5
26 - 12	26-12	26-12	26 - 12
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UTTB 2,5-PE	**3044665**	50

Accessories²)

D-UTTB 2,5/4		**3047293**	50
DP-UTTB 2,5/4		**3047303**	50
FBS 2-5		**3030161**	50
FBS 3-5		**3030174**	50
FBS 4-5		**3030187**	50
FBS 5-5		**3030190**	50
FBS 10-5		**3030213**	10
FBS 20-5		**3030226**	10
ATP-UTTB 2,5/4		**3047316**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**69.9**	**65**	
		max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	4
26 - 10	26-10	26-10	26 - 10
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UTTB 4-PE	**3044759**	50

Accessories²)

D-UTTB 2,5/4		**3047293**	50
DP-UTTB 2,5/4		**3047303**	50
FBS 2-6		**3030336**	50
FBS 3-6		**3030242**	50
FBS 4-6		**3030255**	50
FBS 5-6		**3030349**	50
FBS 10-6		**3030271**	10
FBS 20-6		**3030365**	10
ATP-UTTB 2,5/4		**3047316**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

UTTB ... double-level terminal blocks

- The types ...PE/L and ...PE/N provide ground conductor connection with the DIN rail in the lower level
- The upper level is designed as a feed-through level
- Clear and unambiguous potential distribution due to color coding of the housing surfaces.

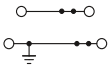
Offset levels

Offset levels provide:

- Unobstructed access to the lower connection level if fully wired
- Better view of the lower labeling signs and conductor entry funnel

Notes:

For current carrying capacity of DIN rails, see page 716.





2.5 (4) mm², 28 A, double-level ground terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**69.9**	**65**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		28	**500**	**0.14 - 4** / **26 - 12**
Rated data		IEC 60947-7-1 / IEC 60947-7-2		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	300	600 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	26 - 12	26-12	26-12 / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			- / 0.5 - 1.5
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V0		

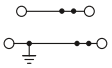
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**UTTB 2,5-PE/L**		**3044678**	50

Accessories

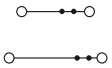
Cover, width 2.2 mm		gray	**D-UTTB 2,5/4**		**3047293**	50
Spacer plate, compensates for level offsets, width 2.5 mm		gray	**DP-UTTB 2,5/4**		**3047303**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2.2 mm wide		gray	**ATP-UTTB 2,5/4**		**3047316**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			







2.5 (4) mm², 28 A, double-level ground terminal block





2.5 (4) mm², 28 A, double-level terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	**69.9**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
28	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	600	-
24 / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UTTB 2,5-PE/N		**3046731**	50

Accessories

D-UTTB 2,5/4		**3047293**	50
DP-UTTB 2,5/4		**3047303**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-UTTB 2,5/4		**3047316**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**69.9**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
28	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
24 / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UTTB 2,5-L/N		**3044681**	50

Accessories

D-UTTB 2,5/4		**3047293**	50
DP-UTTB 2,5/4		**3047303**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-UTTB 2,5/4		**3047316**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

UT 2,5 ... three-level terminal blocks

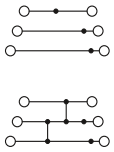
– A very high wiring density is achieved with the compact three-level terminal blocks
– Since function shafts are provided on each level, all potential distribution work can be implemented at speed
– Each terminal point can be given a large label for ease of recognition
– The ...PE/L/L and ...PE/L/N types offer clear and unambiguous assignment through the use of color coding of the housing surfaces

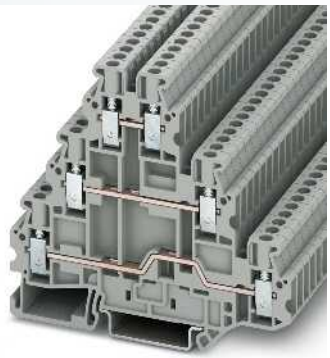
CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) The total current of all connected conductors must not exceed the max. load current.





2.5 (4) mm², 24 A, three-level terminal block

Technical data

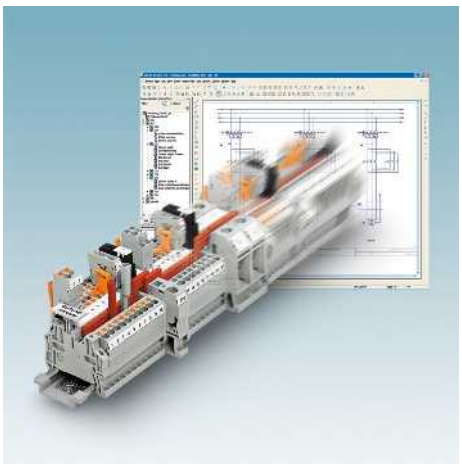
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**90**	**77.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		24	**500**	**0.14 - 4 / 26 - 12**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	19 / 2.5	20 / -	20 / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	26 - 12	26-12	26-12 / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 1
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V0		

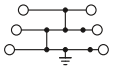
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**UT 2,5-3L**		**3214259**	50
Terminal block, with equipotential bonder, for mounting on NS 35...[1])		gray	**UT 2,5-3PV**		**3214262**	50
Ground terminal block, for mounting on NS 35...		green/yellow				
Terminal block, for mounting on NS 35...		gray				
		gray				
Terminal block, with LED for 12-30 V DC, 0.7-2.4 mA		gray				

Accessories

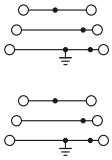
			Type		Order No.	Pcs. / Pkt.
Cover, width 2.2 mm		gray	**D-UT 2,5-3L**		**3214314**	50
Plug-in bridge						
	2	red	**FBS 2-5**	30 A	**3030161**	50
	3	red	**FBS 3-5**	30 A	**3030174**	50
	4	red	**FBS 4-5**	30 A	**3030187**	50
	5	red	**FBS 5-5**	30 A	**3030190**	50
	10	red	**FBS 10-5**	30 A	**3030213**	10
	20	red	**FBS 20-5**	30 A	**3030226**	10
Partition plate, 2 mm wide		gray	**TP-UK**		**3003046**	10
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			

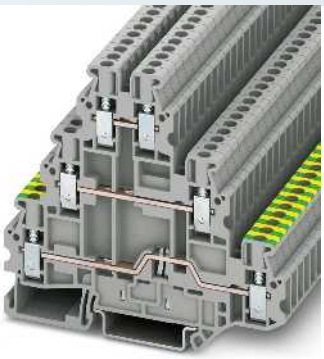






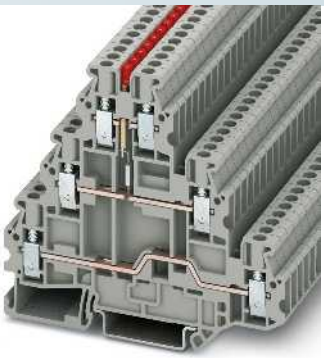
2.5 (4) mm², three-level ground terminal block





2.5 (4) mm², 24 A, three-level terminal block with PE foot





2.5 (4) mm², 24 A, three-level terminal block with LED

Technical data

Width	Length	Height NS 35/7,5	
5.2	**90**	**77.5**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UT 2,5-3PE	**3214275**	50

Accessories

D-UT 2,5-3L	**3214314**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
TP-UK	**3003046**	10
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**90**	**77.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
19 / 2.5	20 / -	20	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 2,5-PE/L/L		**3214301**	50
UT 2,5-PE/L/N		**3214291**	50

Accessories

D-UT 2,5-3L		**3214314**	50
FBS 2-5	30 A	**3030161**	50
FBS 3-5	30 A	**3030174**	50
FBS 4-5	30 A	**3030187**	50
FBS 5-5	30 A	**3030190**	50
FBS 10-5	30 A	**3030213**	10
FBS 20-5	30 A	**3030226**	10
TP-UK		**3003046**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**90**	**77.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**24**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
24	600	24	-
19 / 2.5	20 / -	20	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

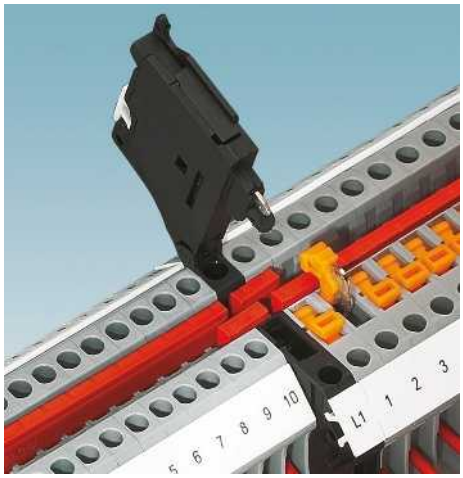
Type	I_{max}	Order No.	Pcs. / Pkt.
UT 2,5-3L-LA24RD/O-M		**3214288**	50

Accessories

D-UT 2,5-3L		**3214314**	50
FBS 2-5	30 A	**3030161**	50
FBS 3-5	30 A	**3030174**	50
FBS 4-5	30 A	**3030187**	50
FBS 5-5	30 A	**3030190**	50
FBS 10-5	30 A	**3030213**	10
FBS 20-5	30 A	**3030226**	10
TP-UK		**3003046**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

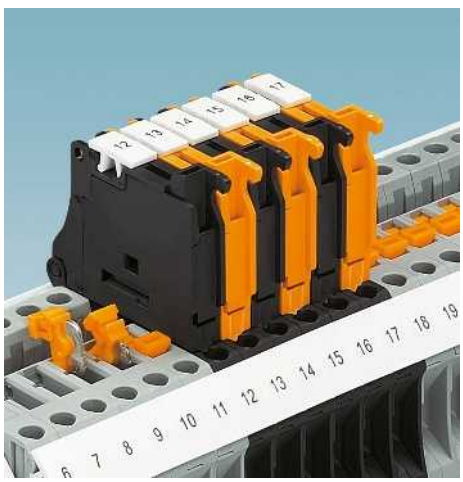
UT ...-HESI/HEDI lever-type fuse and disconnect terminal blocks



The lever-type fuse terminal blocks are characterized by:
– An extremely compact design
– Two function shafts mean that all potential distribution tasks can be undertaken at speed
– UT 4-MTD feed-through terminal blocks and UT 4-TG / -MT function terminal blocks of the same shape are available
– Test connection on both sides in safety lever
– The UT 4-HESILED 24 (5x20)120KOHM version, with a maximum LED leakage current of 0.49 mA, was developed especially for safety-related controllers

UT 4-HEDI lever-type disconnect terminal blocks

The lever-type disconnect terminal blocks have the same shape and pitch as the 5 x 20 mm lever-type fuse terminal blocks and allow for:
– A design to suit their function
– Continuous labeling of terminal points
– The dual function shaft allows two potentials running in parallel to be jumped separately
– Time-saving way of setting up potential infeed



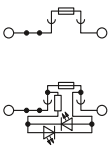
Notes:

[1]) If the fuse is faulty, the downstream circuit is not off load.

[2]) For max. power dissipation, see page 724.

[3]) The current is determined by the fuse used, the voltage by the light indicator.

[4]) The reducing bridge table should be followed, see page 476.





4 (6) mm², 6.3 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**57.8**	**73**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		6.3[2])	**500[3])**	**0.14 - 6 / 26 - 10**
Rated data		IEC 60947-7-3		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500[3])	600	600 / -
Nominal current / cross section	[A] / [mm²]	6.3 / 1	6.3 / -	6.3 / - / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	26 - 10	26-10	26-10 / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 6	0.14 - 6	0.14 - 4 / 0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 2.5
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

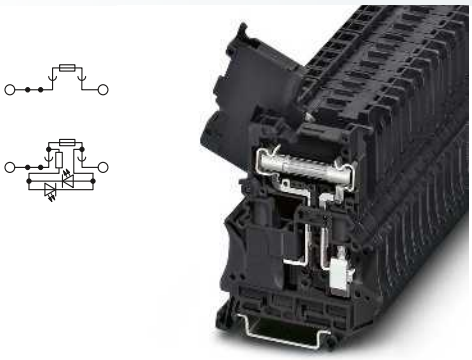
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35..., for cartridge fuse inserts 5 x 20 mm.		black	**UT 4-HESI (5X20)**		**3046032**	50
With LED for 12-30 V AC/DC, 0.31-0.95 mA[1])		black	**UT 4-HESILED 24 (5X20)**		**3046090**	50
With LED for 12-60 V AC/DC, 0.08-0.49 mA[1])		black	**UT 4-HESILED 24 (5X20) 120KOHM**		**3248005**	50
For 30-60 V AC/DC, 0.40-0.86 mA[1])		black	**UT 4-HESILED 60 (5X20)**		**3046126**	50
For 110-250 V AC/DC, 0.41-0.96 mA[1])		black	**UT 4-HESILA 250 (5X20)**		**3046100**	50
Fuse terminal block, for mounting on NS 35..., for cartridge fuse inserts 6.3 x 32 mm		black				
With LED for 12-30 V AC/DC, 0.31-0.95 mA[1])		black				
For 30-60 V AC/DC, 0.40-0.86 mA[1])		black				
For 110-250 V AC/DC, 0.41-0.96 mA[1])		black				
Disconnect terminal block, for mounting on NS 35...		black/orange				
With test socket screws		black/orange				

Accessories

Plug-in bridge						
	2	red	**FBS 2-6**	32 A	**3030336**	50
	3	red	**FBS 3-6**	32 A	**3030242**	50
	4	red	**FBS 4-6**	32 A	**3030255**	50
	5	red	**FBS 5-6**	32 A	**3030349**	50
	10	red	**FBS 10-6**	32 A	**3030271**	10
	20	red	**FBS 20-6**	32 A	**3030365**	10
Reducing bridge[4])						
	2	red				
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10

Lever labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Lateral groove labeling	**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**



6 (10) mm², 10 A, lever-type fuse terminal block for 6.3 x 32 mm cartridge fuses



4 (6) mm², 20 A, lever-type disconnect terminal block, same shape



4 (6) mm², 20 A, lever-type disconnect terminal block, same shape, with test socket screw

Technical data

Width	Length	Height NS 35/7,5	
8.2	**57.8**	**73**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
10[2])	**630[3])**	**0.2 - 10**	**24 - 8**
IEC 60947-7-3			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
630[3])	600	600	-
10[3]) / 1.5	16 / -	10 / -	-
6	-	-	-
24 - 8	24-8	24-8	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
6.2	**57.8**	**73**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**500**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
20 / 2.5	16 / -	16 / -	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
6.2	**57.8**	**73**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**500**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	300	-
20 / 2.5	16 / -	16 / -	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 6-HESI (6,3X32)		**3046401**	50
UT 6-HESILED 24 (6,3X32)		**3046414**	50
UT 6-HESILED 60 (6,3X32)		**3046427**	50
UT 6-HESILA 250 (6,3X32)		**3046430**	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-HEDI		**3046249**	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-HEDI-P/P		**3046252**	50

Accessories

FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
RB UT 6-(2,5/4)		**3047251**	10
SZS 1,0X4,0 VDE		**1205066**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Accessories

FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Accessories

FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
SZG 0,6X3,5 VDE		**1205121**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

UT 4-PE...HESI/-TG/-MT lever-type fuse and function terminal blocks with PE foot

Notes:

For current carrying capacity of DIN rails, see page 716.

For more plug-in bridges, see page 472..

[1]) The max. current is determined by the diode. Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A

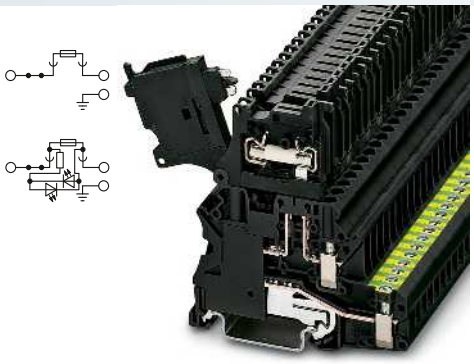
[2]) If the fuse is faulty, the downstream circuit is not off load.

[3]) Observe max. load current.

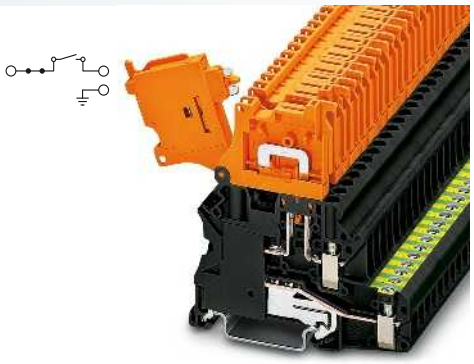
[4]) Observe max. load current, depending on the power dissipation of the components. Max. 0.5 W with single arrangement.

[5]) For max. power dissipation, see page 724.

[6]) The current is determined by the fuse used, the voltage by the light indicator.



4 (6) mm², 6.3 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses, with PE foot



4 (6) mm², 20 A, lever-type disconnect terminal block, same shape, with PE foot

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**70.8**	**73**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		6.3[5])	**500[6])**	**0.14 - 6**	**26 - 10**
Rated data		IEC 60947-7-2 / IEC 60947-7-3			
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[6])	600	-	-
Nominal current / cross section	[A] / [mm²]	6.3 / 1	10 / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	26 - 10	26-10	-	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

Width		Length	Height NS 35/7,5		
6.2		**70.8**	**73**		
$I_{max.}$ [A]		$U_{max.}$ [V]	max. Ø [mm²]	AWG	
20		**500**	**0.14 - 6**	**26 - 10**	
IEC 60947-7-1 / IEC 60947-7-2					
IEC		UL/CUL	CSA	IEC/ EN 60079-7	
500		600	-	-	
20 / 2.5		16 / -	-	-	
4		-	-	-	
26 - 10		26-10	-	-	
solid		stranded	Ferrule		
			Without / with plastic sleeve		
0.14 - 6		0.14 - 6	0.14 - 4	0.14 - 4	
0.14 - 1.5		0.14 - 1.5	0.14 - 1.5	-	
				0.5 - 1.5	
9					
M3					
0.6 - 0.8					
PA					
V0					

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35..., for cartridge fuse inserts 5 x 20 mm.		black	**UT 4-PE/HESI (5X20)**		**3073995**	50
With LED for 12-30 V AC/DC, 0.31-0.95 mA[2])		black	**UT 4-PE/HESI LED 24 (5X20)**		**3070053**	50
For 30-60 V AC/DC, 0.40-0.86 mA[2])		black	**UT 4-PE/HESI LED 60 (5X20)**		**3070066**	50
For 110-250 V AC/DC, 0.41-0.96 mA[2])		black	**UT 4-PE/HESI LA 250 (5X20)**		**3070079**	50
Disconnect terminal block, for mounting on NS 35...		black/orange				
Disconnect terminal block, for mounting on NS 35...		gray				
With test socket screws		gray				
Knife disconnect terminal block, for mounting on NS 35...		gray				
With test socket screws		gray				
Terminal block, with integrated diode, conducting from left to right		gray				
Terminal block, with integrated diode, conducting from right to left		gray				

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-PE/HEDI		**3074004**	50

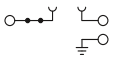
Accessories

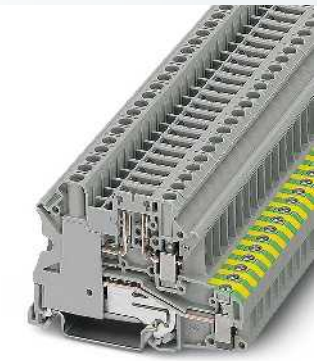
Plug-in bridge						
	2	red	**FBS 2-6**	32 A	**3030336**	50
	20	red	**FBS 20-6**	32 A	**3030365**	10
Test plug metal part, 2.3 mm Ø						
Insulating sleeve, for MPS metal part		red				
Isolating plug[3])		orange				
Feed-through connector[3])		gray				
Component plug, labeled with ZBF 5 or UC-TMF 5[4])		gray				
Fuse plug, width 6.2 mm[5])		black				
Warning label, for UT series		yellow				
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10

Accessories

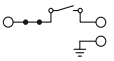
			FBS 2-6	32 A	**3030336**	50
			FBS 20-6	32 A	**3030365**	10
			SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

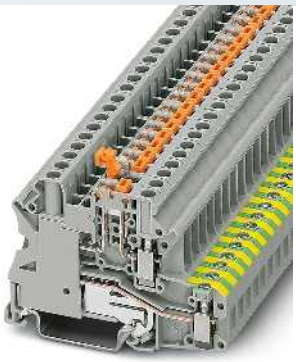
Lever labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Lateral groove labeling	**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**	**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**



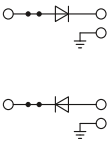


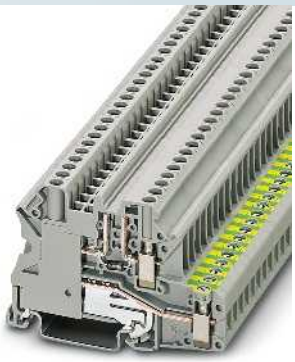
4 (6) mm², 20 A, disconnect terminal block with PE foot





4 (6) mm², 20 A, knife disconnect terminal block with PE foot





4 (6) mm², diode terminal block, with PE foot, test socket screw

Technical data

Width	Length	Height NS 35/7,5	
6.2	**70.8**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**500**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	-	-	-
20 / 2.5	- / -	-	-
4	-	-	-
26 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-PE/TG		**3070024**	50
UT 4-PE/TG P/P		**3070037**	50

Accessories

FBS 2-6	32 A	**3030336**	50
FBS 20-6	32 A	**3030365**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
WS UT 4		**3047332**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**70.8**	**49.1**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**500**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	-	-	-
20 / 2.5	- / -	-	-
4	-	-	-
26 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.25 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-PE/MT		**3070011**	50
UT 4-PE/MT P/P		**3046140**	50

Accessories

FBS 2-6	32 A	**3030336**	50
FBS 20-6	32 A	**3030365**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
WS UT 4		**3047332**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**70.8**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	500	**0.14 - 6**	**26 - 10**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	-	-
0.5[1]) / 1	0.5 / -	-	-
4	-	-	-
26 - 10	26-10	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-PE/L-DIO/L-R P/P		**3046834**	50
UT 4-PE/L-DIO/R-L P/P		**3046235**	50

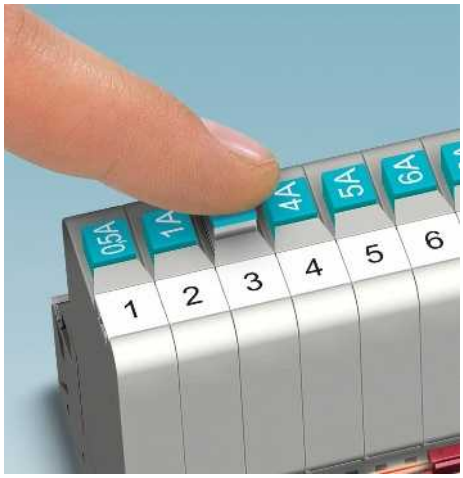
Accessories

FBS 2-6	32 A	**3030336**	50
FBS 20-6	32 A	**3030365**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
WS UT 4		**3047332**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

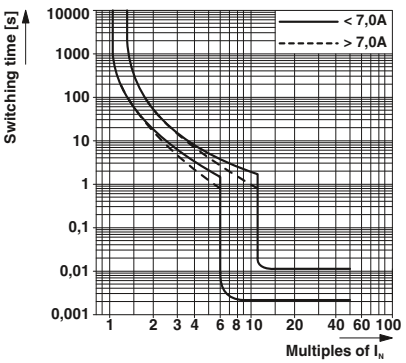
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

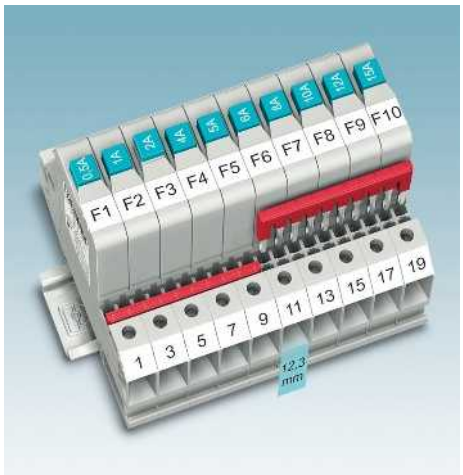
UT 6-TMC ... thermomagnetic circuit breakers





– Thermomagnetic circuit breakers feature a compact design, large-surface labeling options, and a double plug-in bridge shaft
– High level of system availability thanks to their reclosure function and clear status display
– Eleven nominal current levels can be selected from 0.5 A to 16 A
– Clear assignment of the relevant circuit breaker thanks to the large center labeling area





Trigger characteristic

– A complete data sheet is available to download for each product at **www.phoenixcontact.net/products**
– Further circuit breakers can be found in Catalog 6 "Surge protection and power supplies"

– They can be integrated into the CLIPLINE complete system via the plug-in bridge shaft
– 12.3 mm compact design

Notes:

[1]) Depending on the selected item version.

[2]) Please note the influence of the ambient temperature. For example calculation, see data sheet.

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
Operating data	
Nominal voltage	
Nominal voltage	
Nominal current	
Switch-off time	
Switching capacity I_{CN}	
UT 6-TMC ... 0.5 A - UT 6-TMC ... 16 A	
Service life	
Cycles with 1 x I_N	
General data	
Temperature range	[°C]
Insulating material	
Inflammability class according to UL 94	

Description	Nominal current	Color
Thermomagnetic circuit breaker, for mounting on NS 35...	0.5 A[1])	gray
	1 A	gray
	2 A	gray
	4 A	gray
	5 A	gray
	6 A	gray
	8 A	gray
	10 A	gray
	12 A	gray
	15 A	gray
	16 A	gray
Plug-in bridge		
	2	red
	3	red
	4	red
	5	red
	10	red
	20	red
Warning label, for UT series		yellow
Screwdriver		
Lateral groove labeling		



6 (10) mm², thermomagnetic circuit breaker

Technical data

Width	Length	Height NS 35/7,5	
12.3			
	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	240	**0.2 - 10**	**24 - 8**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
240	-	-	-
0.5[1]) / 6	-	-	-
6	-	-	-
24 - 8	-	-	-

solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4

240 V AC
28 V DC
Dependent on the article variant selected
See trigger characteristic; for correction factors, see data sheet

200 A / 400 A

6000

-30 ... 60[2])
PA66
V0

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 6-TMC M 0,5A		**0916603**	6
UT 6-TMC M 1A		**0916604**	6
UT 6-TMC M 2A		**0916605**	6
UT 6-TMC M 4A		**0916606**	6
UT 6-TMC M 5A		**0916607**	6
UT 6-TMC M 6A		**0916608**	6
UT 6-TMC M 8A		**0916609**	6
UT 6-TMC M 10A		**0916610**	6
UT 6-TMC M 12A		**0916611**	6
UT 6-TMC M 15A		**0916612**	6
UT 6-TMC M 16A		**0916613**	6

Accessories

FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
WS UT 6		**3047345**	10
SZS 1,0X4,0 VDE		**1205066**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

UT ...-TG disconnect terminal blocks for accommodating function plugs

– For corresponding function plugs, see page 480

Notes:
For more plug-in bridges, see page 472..
[1]) The total current of all connected conductors must not exceed the max. load current.
[2]) If the fuse is faulty, the downstream circuit is not off load.
[3]) Observe max. load current.
[4]) Observe max. load current, depending on the power dissipation of the components. Max. 0.5 W with single arrangement.
[5]) Current and voltage are determined by the plug used.
[6]) The reducing bridge table should be followed, see page 476.



2.5 (4) mm², 20 A, disconnect terminal block



4 (6) mm², 20 A, disconnect terminal block

Technical data

Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**57.8**	**47.5**
Max. electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	20[5])	**400[5])**	**0.14 - 4**	**26 - 12**
Rated data	IEC 60947-7-1			
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[5])	300	300	-
Nominal current / cross section	[A] / [mm²]	20[5]) / 2.5	20 / -	16 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	26 - 12	26-12	26-12	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

	Width	Length	Height NS 35/7,5	
	6.2	**57.8**	**47.5**	
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	20[5])	**500[5])**	**0.14 - 6**	**26 - 10**
	IEC 60947-7-1			
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
	500[5])	600	600	-
	20[5]) / 2.5	16 / -	16 / -	-
	4	-	-	-
	26 - 10	26-10	26-10	-
	solid	stranded	Ferrule	
			Without / with plastic sleeve	
	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
				0.5 - 2.5
	9			
	M3			
	0.6 - 0.8			
	PA			
	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Disconnect terminal block, for mounting on NS 35...		gray	**UT 2,5-TG**		**3046388**	50
		blue	**UT 2,5-TG BU**		**3046579**	50
With test socket screws		gray	**UT 2,5-TG-P/P**		**3046391**	50
		blue	**UT 2,5-TG-P/P BU**		**3046582**	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-TG		**3046142**	50
UT 4-TG BU		**3073283**	50
UT 4-TG-P/P		**3046168**	50
UT 4-TG-P/P BU		**3073296**	50

Accessories

Cover, width 2.2 mm		gray	**D-UT 2,5/4-TWIN**		**3047141**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray	**DS-UT 2,5/4**		**3047109**	50
Plug-in bridge						
	2	red	**FBS 2-5**	20 A	**3030161**	50
	3	red	**FBS 3-5**	20 A	**3030174**	50
	5	red	**FBS 5-5**	20 A	**3030190**	50
	10	red	**FBS 10-5**	20 A	**3030213**	10
	20	red	**FBS 20-5**	20 A	**3030226**	10
Reducing bridge[6])						
	2	red				
Reducing bridge[6])						
	2	red				
Partition plate, 2.2 mm wide		gray	**ATP-UT-TWIN**		**3047183**	50
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Isolating plug[3])		orange	**P-DI**		**3036783**	50
Feed-through connector[3])		gray	**P-FIX**		**3038956**	50
Component plug, labeled with ZBF 5 or UC-TMF 5[4])		gray	**P-CO**		**3036796**	10
Fuse plug, width 5.2 mm²)		black	**P-FU 5X20-5**		**3209235**	10
Width 6.2 mm		black				
Width 8.2 mm		black				
Warning label, for UT series		yellow	**WS UT 2,5**		**3047923**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10

Accessories

ATP-UT-TWIN		**3047183**	50	
MPS-MT		**0201744**	10	
MPS-IH RD		**0201676**	10	
P-DI		**3036783**	50	
P-FIX		**3038956**	50	
P-CO		**3036796**	10	
P-FU 5X20		**3036806**	10	
WS UT 4		**3047332**	10	
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10	

Lateral groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**	**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**



4 (6) mm², 20 A, disconnect terminal block, 3 connections



4 (6) mm², 20 A, disconnect terminal block, 4 connections



6 (10) mm², 20 A, disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**65.4**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[1])	**500[5])**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500[5])	300	300	-
20[5]) / 2.5	20 / -	16 / -	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-TWIN-TG		**3046595**	50
UT 4-TWIN-TG BU		**3073034**	50
UT 4-TWIN-TG P/P		**3046605**	50
UT 4-TWIN-TG P/P BU		**3073047**	50

Accessories

D-UT 2,5/4-QUATTRO		**3047170**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-6	20 A	**3030336**	50
FBS 3-6	20 A	**3030242**	50
FBS 5-6	20 A	**3030349**	50
FBS 10-6	20 A	**3030271**	10
FBS 20-6	20 A	**3030365**	10
ATP-UT-QUATTRO		**3047196**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
WS UT 4		**3047332**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**65.4**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[1])	**500[5])**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500[5])	300	300	-
20[5]) / 2.5	20 / -	16 / -	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-QUATTRO-TG		**3064027**	50
UT 4-QUATTRO-TG BU		**3073076**	50
UT 4-QUATTRO-TG P/P		**3064030**	50
UT 4-QUATTRO-TG P/P BU		**3073089**	50

Accessories

D-UT 2,5/4-QUATTRO		**3047170**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-6	20 A	**3030336**	50
FBS 3-6	20 A	**3030242**	50
FBS 5-6	20 A	**3030349**	50
FBS 10-6	20 A	**3030271**	10
FBS 20-6	20 A	**3030365**	10
ATP-UT-QUATTRO		**3047196**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
WS UT 4		**3047332**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**57.8**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[5])	**500[5])**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500[5])	600	600	-
20[5]) / 2.5	20 / -	16 / -	-
6	-	-	-
24 - 8	24-8	24-8	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 6-TG		**3046485**	50
UT 6-TG BU		**3073856**	50
UT 6-TG P/P		**3073869**	50
UT 6-TG P/P BU		**3073872**	50

Accessories

FBS 2-8	20 A	**3030284**	10
FBS 3-8	20 A	**3030297**	10
FBS 5-8	20 A	**3030310**	10
FBS 10-8	20 A	**3030323**	10
RB UT 6-(2,5/4)		**3047251**	10
RB UT 6-ST(2,5/4)		**3047264**	10
ATP-UT-TWIN		**3047183**	50
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
P-FU 6,3X32		**3046498**	10
WS UT 6		**3047345**	10
SZS 1,0X4,0 VDE		**1205066**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

UT ...-MT knife disconnect terminal blocks

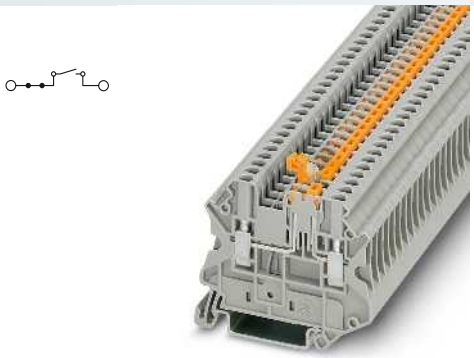
– Compact design and high current-carrying capacity of 20 A
– Double bridge shaft enables individual potential distribution and supply
– For UT ...-MTD feed-through terminal blocks of the same shape, see page 62

Notes:

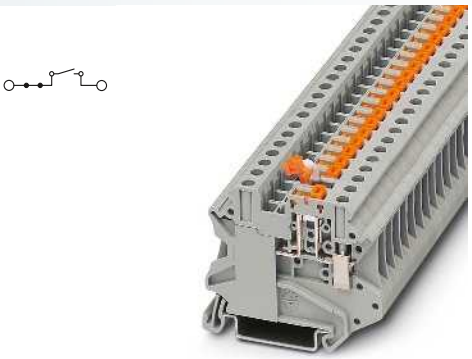
[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) The reducing bridge table should be followed, see page 476.

[3]) Also see page 480.



2.5 (4) mm², 20 A, knife disconnect terminal block



4 (6) mm², 20 A, knife disconnect terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**57.8**	**49.1**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		20	**400**	**0.14 - 4**	**26 - 12**
Rated data		IEC 60947-7-1			
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	16 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	26 - 12	26-12	26-12	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**57.8**	**49.1**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		20	**500**	**0.14 - 6**	**26 - 10**
Rated data		IEC 60947-7-1			
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	16 / -	16 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	26 - 10	26-10	26-10	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, for mounting on NS 35...		gray	**UT 2,5-MT**		**3046362**	50
		blue	**UT 2,5-MT BU**		**3046553**	50
With test socket screws		gray	**UT 2,5-MT-P/P**		**3046375**	50
		blue	**UT 2,5-MT P/P BU**		**3046566**	50

Ordering data

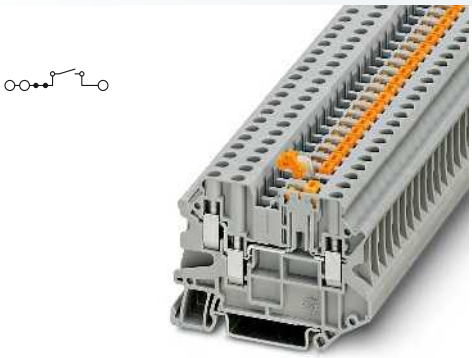
Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-MT		**3046139**	50
UT 4-MT BU		**3046278**	50
UT 4-MT-P/P		**3046171**	50
UT 4-MT-P/P BU		**3046265**	50

Accessories

Cover, width 2.2 mm		gray	**D-UT 2,5/4-TWIN**		**3047141**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray	**DS-UT 2,5/4**		**3047109**	50
Plug-in bridge						
	2	red	**FBS 2-5**	20 A	**3030161**	50
	3	red	**FBS 3-5**	20 A	**3030174**	50
	4	red	**FBS 4-5**	20 A	**3030187**	50
	5	red	**FBS 5-5**	20 A	**3030190**	50
	10	red	**FBS 10-5**	20 A	**3030213**	10
	20	red	**FBS 20-5**	20 A	**3030226**	10
Reducing bridge[2])						
	2	red				
Reducing bridge[2])						
	2	red				
Switching lock, plug-in[3])		white	**S-MT**		**3247954**	50
Partition plate, 2.2 mm wide		gray	**ATP-UT-TWIN**		**3047183**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Warning label, for UT series		yellow	**WS UT 2,5**		**3047923**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			

Accessories

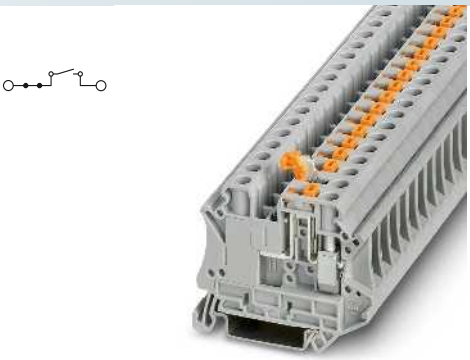
S-MT		**3247954**	50
ATP-UT-TWIN		**3047183**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)			



4 (6) mm², 20 A, knife disconnect terminal block, 3 connections



4 (6) mm², 20 A, knife disconnect terminal block, 4 connections



6 (10) mm², 20 A, knife disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**65.4**	**49.1**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[1])	**500**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
20[1]) / 2.5	20 / -	16 / -	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-TWIN-MT		**3046003**	50
UT 4-TWIN-MT BU		**3073018**	50
UT 4-TWIN-MT P/P		**3064014**	50
UT 4-TWIN-MT P/P BU		**3073021**	50

Accessories

D-UT 2,5/4-QUATTRO		**3047170**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-6	20 A	**3030336**	50
FBS 3-6	20 A	**3030242**	50
FBS 4-6	20 A	**3030255**	50
FBS 5-6	20 A	**3030349**	50
FBS 10-6	20 A	**3030271**	10
FBS 20-6	20 A	**3030365**	10
S-MT		**3247954**	50
ATP-UT-QUATTRO		**3047196**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**65.4**	**49.1**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[1])	**500**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
20[1]) / 2.5	20 / -	16 / -	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-QUATTRO-MT		**3064043**	50
UT 4-QUATTRO-MT BU		**3073050**	50
UT 4-QUATTRO-MT P/P		**3064056**	50
UT 4-QUATTRO-MT P/P BU		**3073063**	50

Accessories

D-UT 2,5/4-QUATTRO		**3047170**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-6	20 A	**3030336**	50
FBS 3-6	20 A	**3030242**	50
FBS 4-6	20 A	**3030255**	50
FBS 5-6	20 A	**3030349**	50
FBS 10-6	20 A	**3030271**	10
FBS 20-6	20 A	**3030365**	10
S-MT		**3247954**	50
ATP-UT-QUATTRO		**3047196**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**57.8**	**49.1**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**500**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
20 / 2.5	20 / -	16 / -	-
6	-	-	-
24 - 8	24-8	24-8	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 6-MT		**3064069**	50
UT 6-MT BU		**3073267**	50
UT 6-MT P/P		**3064072**	50
UT 6-MT P/P BU		**3073270**	50

Accessories

FBS 2-8	20 A	**3030284**	10
FBS 3-8	20 A	**3030297**	10
FBS 4-8	20 A	**3030307**	10
FBS 5-8	20 A	**3030310**	10
FBS 10-8	20 A	**3030323**	10
RB UT 6-(2,5/4)		**3047251**	10
RB UT 6-ST(2,5/4)		**3047264**	10
S-MT		**3247954**	50
ATP-UT-TWIN		**3047183**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
WS UT 6		**3047345**	10
SZS 1,0X4,0 VDE		**1205066**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

UT 2,5-MTD–... feed-through and diode terminal blocks of the same shape



UT 2,5-MTD and UT 2,5-MTD-PE

– Feed-through and PE terminal blocks enable terminal strips of the same shape to be set up with disconnect and knife disconnect terminal blocks
– The continuous labeling and bridging of terminal blocks is beneficial

UT 2,5-MTD-DIO...

– The component terminal blocks can be used for a multitude of switching tasks
– Versions with 1N 4007 diodes are available, conducting from left to right or from right to left

End cover segments

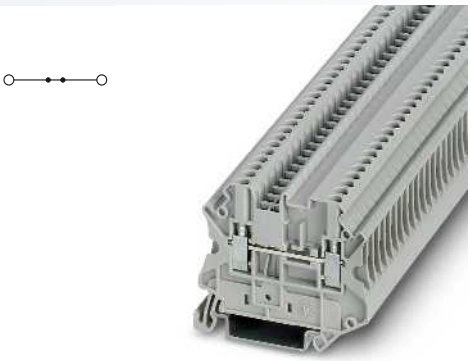
– If two-conductor terminal blocks are aligned on three or four-conductor terminal blocks, cover segments cover protruding parts
– Fingers are protected from contact



Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) The max. current is determined by the diode. Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A



2.5 (4) mm², 32 A, feed-through terminal block

Technical data

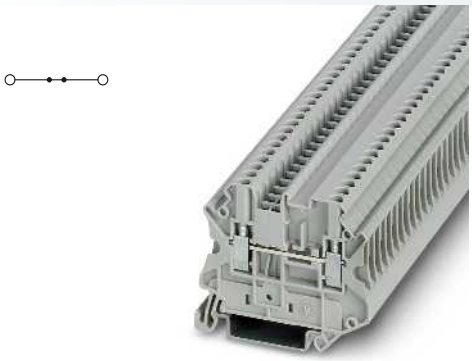
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**57.8**	**47.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		32	**800**	**0.14 - 4** / **26 - 12**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800	600	600 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	26 - 12	26-12	26-12 / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			0.5 - 1.5
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

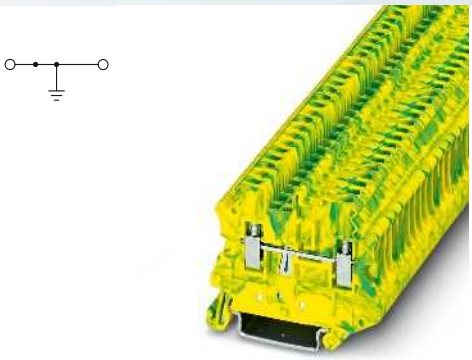
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Feed-through terminal block, for mounting on NS 35...		gray	**UT 2,5-MTD**		**3064085**	50
		blue	**UT 2,5-MTD BU**		**3064108**	50
Feed-through terminal block, with test socket screws, for mounting on NS 35...		gray				
		blue				
Ground terminal block, for mounting on NS 35...		green-yellow				
Terminal block, with integrated diode, conducting from left to right		gray				
Conducting from right to left		gray				

Accessories

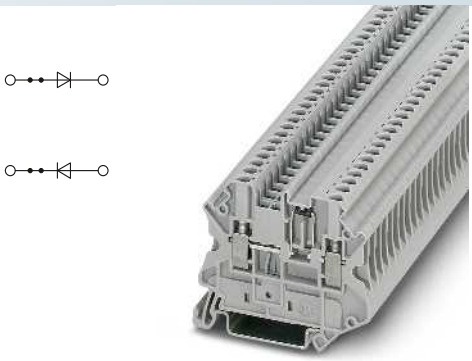
Cover, width 2.2 mm		gray	**D-UT 2,5/4-TWIN**		**3047141**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray	**DS-UT 2,5/4**		**3047109**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2.2 mm wide		gray	**ATP-UT-TWIN**		**3047183**	50
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Warning label, for UT series		yellow	**WS UT 2,5**		**3047923**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Center and lateral groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			



2.5 (4) mm², 32 A, feed-through terminal block, with test socket screw



2.5 (4) mm², ground terminal block



2.5 (4) mm², 0.5 A, diode terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	**57.8**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**630**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
630	600	600	-
24 / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 2,5-MTD P/P		**3064098**	50
UT 2,5-MTD P/P BU		**3064111**	50

Accessories

D-UT 2,5/4-TWIN		**3047141**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-UT-TWIN		**3047183**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WS UT 2,5		**3047923**	10
SZG 0,6X3,5 VDE		**1205121**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**57.8**	**47.5**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UT 2,5-MTD-PE	**3064124**	50

Accessories

D-UT 2,5/4-TWIN		**3047141**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-UT-TWIN		**3047183**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WS UT 2,5		**3047923**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**57.8**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
0.5[1])	**800**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
0.5[1]) / 1	0.5 / -	0.5 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 2,5-MTD-DIO/L-R		**3064137**	50
UT 2,5-MTD-DIO/R-L		**3064140**	50

Accessories

D-UT 2,5/4-TWIN		**3047141**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-UT-TWIN		**3047183**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WS UT 2,5		**3047923**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

UT 4-MTD-... feed-through and diode terminal blocks of the same shape



UT 4-MTD and UT 4-MTD-PE

– Feed-through and PE terminal blocks enable terminal strips of the same shape to be set up with disconnect and knife disconnect terminal blocks
– The continuous labeling and bridging of terminal blocks is beneficial

UT 4-MTD-DIO...

– The component terminal blocks can be used for a multitude of switching tasks
– Versions with 1N 4007 diodes are available, conducting from left to right or from right to left

End cover segments

– If two-conductor terminal blocks are aligned on three or four-conductor terminal blocks, cover segments cover protruding parts
– Fingers are protected from contact

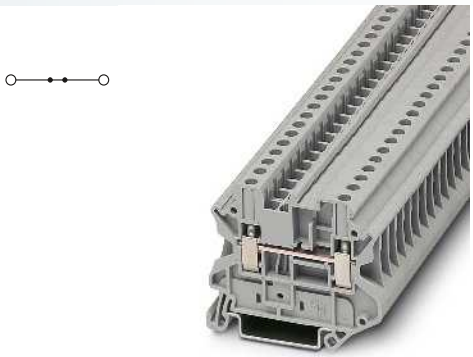


Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) The max. current is determined by the diode Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A

[2]) For installation notes on the use of accessories for Ex e applications, see page 710.



4 (6) mm², 41 A, feed-through terminal block

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data

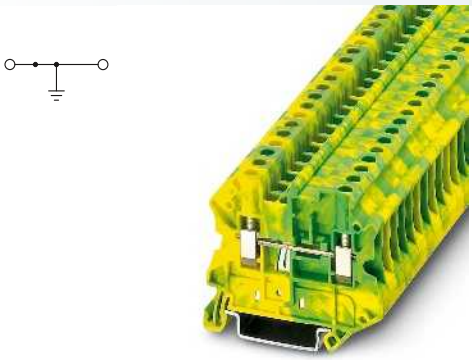
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**57.8**	**47.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		41	**800**	**0.14 - 6** / **26 - 10**
Rated data		IEC 60947-7-1 / IEC	UL/CUL	CSA	Ex / IEC/EN 60079-7
Rated voltage	[V]	800	600	600	690
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / -	29 / 4 // 36 / 6
Rated cross section	[mm²]	4	-	-	4
Cross section range	AWG	26 - 10	26-10	26-10	26 - 10
Connection capacity		solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

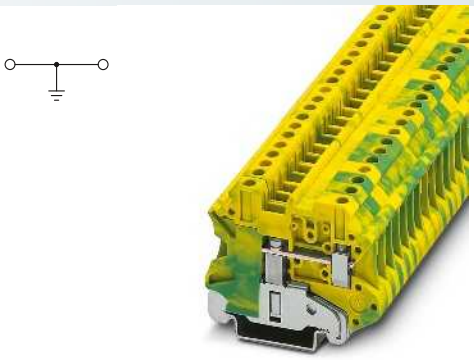
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Feed-through terminal block, for mounting on NS 35...		gray	**UT 4-MTD**		**3046184**	50
		blue	**UT 4-MTD BU**		**3046197**	50
Ground terminal block, for mounting on NS 35..., with snap-on foot		green-yellow				
With screw foot		green-yellow				
Terminal block, with integrated diode, conducting from left to right		gray				
Conducting from right to left		gray				

Accessories[2])

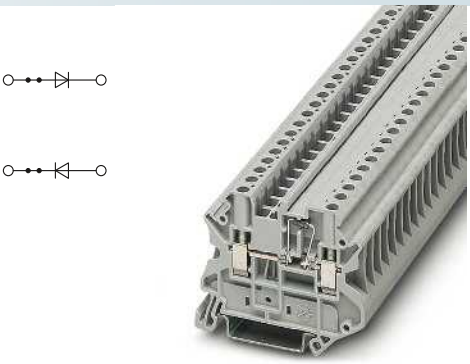
Cover, width 2.2 mm		gray	**D-UT 2,5/4-TWIN**		**3047141**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray	**DS-UT 2,5/4**		**3047109**	50
Plug-in bridge						
	2	red	**FBS 2-6**	32 A	**3030336**	50
	3	red	**FBS 3-6**	32 A	**3030242**	50
	4	red	**FBS 4-6**	32 A	**3030255**	50
	5	red	**FBS 5-6**	32 A	**3030349**	50
	10	red	**FBS 10-6**	32 A	**3030271**	10
	20	red	**FBS 20-6**	32 A	**3030365**	10
Partition plate, 2.2 mm wide		gray	**ATP-UT-TWIN**		**3047183**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-6**		**3030996**	10
Warning label, for UT series		yellow	**WS UT 4**		**3047332**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Center and lateral groove labeling			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**			



4 (6) mm², ground terminal block



4 (6) mm², feed-through terminal block, with screw PE foot



4 (6) mm², 0.5 A, diode terminal block

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**57.8**	**47.5**	
		max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	4
26 - 10	26-10	26-10	26 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UT 4-MTD-PE	**3046223**	50

Accessories²)

D-UT 2,5/4-TWIN	**3047141**	50
DS-UT 2,5/4	**3047109**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-UT-TWIN	**3047183**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
WS UT 4	**3047332**	10
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**57.8**	**47.5**	
		max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	4
26 - 10	26-10	26-10	26 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UT 4-MTD-PE/S	**3046207**	50

Accessories²)

ATP-UT-TWIN	**3047183**	50
WS UT 4	**3047332**	10
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**57.8**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
0.5¹)	**800**	**0.14 - 6**	**26 - 10**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
0.5¹) / 1	0.5 / -	1 / -	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-MTD-DIO/L-R		**3046210**	50
UT 4-MTD-DIO/R-L		**3046236**	50

Accessories²)

D-UT 2,5/4-TWIN		**3047141**	50
DS-UT 2,5/4		**3047109**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT-TWIN		**3047183**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

UTTB 4...-TG/-MT double-level knife disconnect terminal blocks



- Same shape as UTTB ... double-level feed-through terminal blocks
- In the standardized disconnect zone in the upper level, an isolating plug, component plug or fuse plug for 5 x 20 mm glass tube fuses can beused as an alternative
- Double function shaft in lower level
- Loop in measurement equipment via connection screws with integrated test socket
- Interrupt-free voltage and current measurement on both levels

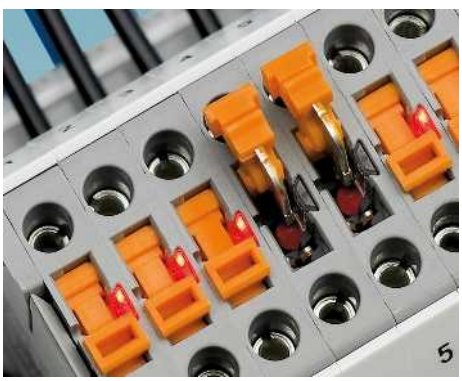
UTTB 4-MT...LA...

- LED version for signaling the switching states

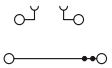
Offset levels

Offset levels provide:

- Unobstructed access to the lower connection level if fully wired
- Better view of the lower labeling signs and conductor entry funnel



Notes:
1) Observe max. load current.
2) Observe max. load current, depending on the power dissipation of the components. Max. 0.5 W with single arrangement.
3) For max. power dissipation, see page 724.
4) Current and voltage are determined by the plug used.
5) Lower level
6) Also see page 480.





4 (6) mm², 20 A, double-level terminal block with disconnect zone

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	6.2	69.9	65	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		38[5]	500[4]	0.14 - 6	26 - 10
Rated data, lower level		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[4]	300	300	-
Nominal current / cross section	[A] / [mm²]	30[4]) / 4	30 / -	30 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	26 - 10	26-10	26-10	-
Rated data, upper level		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	16 / -	5 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	26 - 10	26-10	26-10	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

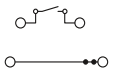
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Disconnect terminal block, for mounting on NS 35...		gray	**UTTB 4-TG**		**3044720**	50
Knife disconnect terminal block, for mounting on NS 35...		gray				
With test socket screws		gray				
Knife disconnect terminal block, for assembly on NS 35..., with light indicator for 12 - 30 V DC, 0.7 - 2.4 mA		gray				

Accessories

Cover, width 2.2 mm		gray	**D-UTTB 2,5/4**		**3047293**	50
Spacer plate, compensates for level offsets, width 2.5 mm		gray	**DP-UTTB 2,5/4**		**3047303**	50
Plug-in bridge						
	2	red	**FBS 2-6**	30 A	**3030336**	50
	3	red	**FBS 3-6**	30 A	**3030242**	50
	4	red	**FBS 4-6**	30 A	**3030255**	50
	5	red	**FBS 5-6**	30 A	**3030349**	50
	10	red	**FBS 10-6**	30 A	**3030271**	10
	20	red	**FBS 20-6**	30 A	**3030365**	10
Switching lock, plug-in[6])		white				
Partition plate, 2.2 mm wide		gray	**ATP-UTTB 2,5/4**		**3047316**	50
Isolating plug[1])		orange	**P-DI**		**3036783**	50
Feed-through connector[1])		gray	**P-FIX**		**3038956**	50
Component plug, labeled with ZBF 5 or UC-TMF 5[2])		gray	**P-CO**		**3036796**	10
Fuse plug, width 6.2 mm[3])		black	**P-FU 5X20**		**3036806**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10

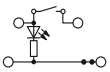
Lateral groove labeling

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)





4 (6) mm², 20 A, double-level knife disconnect terminal block





4 (6) mm², 20 A, double-level knife disconnect terminal block, with LED, test socket screw

Technical data

Width	Length	Height NS 35/7,5	
6.2	**69.9**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
38[5])	**500**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
30 / 4	30 / -	30 / -	-
4	-	-	-
26 - 10	26-10	26-10	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
20 / 2.5	16 / -	5 / -	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UTTB 4-MT		**3044775**	50
UTTB 4-MT P/P		**3044762**	50

Accessories

D-UTTB 2,5/4		**3047293**	50
DP-UTTB 2,5/4		**3047303**	50
FBS 2-6	30 A	**3030336**	50
FBS 3-6	30 A	**3030242**	50
FBS 4-6	30 A	**3030255**	50
FBS 5-6	30 A	**3030349**	50
FBS 10-6	30 A	**3030271**	10
FBS 20-6	30 A	**3030365**	10
S-MT		**3247954**	50
ATP-UTTB 2,5/4		**3047316**	50
SZG 0,6X3,5 VDE		**1205121**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**69.9**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
38[5])	**24**	**0.14 - 6**	**26 - 10**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
24	300	24	-
30 / 4	30 / -	30 / -	-
4	-	-	-
26 - 10	26-10	26-10	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
24	300	24	-
20 / 2.5	16 / -	5 / -	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	- 0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

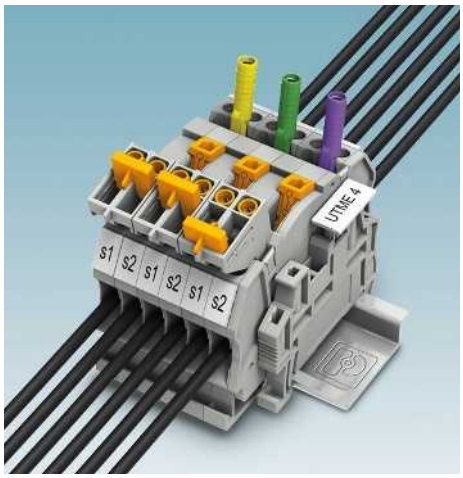
Type	I_{max}	Order No.	Pcs. / Pkt.
UTTB 4-MT P/P LA 24 RD/O-U		**3046773**	50

Accessories

D-UTTB 2,5/4		**3047293**	50
DP-UTTB 2,5/4		**3047303**	50
FBS 2-6	30 A	**3030336**	50
FBS 3-6	30 A	**3030242**	50
FBS 4-6	30 A	**3030255**	50
FBS 5-6	30 A	**3030349**	50
FBS 10-6	30 A	**3030271**	10
FBS 20-6	30 A	**3030365**	10
S-MT		**3247954**	50
ATP-UTTB 2,5/4		**3047316**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

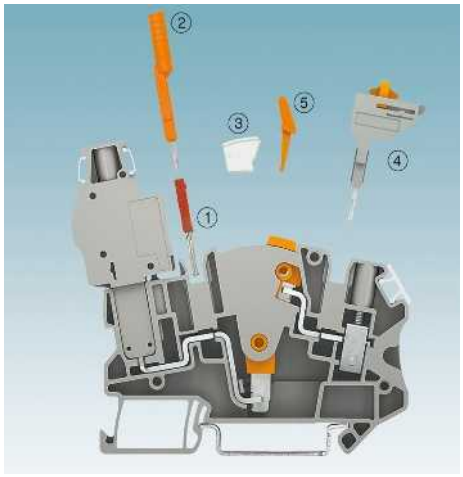
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

UTME ... screw connection - test disconnect, feed-through, and ground terminal blocks



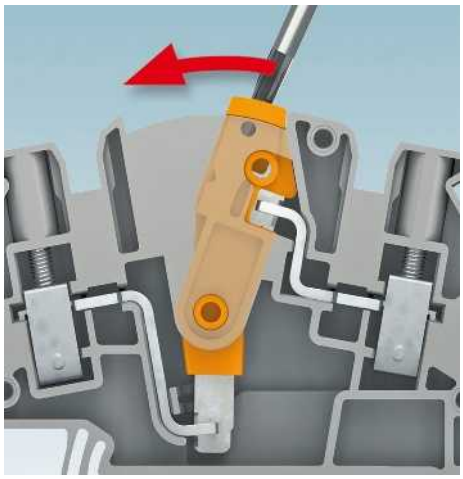
The latest generation of test disconnect terminal blocks with screw connection technology offer the following features:

- Compact design
- Easy operation
- Two function shafts
- Clear arrangement
- Flexible and comprehensive accessories
- Feed-through and ground terminal blocks of the same shape are available

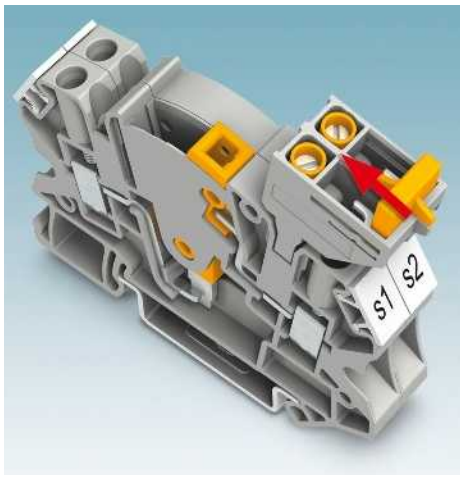


- Only two UTME 4 test disconnect terminal blocks are required for a current transformer measuring circuit
- Less space required compared to creating circuits with slide-type terminal blocks

① FBS... plug-in bridge for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 4 switching lock
④ SB-ME... switching jumper
⑤ C-ME 4/2 connection bridge



- Reliable contacting and latching of the longitudinal isolating switch in the relevant switching state
- Clear selection thanks to printed switching symbols
- Unintentional switching prevented by means of optional switching lock
- Two or three switches can be actuated at the same time using a connection bridge

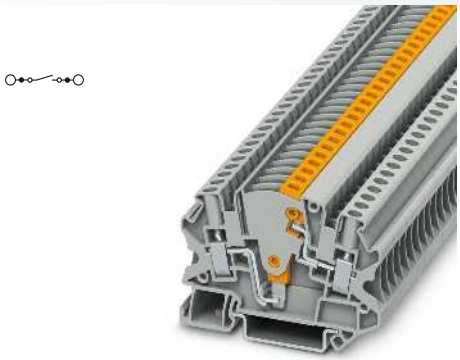


- SB-ME ... switching jumpers can be positioned and latched on both sides of the disconnect point in the bridge shaft
- Reliably snapped into the end positions
- Contact made via screw terminal points

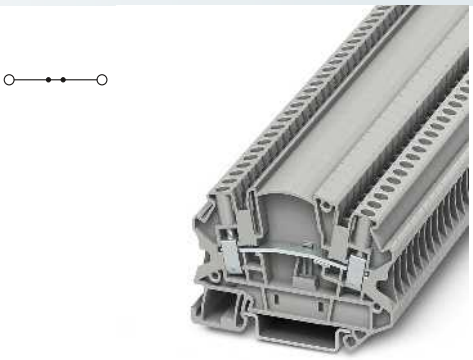
Notes:
For current carrying capacity of DIN rails, see page 716.
For further plug-in bridges, see page 472.
For further test adapters, see page 479.

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Inflammability class according to UL 94	

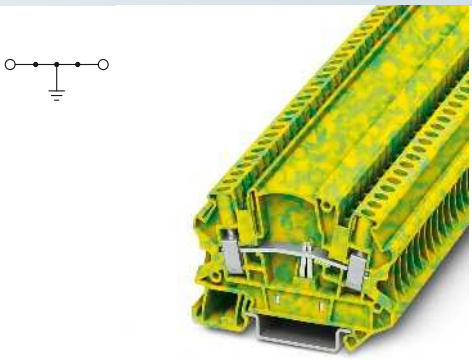
Description	No. of pos.	Color
Test disconnect terminal block, for mounting on NS 35		gray
With test socket screws		gray
With test socket screws		blue
Feed-through terminal block, for mounting on NS 35...		gray
Ground terminal block, for mounting on NS 35...		green-yellow
Cover, width 2.2 mm		gray
Switching jumper, plug-in		
	2	gray/orange
	3	gray/orange
	4	gray/orange
Plug-in bridge		
	2	red
	3	red
	4	red
	5	red
	20	red
Switching lock, plug-in		white
Connection bridge, for connecting two test disconnect terminal blocks		orange
3-pos.		orange
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft		orange
		yellow
		green
		violet
		black
Modular test plug, for the individual assembly of test plug strips		red
Screwdriver		
Lateral groove labeling		



4 (6) mm², 28 A, test disconnect terminal block



4 (6) mm², 28 A, feed-through terminal block, same shape



4 (6) mm², ground terminal block, same shape

Technical data

Width	Length	Height NS 35/7,5	
6.2	**66**	**49.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
28	**500**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
28 / 4	25 / -	25	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5

9	
M3	
0.6 - 0.8	
PA	
V0	

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UTME 4		**3047452**	50
UTME 4-P/P		**3047453**	50
UTME 4-P/P BU		**3047454**	50

Accessories

D-UTME 4		**3047491**	10
SB-ME 2-6	25 A	**3035755**	10
SB-ME 3-6	25 A	**3035756**	10
SB-ME 4-6	25 A	**3035757**	10
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 20-6	32 A	**3030365**	10
S-ME 4		**3035758**	10
C-ME 4/2		**3035759**	10
C-ME 4/3		**3035760**	10
PAI-4-FIX-5/6 OG		**3035974**	10
PAI-4-FIX-5/6 YE		**3035977**	10
PAI-4-FIX-5/6 GN		**3035978**	10
PAI-4-FIX-5/6 VT		**3035979**	10
PAI-4-FIX-5/6 BK		**3035980**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**66**	**47.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**500**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
32 / 4	25 / -	25	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5

9	
M3	
0.6 - 0.8	
PA	
V0	

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UTMED 4		**3047465**	50

Accessories

D-UTME 4		**3047491**	10
SB-ME 2-6	25 A	**3035755**	10
SB-ME 3-6	25 A	**3035756**	10
SB-ME 4-6	25 A	**3035757**	10
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 20-6	32 A	**3030365**	10
PAI-4-FIX-5/6 OG		**3035974**	10
PAI-4-FIX-5/6 YE		**3035977**	10
PAI-4-FIX-5/6 GN		**3035978**	10
PAI-4-FIX-5/6 VT		**3035979**	10
PAI-4-FIX-5/6 BK		**3035980**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**66**	**47.7**	
		max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5

9	
M3	
0.6 - 0.8	
PA	
V0	

Ordering data

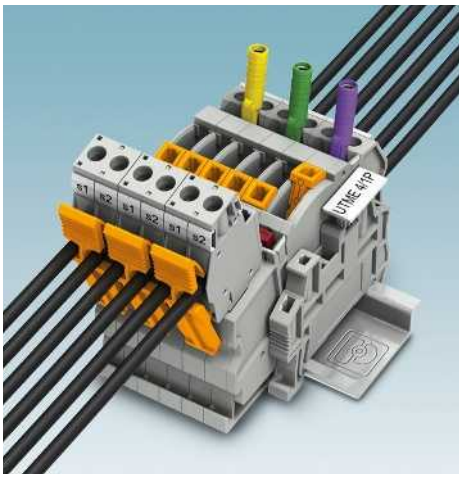
Type	Order No.	Pcs. / Pkt.
UTMED 4-PE	**3047478**	50

Accessories

D-UTME 4		**3047491**	10
SB-ME 2-6	25 A	**3035755**	10
SB-ME 3-6	25 A	**3035756**	10
SB-ME 4-6	25 A	**3035757**	10
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 20-6	32 A	**3030365**	10
PAI-4-FIX-5/6 OG		**3035974**	10
PAI-4-FIX-5/6 YE		**3035977**	10
PAI-4-FIX-5/6 GN		**3035978**	10
PAI-4-FIX-5/6 VT		**3035979**	10
PAI-4-FIX-5/6 BK		**3035980**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

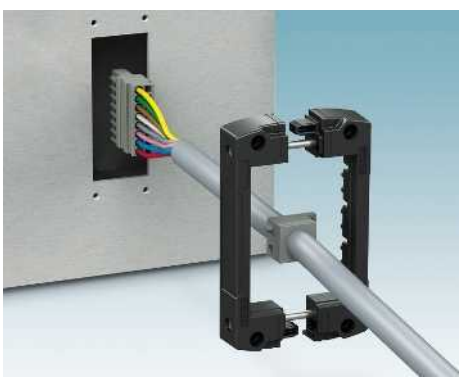
UTME 4/1P plug-in test disconnect terminal blocks



- The COMBI system offers the highest levels of protection for users, as both the basic terminal blocks and the plugs are touch proof. Alongside the safety aspect, this offers great flexibility for configuration work: the supply may be routed via the terminal blocks or the plugs
- Thanks to the straightforward, custom coding option, wiring reliability is increased and incorrect connections are avoided
- Strain relief can be snapped on
- Latching fixes connectors to basic terminal blocks

Cable entry system

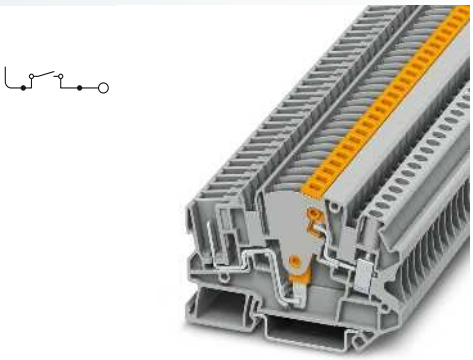
- The CES cable entry system (see Catalog 4) enables the easy and space-saving installation of pre-assembled cables with IP54/IP65 protection in the control cabinet, see figure below



Notes:

For corresponding AP-ME and AH-ME terminal strip covers, see Catalog 5.

[1]) For derating curve, visit www.phoenixcontact.net/products



4 (6) mm², 28 A, test disconnect terminal block

Technical data

Dimensions			
	[mm]		
Width	Length	Height NS 35/7,5	
6.2	**71.1**	**49.5**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
28[1])	**500**	**0.14 - 6**	**26 - 10**
Rated data			
IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	28[1]) / 4	25 / -	25	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	26 - 10	26-10	26-10	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
Two conductors (of the same type) [mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 2.5
General data				
Stripping length [mm]	9			
Screw thread	M3			
Tightening torque [Nm]	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**UTME 4/1P**		**3057416**	50

Accessories

Cover, width 2.2 mm		gray	**D-UTME 4/1P**		**3057429**	10
Switching jumper, plug-in						
	2	gray/orange	**SB-ME 2-6**	28 A	**3035755**	10
	3	gray/orange	**SB-ME 3-6**	28 A	**3035756**	10
	4	gray/orange	**SB-ME 4-6**	28 A	**3035757**	10
Plug-in bridge						
	2	red	**FBS 2-6**	32 A	**3030336**	50
	3	red	**FBS 3-6**	32 A	**3030242**	50
	4	red	**FBS 4-6**	32 A	**3030255**	50
	5	red	**FBS 5-6**	32 A	**3030349**	50
	10	red	**FBS 10-6**	32 A	**3030271**	10
	20	red	**FBS 20-6**	32 A	**3030365**	10
Switching lock, plug-in		white	**S-ME 4**		**3035758**	10
Connection bridge, for connecting two test disconnect terminal blocks		orange	**C-ME 4/2**		**3035759**	10
3-pos.		orange	**C-ME 4/3**		**3035760**	10
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft		orange	**PAI-4-FIX-5/6 OG**		**3035974**	10
		yellow	**PAI-4-FIX-5/6 YE**		**3035977**	10
		green	**PAI-4-FIX-5/6 GN**		**3035978**	10
		violet	**PAI-4-FIX-5/6 VT**		**3035979**	10
		black	**PAI-4-FIX-5/6 BK**		**3035980**	10
		blue	**PAI-4-FIX-5/6 BU**		**3035975**	10
		red	**PAI-4-FIX-5/6 RD**		**3035976**	10
		gray	**PAI-4-FIX-5/6 GY**		**3035982**	10
		brown	**PAI-4-FIX-5/6 BN**		**3035981**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-6**		**3030996**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**		**3040588**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Lateral groove labeling			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**			

COMBI plugs with a screw connection

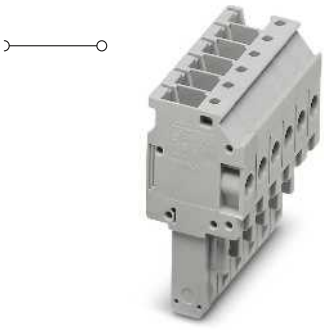
- Connector with two conductor connection directions
- UPBV... can be bridged
- Strain relief and connector latching can be snapped on as an option

Notes:

For self-assembly connectors, see page 410.

[1]) For derating curve, visit www.phoenixcontact.net/products

4 (6) mm², 32 A, plug, connection at a right angle to the plug-in direction, can be bridged



4 (6) mm², 32 A, plug, connection in plug-in direction, cannot be bridged

Technical data

Dimensions	Width	Length	Height	Height when plugged in
[mm]	**6.2 x No. of pos.**	**22**	**48.5**	**32.2**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	32[1])	**800**	**0.14 - 6**	**26 - 10**
Rated data	IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	800	600	600	-
Nominal current / cross section [A] / [mm²]	32[1]) / 4	30 / -	30	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	26 - 10	26-10	26-10	-
Connection capacity	solid	stranded	Ferrule	
			Without / with plastic sleeve	
1 conductor [mm²]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
Two conductors (of the same type) [mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 1
General data				
Stripping length [mm]	9			
Screw thread	M3			
Tightening torque [Nm]	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Technical data

Width	Length	Height	Height when plugged in	
6.2 x No. of pos.	**21**	**41.2**	**24.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
32[1])	**800**	**0.14 - 6**	**24 - 10**	
IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7	
800	600	600	-	
32[1]) / 4	30 / -	30	-	
4	-	-	-	
24 - 10	26-10	26-10	-	
solid	stranded	Ferrule		
		Without / with plastic sleeve		
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-	
			0.5 - 1.5	
9				
M3				
0.6 - 0.8				
PA				
V0				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
COMBI plug, with a screw connection						
	1	gray	**UPBV 4/ 1**		**3045800**	50
	2	gray	**UPBV 4/ 2**		**3045813**	50
	3	gray	**UPBV 4/ 3**		**3045826**	50
	4	gray	**UPBV 4/ 4**		**3045839**	50
	5	gray	**UPBV 4/ 5**		**3045842**	50
	6	gray	**UPBV 4/ 6**		**3045855**	25
	7	gray	**UPBV 4/ 7**		**3045868**	25
	8	gray	**UPBV 4/ 8**		**3045871**	25
	9	gray	**UPBV 4/ 9**		**3045884**	25
	10	gray	**UPBV 4/10**		**3045897**	25
	11	gray	**UPBV 4/11**		**3045907**	10
	12	gray	**UPBV 4/12**		**3045910**	10
	13	gray	**UPBV 4/13**		**3045923**	10
	14	gray	**UPBV 4/14**		**3045936**	10
	15	gray	**UPBV 4/15**		**3045949**	10
	1	blue	**UPBV 4/ 1 BU**		**3045266**	50
	1	green-yellow	**UPBV 4/ 1 GNYE**		**3045279**	50

Ordering data

Type	Order No.	Pcs. / Pkt.
UP 4/ 1	**3060115**	50
UP 4/ 2	**3060128**	50
UP 4/ 3	**3060131**	50
UP 4/ 4	**3060144**	50
UP 4/ 5	**3060157**	50
UP 4/ 6	**3060160**	25
UP 4/ 7	**3060173**	25
UP 4/ 8	**3060186**	25
UP 4/ 9	**3060199**	25
UP 4/10	**3060209**	25
UP 4/11	**3060212**	10
UP 4/12	**3060225**	10
UP 4/13	**3060238**	10
UP 4/14	**3060241**	10
UP 4/15	**3060254**	10
UP 4/ 1 BU	**3045282**	50
UP 4/ 1 GNYE	**3045295**	50

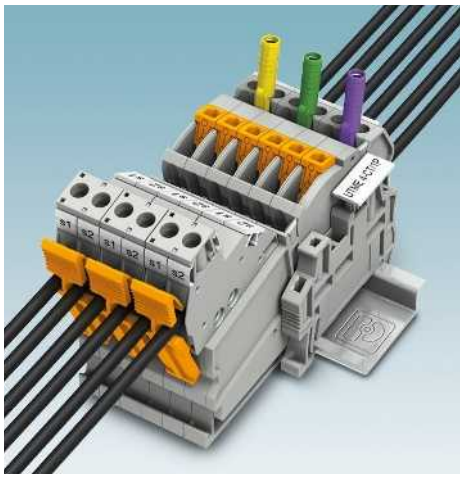
Accessories

Plug-in bridge						
	2	red	**FBS 2-6**	27 A	**3030336**	50
	3	red	**FBS 3-6**	27 A	**3030242**	50
	4	red	**FBS 4-6**	27 A	**3030255**	50
	5	red	**FBS 5-6**	27 A	**3030349**	50
	10	red	**FBS 10-6**	27 A	**3030271**	10
	20	red	**FBS 20-6**	27 A	**3030365**	10
Strain relief, for UPBV... connectors, 2-pos.		black	**UPZ/ 2**		**3045554**	50
Latching, for connectors, 1-pos.		orange				
2-pos.		orange	**UPR/ 2**		**3045567**	50
Latching and strain relief, for UPBV.... connectors, 2-pos.		orange	**UPRZ**		**3045570**	50
Lateral groove labeling			**UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)**			

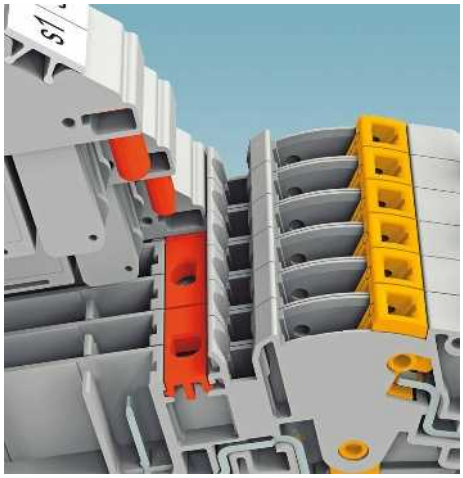
Accessories

PZ/2	**3040627**	50
PR	**3040559**	50
PR/2	**3040630**	50
PRZ	**3040614**	50
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)		

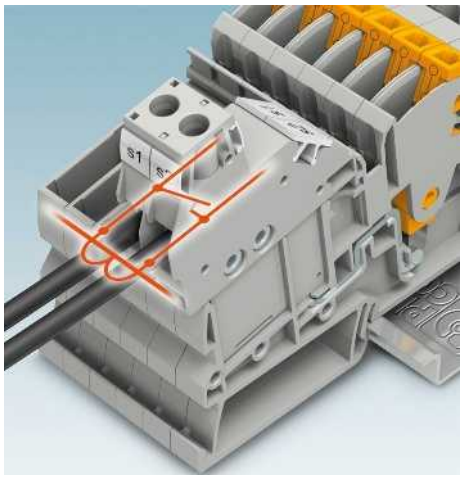
UTME 4–CT... plug-in current transformer disconnect terminal blocks with automatic short-circuit function



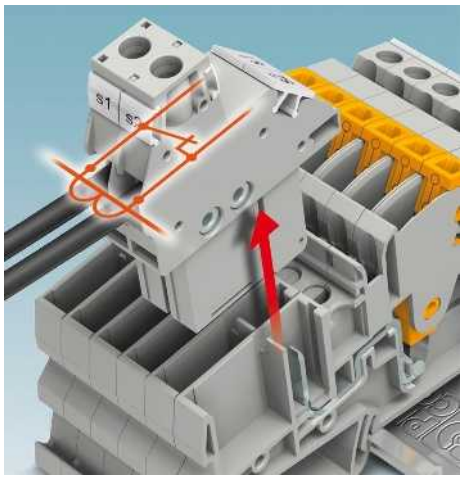
– The terminal block with patented short-circuit plug is particularly convenient and safe. If the connector is removed, an advanced short circuit occurs automatically.
– Connected measuring transducers are automatically protected against damage



Easy and safe coding
– Both connector versions can be reliably protected against polarity reversal using a snap-in coding profile
– The short-circuit plugs are available in a 2- and 3-pos. version
– Strain relief and connector latching can be snapped on as an option



Function:
– Connector inserted - no short circuit

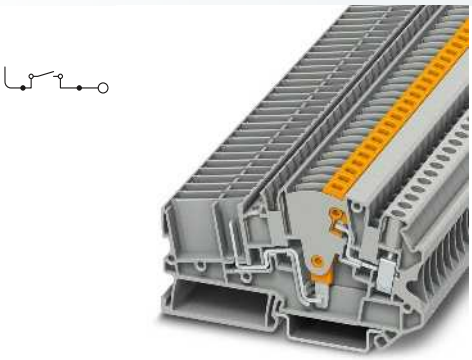


Function:
– Connector removed - automatic, leading short circuit

Notes:
For further test adapters, see page 479.
For corresponding AP-ME and AH-ME terminal strip covers, see Catalog 5.
[1]) For derating curve, visit www.phoenixcontact.net/products

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Inflammability class according to UL 94	

Description	No. of pos.	Color
Terminal block, for mounting on NS 35...		gray
COMBI plug, with integrated short-circuit function, 2-pos.		gray
3-pos.		gray
Cover, width 2.2 mm		gray
Plug-in bridge		
	2	red
	3	red
	4	red
	5	red
	10	red
	20	red
Switching lock, plug-in		white
Connection bridge, for connecting two test disconnect terminal blocks		orange
3-pos.		orange
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft		orange
		yellow
Modular test plug, for the individual assembly of test plug strips		red
Strain relief, for UPBV... connectors, 2-pos.		black
Coding profile, for 2-pos. plug		red
For 3-pos. plugs		red
Screwdriver		
Lateral groove labeling		
Lateral groove labeling		



4 (6) mm², 28 A, current transformer disconnect terminal block



4 (6) mm², 20 A, plug, with integrated short-circuit function, 2-pos.



4 (6) mm², 20 A, plug, with integrated short-circuit function, 3-pos.

Technical data

Width	Length	Height NS 35/7,5	
6.2	**86.5**	**49.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
28	**500**	**0.14 - 6**	**26 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
28[1]) / 4	25 / -	25	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UTME 4-CT/1P		**3057432**	50

Accessories

D-UTME 4-CT/1P		**3057445**	10
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
S-ME 4		**3035758**	10
C-ME 4/2		**3035759**	10
C-ME 4/3		**3035760**	10
PAI-4-FIX-5/6 OG		**3035974**	10
PAI-4-FIX-5/6 YE		**3035977**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
12.4	**38.5**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**320**	**0.14 - 6**	**26 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
320	300	300	-
20 / 4	25 / -	25	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UPCT 4/2	**3057461**	10

Accessories

UPZ/ 2	**3045554**	50
PC-CT/2	**3032855**	1
SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
18.6	**38.5**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**320**	**0.14 - 6**	**26 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
320	300	300	-
20 / 4	25 / -	25	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

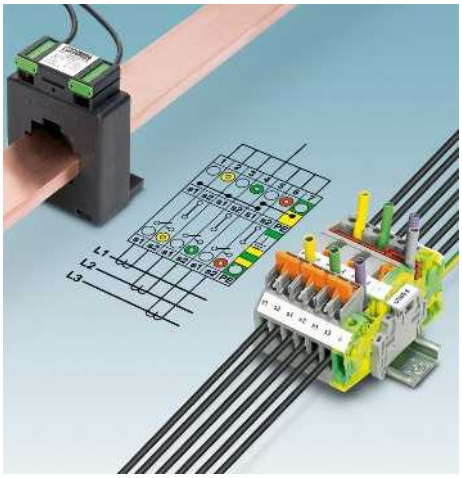
Type	Order No.	Pcs. / Pkt.
UPCT 4/3	**3057458**	10

Accessories

UPZ/ 2	**3045554**	50
PC-CT/3	**3032868**	1
SZF 1-0,6X3,5	**1204517**	10

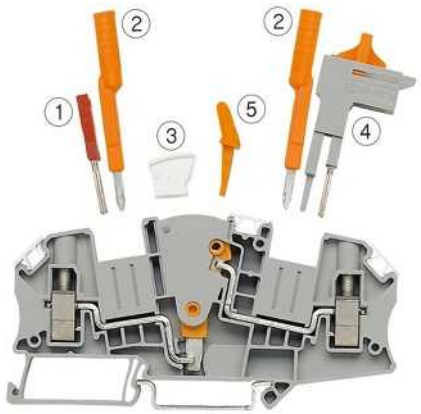
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

UTME 6 test disconnect terminal blocks



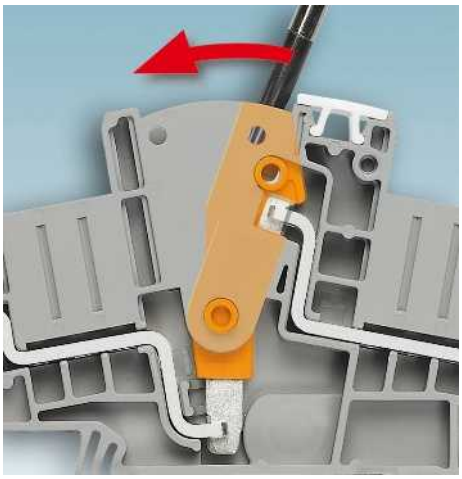
The latest generation of test disconnect terminal blocks with screw connection offer the following features:

- Compact design
- Easy operation
- Six function shafts
- Clear arrangement
- Flexible and comprehensive accessories
- Feed-through terminal block of the same shape available



- Only two UTME 6 test disconnect terminal blocks are required for a current transformer measuring circuit
- Less space required compared to creating circuits with slide-type terminal blocks

① FBS... plug-in bridge for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 6 switching lock
④ SB-ME... switching jumper
⑤ C-ME 6/2 connection bridge



- Reliable contacting and latching of the longitudinal isolating switch in the relevant switching state
- Clear selection thanks to printed switching symbols
- Unintentional switching prevented by means of optional switching lock
- Two or three switches can be actuated at the same time using a connection bridge



- SB-ME ... switching jumpers can be positioned and latched on both sides of the disconnect point in the bridge shaft
- Reliably snapped into the end positions
- Contact made via screw terminal points

Notes:
For current carrying capacity of DIN rails, see page 716.
For further test adapters, see page 479.
For corresponding terminal strip covers, see Catalog 5.

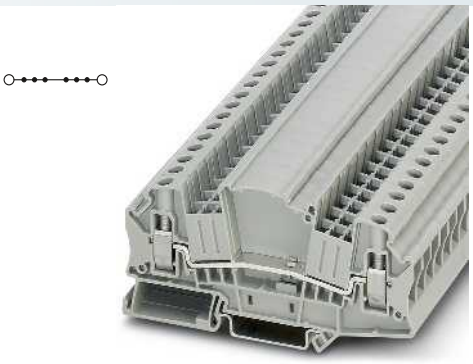
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Inflammability class according to UL 94	

Description	No. of pos.	Color
Test disconnect terminal block, for mounting on NS 35		gray
Feed-through terminal block, for mounting on NS 35...		gray
Ground terminal block, for mounting on NS 35...		green-yellow

Cover, width 2.2 mm		gray
Switching jumper, plug-in		
	2	gray/orange
	3	gray/orange
	4	gray/orange
Plug-in bridge		
	2	red
	3	red
	4	red
	5	red
	10	red
Pre-assembled bridge, labeled		
3-pos., positions 1, 3	2	red
4-pos., positions 1, 4	2	red
5-pos., positions 1, 3, 5	3	red
10-pos. positions 1, 4, 7, 10	4	red
Switching lock, plug-in		white
Connection bridge, for connecting two test disconnect terminal blocks		orange
3-pos.		orange
Test adapter, for 4-mm-Ø safety test plug, snapped into bridge shaft		orange
		yellow
		green
Partition plate, with storage option for switching jumpers		gray
Screwdriver		
Center and lateral groove labeling		



6 (10) mm², 30 A, test disconnect terminal block



6 (10) mm², 41 A, feed-through terminal block, same shape



6 (10) mm², ground terminal block, same shape

Technical data

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**500**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
30 / 6	30 / -	30 / -	-
6	-	-	-
24 - 8	24-8	24-8	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UTME 6		**3047400**	50

Accessories

D-UTME 6		**3047426**	10
SB-ME 2-8	30 A	**3034468**	10
SB-ME 3-8	30 A	**3032800**	10
SB-ME 4-8	30 A	**3034484**	10
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
FBS 1/3-8	41 A	**3032363**	10
FBS 1/4-8	41 A	**3032376**	10
FBS 1/3/5-8	41 A	**3032389**	10
FBS 1/4/7/10-8	41 A	**3032402**	10
S-ME 6		**3034439**	10
C-ME 6/2		**3034442**	10
C-ME 6/3		**3034390**	50
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
CARRIER 35-8		**3034387**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**500**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
41 / 6	30 / -	30 / -	-
6	-	-	-
24 - 8	24-8	24-8	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UTMED 6		**3047413**	50

Accessories

D-UTME 6		**3047426**	10
SB-ME 2-8	30 A	**3034468**	10
SB-ME 3-8	30 A	**3032800**	10
SB-ME 4-8	30 A	**3034484**	10
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
FBS 1/3-8	41 A	**3032363**	10
FBS 1/4-8	41 A	**3032376**	10
FBS 1/3/5-8	41 A	**3032389**	10
FBS 1/4/7/10-8	41 A	**3032402**	10
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
CARRIER 35-8		**3034387**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
		max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	-
24 - 8	24-8	24-8	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UTMED 6-PE	**3047442**	50

Accessories

D-UTME 6	**3047426**	10
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
FBS 1/3-8	**3032363**	10
FBS 1/4-8	**3032376**	10
FBS 1/3/5-8	**3032389**	10
FBS 1/4/7/10-8	**3032402**	10
PAI-4-FIX OG	**3034455**	10
PAI-4-FIX YE	**3032745**	10
PAI-4-FIX GN	**3032758**	10
CARRIER 35-8	**3034387**	10
SZF 2-0,8X4,0	**1204520**	10

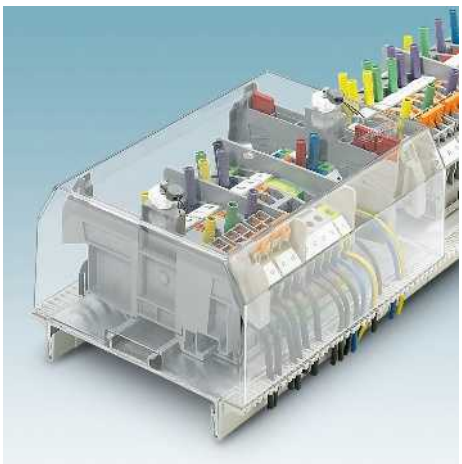
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

UT 6-T HV test disconnect terminal blocks



- Compact 1000 V test disconnect terminal block with screw disconnect slide
- The terminal block provides a function shaft on both sides of the disconnect point and can be fitted with plug-in bridges and test adapters with 4 mm diameter
- The KSS short-circuit plugs make contact either in the test adapter or the test socket screws of the terminal points
- The CARRIER 35-8 provides a parking facility for KSS ... short-circuit plugs and FBS ... plug-in bridges

  SB-MER ... switching jumpers can be positioned and latched on both sides of the disconnect point in the bridge shaft
- Reliably snapped into the end positions
- Contact made via screw terminal points



Notes:
For further plug-in bridges, see page 472.
For further test sockets, see page 637.
For corresponding AP-ME and AH-ME terminal strip covers, see Catalog 5.



6 (10) mm², 57 A, 1000 V, test disconnect terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		8.2	**72.6**	**54.3**
Dimensions		Width	Length	Height NS 32
	[mm]	**8.2**	**72.6**	**59.3**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		57	**1000**	**0.2 - 10** / **24 - 8**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	1000	-	- / -
Nominal current / cross section	[A] / [mm²]	41 / 6	- / -	- / -
Rated cross section	[mm²]	6	-	- / -
Cross section range	AWG	24 - 8	-	- / -
Connection capacity		solid	stranded	Ferrule / Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 10	0.2 - 10	0.25 - 6 / 0.25 - 6
Two conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 4
General data				
Stripping length	[mm]	12		
Terminal point: thread / torque	- / [Nm]	M4 / 1.2 - 1.4		
Disconnect slide: thread / torque	- / [Nm]	M3 / 0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Test disconnect terminal block, for mounting on NS 35 and NS 32		gray	**UT 6-T-HV**		**3070134**	50
With test socket screws		gray	**UT 6-T-HV P/P**		**3070121**	50

Accessories

Cover, width 2.2 mm		gray	**D-UT 6-T-HV**		**3070147**	50
Plug-in bridge						
	2	red	**FBS 2-8**	41 A	**3030284**	10
	5	red	**FBS 5-8**	41 A	**3030310**	10
	10	red	**FBS 10-8**	41 A	**3030323**	10
Switching jumper, plug-in						
	2	gray/orange	**SB-MER 2-8**	24 A	**3000587**	10
	3	gray/orange	**SB-MER 3-8**	24 A	**3000588**	10
	4	gray/orange	**SB-MER 4-8**	24 A	**3000589**	10
Switching lock, excludes the possibility of an unintentional operation of the disconnect slide		white	**S-UT 6-T-HV**		**3070150**	50
Partition plate, 2 mm width		gray	**ATP-URTK/SP**		**0311139**	10
Test adapter, for 4-mm-Ø safety test plug, snapped into bridge shaft		orange	**PAI-4-FIX OG**		**3034455**	10
		yellow	**PAI-4-FIX YE**		**3032745**	10
		green	**PAI-4-FIX GN**		**3032758**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., $I_{max.}$ 20 A		black	**KSS 8**		**0311540**	10
4-pos.		black	**KSS 4- 8**		**0309549**	10
Screwdriver, for the terminal point			**SZS 1,0X6,5 VDE**		**1205079**	10
Screwdriver, for test socket screws			**SZG 0,9X6,5 VDE**		**1205134**	10
Lateral groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**			

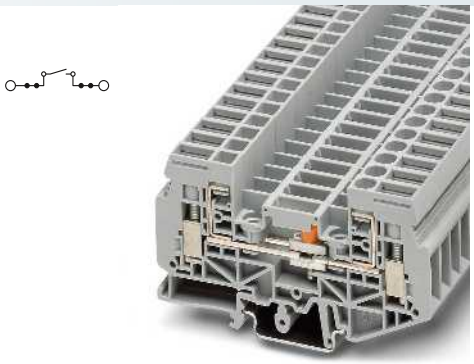
URTK 6 / UGSK 6 test disconnect and slide-type terminal blocks

– The URTK 6 test disconnect terminal block and the UGSK 6 slide-type terminal block were developed specifically for use in current transformer secondary circuits
– Can be fitted on both sides with fixed and switchable bridges as well as test sockets with a 4 mm diameter

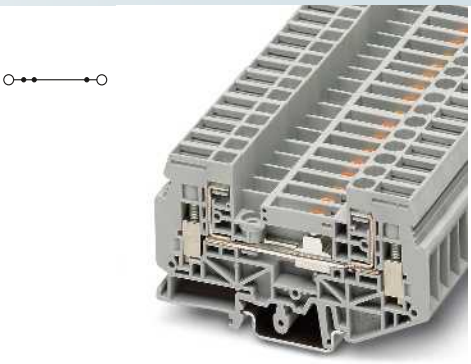
Notes:

For other test sockets, see page 637.

For corresponding AP-ME and AH-ME terminal strip covers, see Catalog 5.



6 (10) mm², 57 A, test disconnect terminal block



6 (10) mm², 57 A, slide-type terminal block

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**8.2**	**91**	**51**	
Dimensions	Width	Length	Height NS 32	
[mm]	**8.2**	**91**	**56**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	57	**400**	**0.5 - 10**	**20 - 8**
Rated data	IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400	300	-	-
Nominal current / cross section [A] / [mm²]	41 / 6	50 / -	-	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	20 - 8	26-8	-	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
Two conductors (of the same type) [mm²]	0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 4
General data				
Stripping length [mm]	10			
Terminal point: thread / torque - / [Nm]	M4 / 1.2 - 1.4			
Disconnect slide: thread / torque - / [Nm]	M3 / 0.6 - 0.8			
Torque: test socket, fixed bridge, switch bar [Nm]	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Test disconnect terminal block, for mounting on NS 35 ... and NS 32 ...		gray	**URTK 6**		**3026272**	50
Feed-through terminal block, for mounting on NS 32... or NS 35...		gray	**URDK 6**		**3026706**	50

Accessories

Cover, width 2 mm		gray	**D-URTK 6**		**3026340**	10
Switching jumper, complete						
	2	orange	**SB 2-8-T**	41 A	**3026366**	10
	3	orange	**SB 3-8-T**	41 A	**3026492**	10
	4	orange	**SB 4-8-T**	41 A	**3026379**	10
	10	orange	**SB 10-8-T**	41 A	**3026382**	10
for bridging between non-adjacent terminals	10	orange	**SB 10-8-T SO**	41 A	**3026395**	10
Fixed bridge, insulated						
	10	silver	**FBRI 10-8 N**	45 A	**2772080**	10
Switching lock, excludes the possibility of an unintentional operation of the disconnect slide		white	**S-URTK/SP**		**0311155**	50
Test socket, insulated		transparent	**PSBJ-URTK 6 FARBLOS**		**3026450**	10
		yellow	**PSBJ-URTK 6 YE**		**3026405**	10
		green	**PSBJ-URTK 6 GN**		**3026418**	10
		violet	**PSBJ-URTK 6 VT**		**3026421**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos.		black	**KSSI 2-8**		**3000722**	10
4-pos.		black	**KSSI 4-8**		**3000735**	10
Screwdriver, for the terminal point			**SZS 1,0X4,0 VDE**		**1205066**	10
Screwdriver, for the test socket			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**			

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**8.2**	**91**	**51**	
Dimensions	Width	Length	Height NS 32	
[mm]	**8.2**	**91**	**56**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	57	**400**	**0.5 - 10**	**20 - 8**
Rated data	IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400	300	-	-
Nominal current / cross section [A] / [mm²]	41 / 6	50 / -	-	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	20 - 8	26-8	-	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
Two conductors (of the same type) [mm²]	0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 4
General data				
Stripping length [mm]	10			
Terminal point: thread / torque - / [Nm]	M4 / 1.2 - 1.4			
Disconnect slide: thread / torque - / [Nm]	M3 / 0.6 - 0.8			
Torque: test socket, fixed bridge, switch bar [Nm]	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

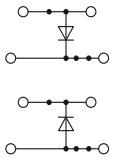
Type	I_{max}	Order No.	Pcs. / Pkt.
UGSK 6		**3026285**	50

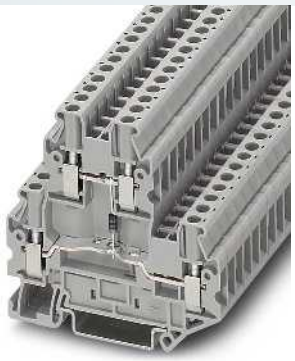
Accessories

D-URTK 6		**3026340**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	45 A	**2772080**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
KSSI 4-8		**3000735**	10
SZS 1,0X4,0 VDE		**1205066**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)			

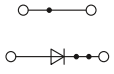
Double-level diode terminal blocks UTTB 2.5 ...-DIO

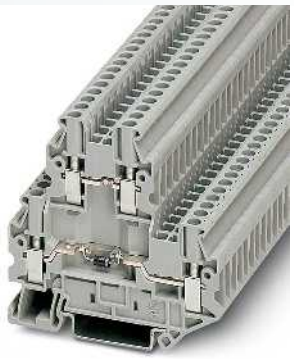
– Double-level diode and light indicator terminal blocks carry out a great variety of switching tasks
– Design width of 5.2 mm
– The following can be implemented in tight spaces: freewheeling diode circuits, lamp test circuits, reporting and fault reporting circuits





2.5 (4) mm², 28 A, double-level diode terminal block





2.5 (4) mm², 28 A, double-level diode terminal block

Notes:

[1]) The max. current is determined by the diode. Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A

[2]) The voltage is determined by the light indicator version selected.

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	5.2	69.9	65	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		28[1])	500	0.14 - 4	26 - 12
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	24[1]) / 2.5	20 / -	1 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	26 - 12	26-12	26-12	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	5.2	69.9	65	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		28[1])	500	0.14 - 4	26 - 12
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	24[1]) / 2.5	20 / -	1 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	26 - 12	26-12	26-12	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with integrated diode, conducting from top to bottom		gray	**UTTB 2,5-DIO/O-U**		**3046650**	50
Terminal block, with integrated diode, conducting from bottom to top		gray	**UTTB 2,5-DIO/U-O**		**3046663**	50
Terminal block, with integrated diode, conducting from bottom left to bottom right		gray				
Terminal block, with integrated diode, conducting from top to bottom left and from bottom right to bottom left		gray				
Terminal block, with integrated diode, conducting from top to bottom left and from top to bottom right		gray				
Terminal block, with LED						
for 12-30 V DC, 0.7-2.4 mA		gray				
for 30-60 V DC, 0.8-1.8 mA		gray				
for 110-250 V AC/DC, 0.1-0.5 mA		gray				
Terminal block, for soldering in a component from top to bottom		gray				

Ordering data

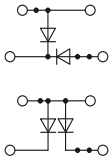
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with integrated diode, conducting from top to bottom		gray				
Terminal block, with integrated diode, conducting from bottom to top		gray				
Terminal block, with integrated diode, conducting from bottom left to bottom right		gray	**UTTB 2,5-DIO/UL-UR**		**3046728**	50
Terminal block, with integrated diode, conducting from top to bottom left and from bottom right to bottom left		gray				
Terminal block, with integrated diode, conducting from top to bottom left and from top to bottom right		gray				
Terminal block, with LED						
for 12-30 V DC, 0.7-2.4 mA		gray				
for 30-60 V DC, 0.8-1.8 mA		gray				
for 110-250 V AC/DC, 0.1-0.5 mA		gray				
Terminal block, for soldering in a component from top to bottom		gray				

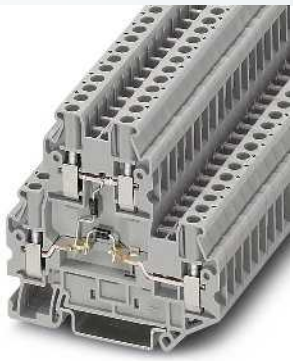
Accessories

			Type		Order No.	Pcs. / Pkt.
Cover, width 2.2 mm		gray	**D-UTTB 2,5/4**		**3047293**	50
Spacer plate, compensates for level offsets, width 2.5 mm		gray	**DP-UTTB 2,5/4**		**3047303**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2.2 mm wide		gray	**ATP-UTTB 2,5/4**		**3047316**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			

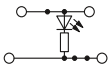
Accessories

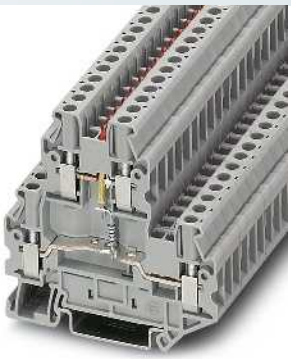
			Type		Order No.	Pcs. / Pkt.
Cover, width 2.2 mm		gray	**D-UTTB 2,5/4**		**3047293**	50
Spacer plate, compensates for level offsets, width 2.5 mm		gray	**DP-UTTB 2,5/4**		**3047303**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2.2 mm wide		gray	**ATP-UTTB 2,5/4**		**3047316**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			



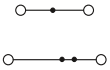


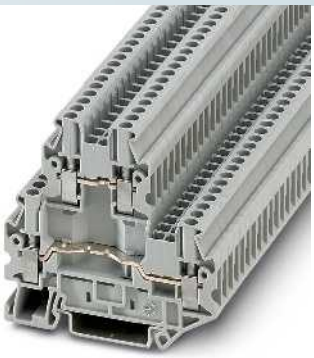
2.5 (4) mm², 28 A, double-level diode terminal block





2.5 (4) mm², 28 A, double-level terminal block with LED





2.5 (4) mm², 28 A, double-level terminal block for soldering in components

Technical data

Width	Length	Height NS 35/7,5	
5.2	**69.9**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
28[1])	**500**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	300	-
24[1]) / 2.5	20 / -	1 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UTTB 2,5-2DIO/O-UL/UR-UL		**3046676**	50
UTTB 2,5-2DIO/O-UL/O-UR		**3046689**	50

Accessories

D-UTTB 2,5/4		**3047293**	50
DP-UTTB 2,5/4		**3047303**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-UTTB 2,5/4		**3047316**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**69.9**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
28	**24[2])**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
24[2])	600	24	-
24 / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UTTB 2,5-LA 24 RD		**3046692**	50
UTTB 2,5-LA 60 RD		**3046702**	50
UTTB 2,5-LA 230		**3046715**	50

Accessories

D-UTTB 2,5/4		**3047293**	50
DP-UTTB 2,5/4		**3047303**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-UTTB 2,5/4		**3047316**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**69.9**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
28	**500**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
24 / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UTTB 2,5-BE	**3046744**	50

Accessories

D-UTTB 2,5/4		**3047293**	50
DP-UTTB 2,5/4		**3047303**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-UTTB 2,5/4		**3047316**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

MUT ... mini feed-through and ground terminal blocks, for mounting on NS 15

– Save space and can be used in smaller control boxes
– Ideal for connecting smaller motors and wiring in the lower power spectrum
– Simple bridging and potential distribution using the patented plug-in bridges of the CLIPLINE complete system
– Ground terminal block of the same shape makes contact when simply snapped on and meets the high requirements of IEC 60947–7–2

Notes:
For current carrying capacity of DIN rails, see page 716.



2.5 (4) mm², 32 A, mini feed-through terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 15
		5.2	**29.9**	**34**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		32	**500**	**0.2 - 4** / **24 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	-	- / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	- / -	- / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	24 - 12	-	- / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5 / 0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			- / 0.5 - 1.5
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

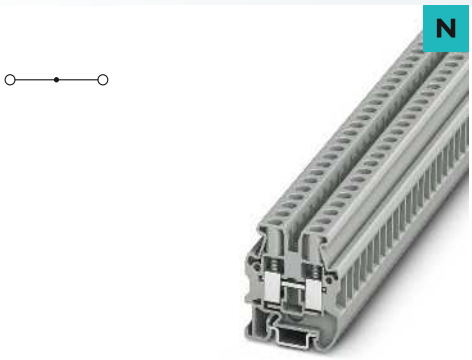
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 15		gray	**MUT 2,5**		**3248030**	50
		blue	**MUT 2,5 BU**		**3248031**	50
Ground terminal block, for mounting on NS 15		green-yellow				

Accessories

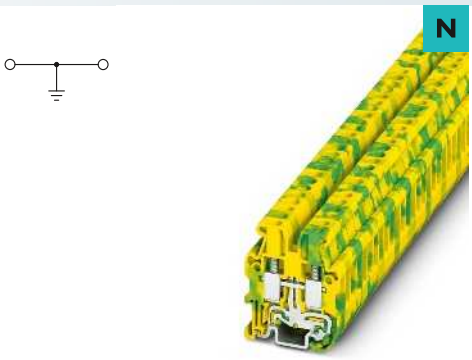
Cover, width 2.2 mm		gray	**D-MUT 2,5/4**		**3248033**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø						
Insulating sleeve, for MPS metal part		red				
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Warning label, for UT series		yellow	**WS UT 2,5**		**3047923**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10

Lateral groove labeling

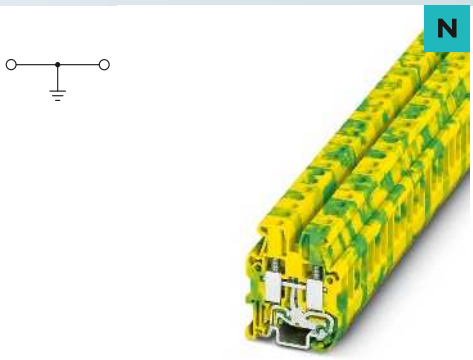
UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)



4 (6) mm², 41 A, mini feed-through terminal block



2.5 (4) mm², mini ground terminal block



4 (6) mm², mini ground terminal block

Technical data

Width	Length	Height NS 15	
6.2	**29.9**	**34**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**500**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	-	-	-
32 / 4	- / -	-	-
4	-	-	-
24 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 6	0.25 - 4	0.25 - 4
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
MUT 4		**3248035**	50
MUT 4 BU		**3248036**	50

Accessories

D-MUT 2,5/4		**3248033**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 15	
5.2	**29.9**	**34**	
		max. Ø [mm²]	AWG
		0.2 - 4	**24 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
24 - 12	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
MUT 2,5-PE	**3248032**	50

Accessories

D-MUT 2,5/4	**3248033**	50
WS UT 2,5	**3047923**	10
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

Technical data

Width	Length	Height NS 15	
6.2	**29.9**	**34**	
		max. Ø [mm²]	AWG
		0.2 - 6	**24 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	-
24 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 6	0.25 - 4	0.25 - 4
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

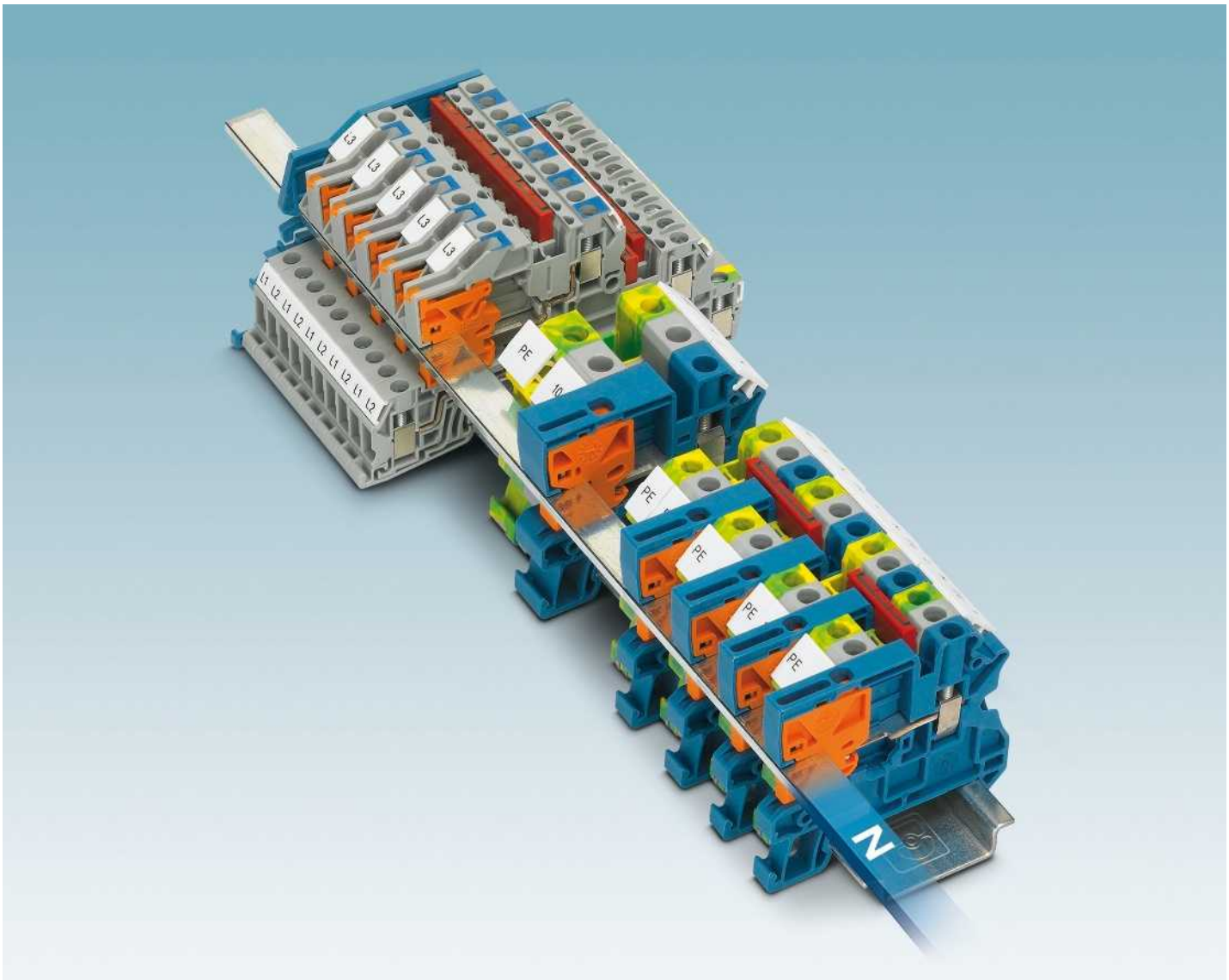
Ordering data

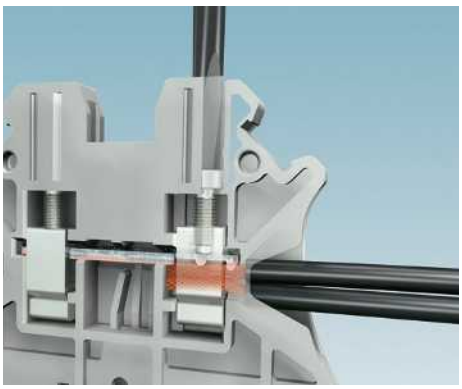
Type	Order No.	Pcs. / Pkt.
MUT 4-PE	**3248037**	50

Accessories

D-MUT 2,5/4	**3248033**	50
WS UT 4	**3047332**	10
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

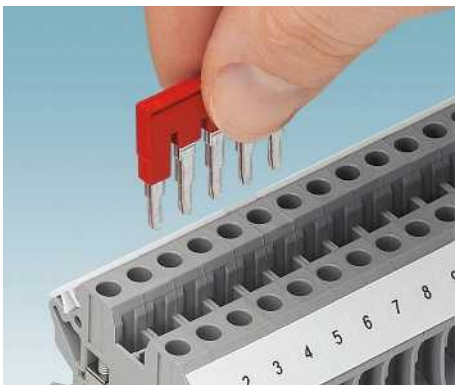




Universal and zero-maintenance

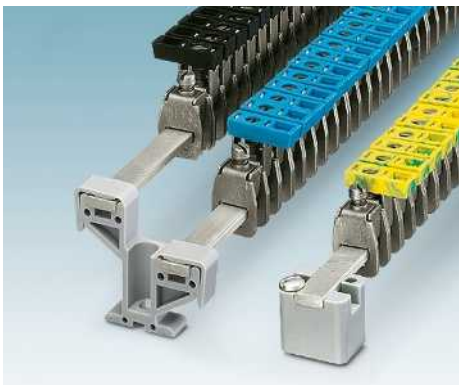
The screw connection is characterized by three main features.

– Global standard
– Multiple conductor connection
– Zero maintenance thanks to Reakdyn principle



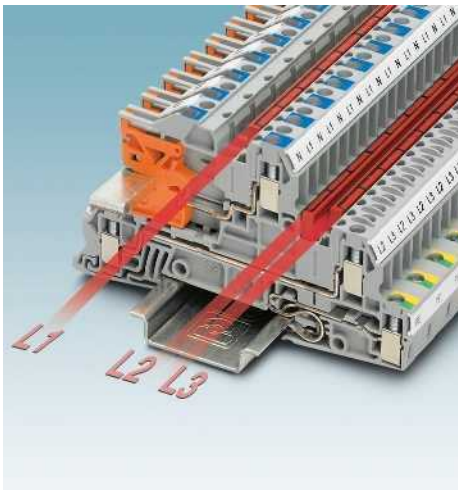
Flexible plug-in bridge system

The potential distribution can be implemented at speed with the standardized plug-in bridges. Using two bridge shafts in all terminal blocks makes flexible chain, level or jumping bridges possible.



Installation accessories

There is an extensive range of accessories for potential distribution and supply. The AKG connection terminal blocks meet the requirements of standard DIN VDE 0100 or VDE 0113-1 in terms of color labeling and the ability to label each terminal block.



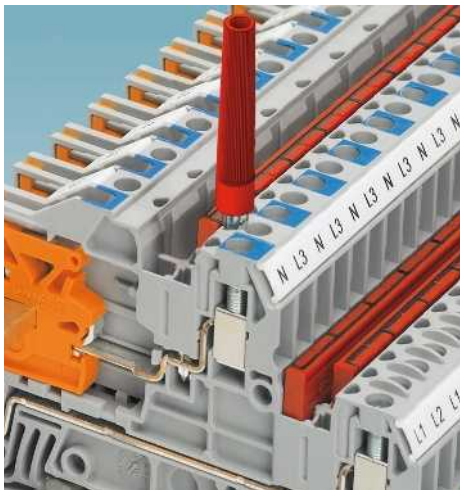
Double function shaft

Two function shafts are provided per level to allow fast and individual potential distribution. Cross connections can be reproduced any number of times with the standard bridges from the CLIPLINE complete system, e.g. three-phase systems with L1/L2/L3 potentials within a terminal strip.



Fast and safe neutral conductor disconnection

All screw connection neutral conductor disconnect terminal blocks are fitted with a robust, screwless disconnect slide. When this is levered over with a standard screwdriver, the contact fork slides onto the busbar. Engaging the slide in the end positions provides additional protection against accidental actuation. The disconnect slide is clearly visible in the respective location.



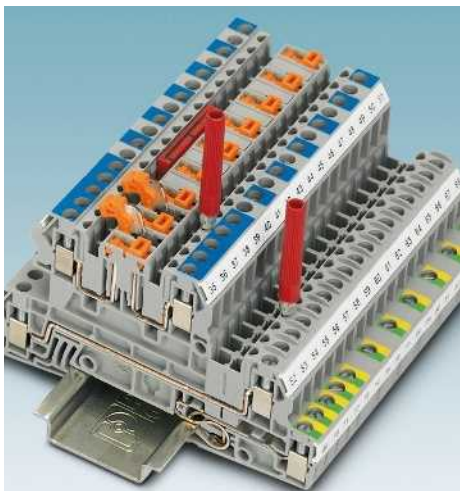
Testing facility on each terminal point

The CLIPLINE complete system features an extensive range of test accessories. All test plugs and adapters make contact in the function shaft. Furthermore, each terminal point has a 2.3 mm test contact. All measurement and test work can therefore be undertaken with ease and at speed with function shafts fitted with bridges.



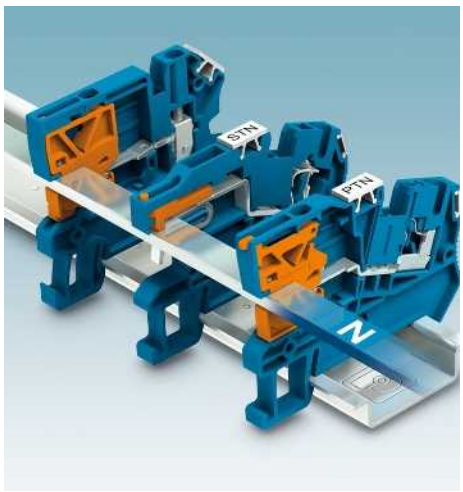
Easy to install

The screw connection installation terminal blocks can be easily switched from the group, even once fitted, without the neutral busbar having to be removed.



Safe individual circuit disconnection

The terminal block versions with disconnect knife for individual circuit disconnection meet the safety requirements of DIN VDE 0100−718.



Any combination

All installation terminal blocks with the various PTI push-in connection, STI spring-cage connection, and PIK screw connection technologies from Phoenix Contact can be combined in any way. The neutral busbar is on one level in all installation terminal blocks.

UTI ... installation and PE terminal blocks



– UTI 16... and UTI 35... installation terminal blocks feature a particularly low-profile design and are suitable for wiring in flat installation distributors
– The asymmetric arrangement of the terminal blocks on the DIN rail allows the PEN conductor busbar to be routed to the terminal blocks
– **The standard UT 2,5 to UT 10 feed-through terminal blocks can be used in combination with the neutral busbar**

AGK 4-UT... pick-off terminal blocks

– The fully insulated pick-off terminal block (optional use) permits a voltage pick-off up to a nominal voltage of 400 V
– Large area for labeling

Notes:

For current carrying capacity of DIN rails, see page 716.



16 (25) mm², 76 A, feed-through terminal block

Technical data

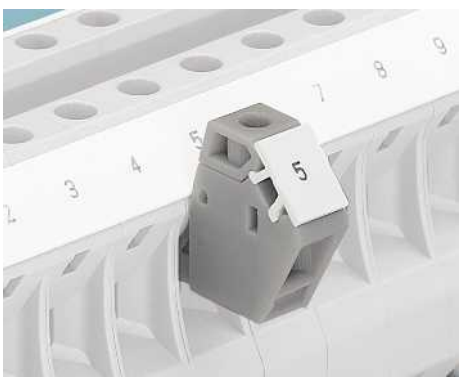
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		12.2	**51**	**50.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		76	**400**	**6 - 25** / **10 - 4**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400	-	- / -
Nominal current / cross section	[A] / [mm²]	76 / 16	- / -	- / -
Rated cross section	[mm²]	16	-	- / -
Cross section range	AWG	10 - 4	-	- / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	6 - 25	6 - 16	6 - 16 / 6 - 16
Two conductors (of the same type)	[mm²]	2.5 - 10	2.5 - 6	4 - 6 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 4 - 6
General data				
Stripping length	[mm]	12		
Screw thread		M5		
Tightening torque	[Nm]	2.5 - 3		
Insulating material		PA		
Inflammability class according to UL 94		V2		

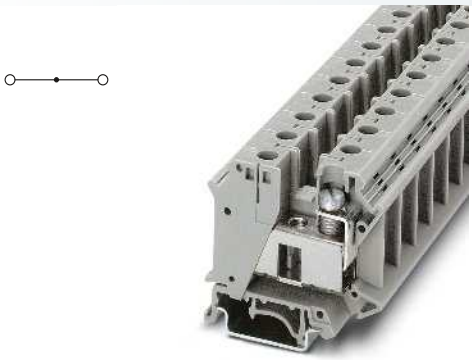
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**UTI 16**	**3073827**	50
		blue	**UTI 16 BU**	**3075728**	50
Ground terminal block, for mounting on NS 35...		green-yellow			

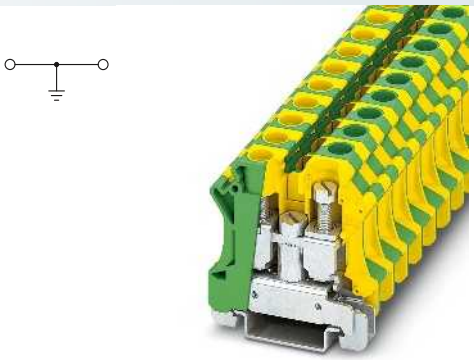
Accessories

Pick-off terminal block, for snapping into the lateral guide		gray	**AGK 4-UT 16**	**3047125**	50
Fixed bridge, insulated					
	2	silver			
	3	silver			
	10	silver	**FBI 10-12**	**0203454**	10
Screwdriver			**SZS 1,0X6,5 VDE**	**1205079**	10
Lateral groove labeling			**UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)**		

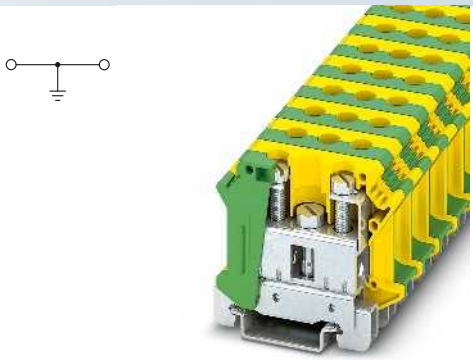




35 (35) mm², 125 A, feed-through terminal block



16 (25) mm², 76 A, ground terminal block



35 (35) mm², 125 A, ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
15.2	**55**	**51**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
125	**800**	**0.75 - 35**	**18 - 2**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	-	-	-
125 / 35	- / -	-	-
35	-	-	-
18 - 2	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	-
			0.75 - 6
16			
M6			
3.2 - 3.7			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UTI 35	**3074088**	50
UTI 35 BU	**3075731**	50

Accessories

FBI 2-15	**0201333**	10
FBI 3-15	**0201278**	10
SZS 1,0X6,5 VDE	**1205079**	10

UC-TM 12, UCT-TM 12 or ZB 15 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
12.2	**51**	**50.5**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
76		**6 - 25**	**10 - 4**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
76 / 16	- / -	-	-
16	-	-	-
10 - 4	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
6 - 25	6 - 16	6 - 16	6 - 16
2.5 - 10	2.5 - 6	4 - 6	-
			4 - 6
12			
M5			
2.5 - 3			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UTI 16-PE	**3073830**	50

Accessories

SZS 1,0X6,5 VDE	**1205079**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
15	**55**	**51**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
125		**0.75 - 35**	**18 - 2**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
125 / 35	- / -	-	-
35	-	-	-
18 - 2	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 16	0.75 - 10	0.75 - 10	-
			0.75 - 6
16			
M6			
3.2 - 3.7			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UTI 35-PE	**3074091**	50

Accessories

SZS 1,0X6,5 VDE	**1205079**	10

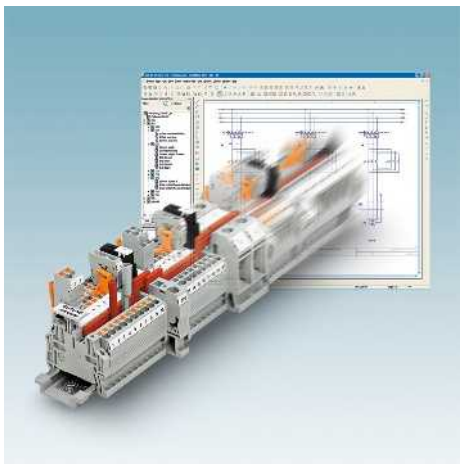
UC-TM 12, UCT-TM 12 or ZB 15 (see Catalog 5)

UTN ... installation neutral conductor disconnect terminal blocks



– All UTN 2,5 - UTN 16 neutral conductor disconnect terminal blocks have a screwless disconnect slide
– When this is levered over with a standard screwdriver, the contact fork slides onto the busbar
– Engaging the slide in the end positions provides additional protection against accidental contacting
– **The standard UT 2,5 to UT 10 feed-through terminal blocks can be used in combination with the neutral busbar**

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



Notes:

Assembly instructions:
For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.

For L/N/PE AKG ... connection terminal blocks, see page 94.



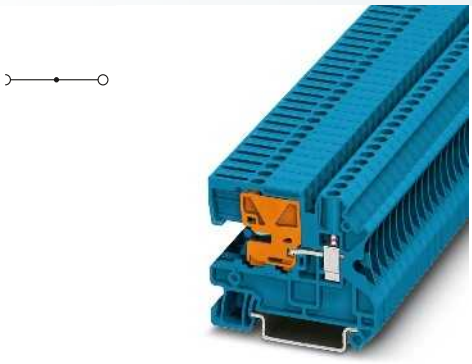
2.5 (4) mm², 24 A, neutral disconnect terminal block

Technical data

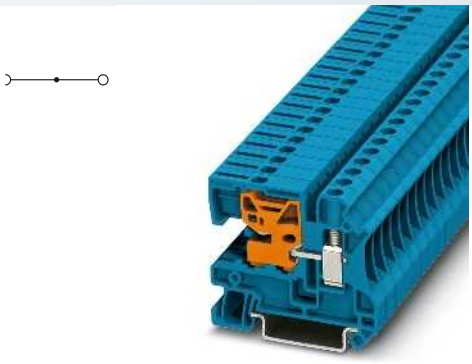
Dimensions			
Width	Length	Height NS 35/7,5	
5.2	**55**	**47.5**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**250**	**0.14 - 4**	**26 - 12**
Rated data		IEC 60947-7-1	
IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	250	-	-	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	- / -	-	-
Rated cross section [mm²]	2.5	-	-	-
Cross section range AWG	26 - 12	-	-	-
Connection capacity	solid	stranded	Ferrule	
			Without / with plastic sleeve	
1 conductor [mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type) [mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 1.5
General data				
Stripping length [mm]	9			
Screw thread	M 3			
Tightening torque [Nm]	0.5 - 0.6			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Neutral disconnect terminal block, for mounting on NS 35...		blue	**UTN 2,5**		**3245011**	50
Accessories						
Cover, width 2.2 mm		blue	**D-UTN 2,5/10**		**3245079**	50
Support, to hold the neutral busbar, set every 20 cm, 2 mm wide		blue	**AB-UTN 2,5/10**		**3245082**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-UT**		**3047167**	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			



4 (6) mm², 32 A, neutral disconnect terminal block



6 (10) mm², 41 A, neutral disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**55**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**250**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	-	-	-
32 / 4	- / -	-	-
4	-	-	-
26 - 10	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.25 - 4	0.25 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M 3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UTN 4		**3245024**	50

Accessories

D-UTN 2,5/10		**3245079**	50
AB-UTN 2,5/10		**3245082**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT		**3047167**	50
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**55**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**400**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
41 / 6	- / -	-	-
6	-	-	-
24 - 8	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M 4			
1.5 - 1.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UTN 6		**3245037**	50

Accessories

D-UTN 2,5/10		**3245079**	50
AB-UTN 2,5/10		**3245082**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
ATP-UT		**3047167**	50
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4-N GY		**3032871**	10
PS-8		**3031005**	10
SZS 1,0X4,0 VDE		**1205066**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

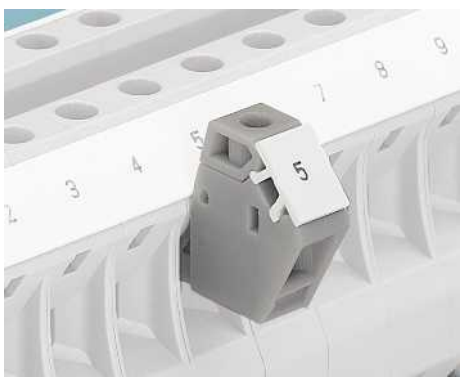
UTN ... installation neutral conductor disconnect terminal blocks



- All UTN 2,5 - UTN 16 neutral conductor disconnect terminal blocks have a screwless disconnect slide
- When this is levered over with a standard screwdriver, the contact fork slides onto the busbar
- Engaging the slide in the end positions provides additional protection against accidental contacting
- Same shape as UT standard terminal blocks

AGK 4-UT... pick-off terminal blocks

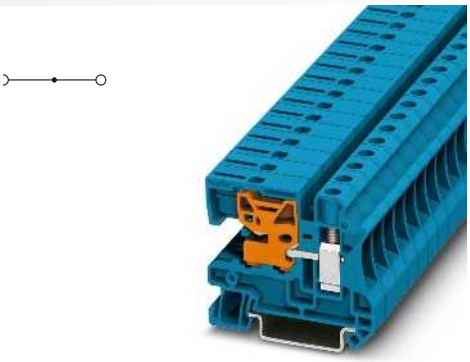
- The fully insulated pick-off terminal block (optional use) permits a voltage pick-off up to a nominal voltage of 400 V (4 mm²)
- Large area for labeling



Notes:

Assembly instructions:
For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.

For L/N/PE AKG ... connection terminal blocks, see page 94.



10 (16) mm², 57 A, neutral disconnect terminal block

Technical data

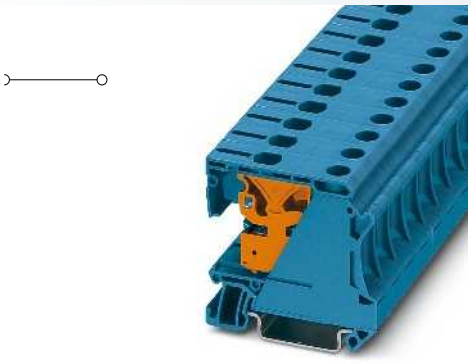
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		10.2	**55**	**47.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		57	**400**	**0.5 - 16** / **20 - 6**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400	-	- / -
Nominal current / cross section	[A] / [mm²]	57 / 10	- / -	- / -
Rated cross section	[mm²]	10	-	- / -
Cross section range	AWG	20 - 6	-	- / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.5 - 16	0.5 - 16	0.5 - 10 / 0.5 - 10
Two conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 6
General data				
Stripping length	[mm]	10		
Screw thread		M 4		
Disconnect slide: thread / torque	- / [Nm]	- / -		
Tightening torque	[Nm]	1.5 - 1.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

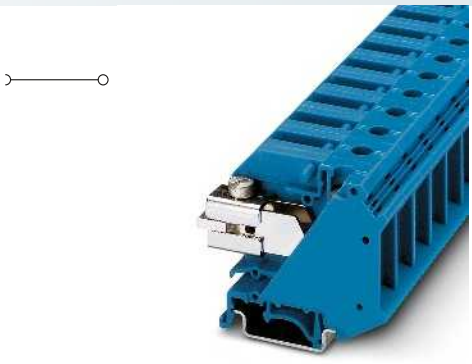
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Neutral disconnect terminal block, for mounting on NS 35...		blue	**UTN 10**		**3245040**	50

Accessories

Pick-off terminal block, for snapping into the lateral guide		gray	**AGK 4-UT 10**		**3047112**	50
Cover, width 2.2 mm		blue	**D-UTN 2,5/10**		**3245079**	50
Support, to hold the neutral busbar, set every 20 cm, 2 mm wide		blue	**AB-UTN 2,5/10**		**3245082**	50
Plug-in bridge	2	red	**FBS 2-10**	57 A	**3005947**	10
Partition plate, 2 mm width		gray	**ATP-UT**		**3047167**	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Screwdriver			**SZS 1,0X4,0 VDE**		**1205066**	10
UniCard sheet for labeling the lateral groove			**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)**			



16 (25) mm², 76 A, neutral disconnect terminal block



35 (35) mm², 110 A, neutral disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
12.2	**55**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
76	**400**	**6 - 25**	**10 - 4**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
76 / 16	- / -	-	-
16	-	-	-
10 - 4	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
6 - 25	6 - 16	6 - 16	6 - 16
2.5 - 10	2.5 - 6	4 - 6	- 4 - 6
12			
M5			
- / -			
2.5 - 3			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UTN 16		**3245053**	50

Accessories

AGK 4-UT 16		**3047125**	50
AB-UTN 2,5/10		**3245082**	50
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
SZS 1,0X4,0 VDE		**1205066**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
15	**55**	**51**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
110	**400**	**0.75 - 35**	**18 - 2**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
110 / 35	- / -	-	-
35	-	-	-
18 - 2	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	- 0.75 - 6
16			
M6			
M5 / 2.5 - 3			
3.2 - 3.7			
PA			
V2			

Ordering data

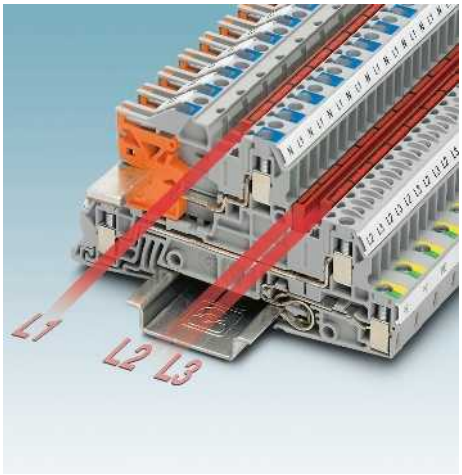
Type	I_{max}	Order No.	Pcs. / Pkt.
UTN 35		**3245066**	50

Accessories

AB-UTN 2,5/10		**3245082**	50
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
SZS 1,0X4,0 VDE		**1205066**	10

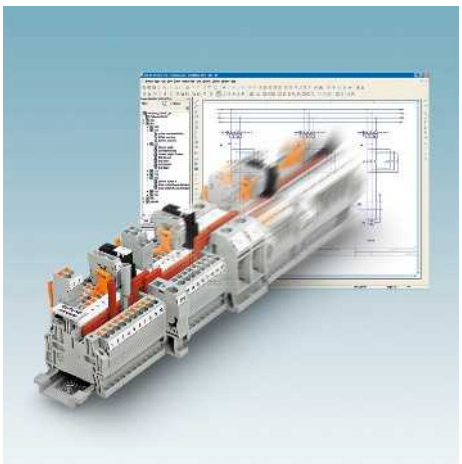
UC-TM 12, UCT-TM 12 or ZB 15 (see Catalog 5)

UTI 2,5... three-level installation terminal blocks



- Optimum operating convenience with extremely compact design
- Quickly wire load circuits with a pitch of just 5.2 mm
- Double function shafts on all levels
- Every terminal point can be clearly labeled and clearly seen in every terminal block installation position

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

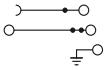


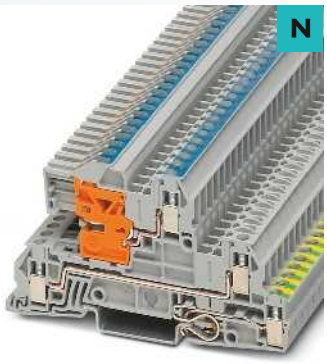
Notes:

For current carrying capacity of DIN rails, see page 716.

Assembly instructions:
For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.

[1]) 3-pos. termination block.





4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor can be disconnected, 1 x PE

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**93.5**	**51.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		30[1])	**400**	**0.2 - 4 / 24 - 12**
Rated data		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400	300	- / -
Phase conductor / phase conductor	[V]	400	-	- / -
Phase conductor / PE	[V]	250	-	- / -
Phase conductor / N	[V]	250	-	- / -
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	- / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 12	26-12	- / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5 / 0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 0.75 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 0.75
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V0		

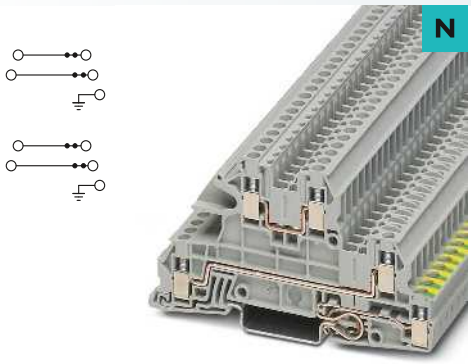
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**UTI 2,5-PE/L/NT**		**3076028**	50
		gray				

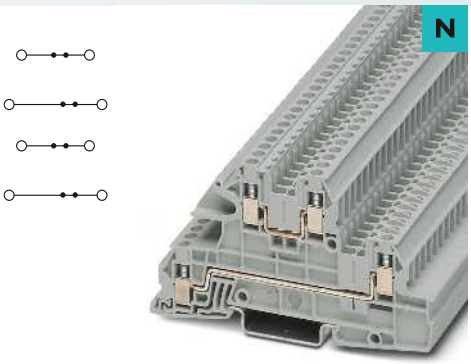
Accessories

Cover, width 2.2 mm		gray	**D-UTI/3**		**3076036**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Support, to hold the neutral busbar, set every 20 cm, 2.2 mm wide		blue	**AB-UTI/3**		**3076038**	50
Partition plate, 2.2 mm wide		gray	**ATP-PTI/3**		**3213990**	50
Marker adapter, 300 mm long, can be snapped into the lateral groove on modular terminal blocks, designed to accommodate ZB ... or UC-TM ...		gray	**CARRIER-TM 300**		**0828282**	25
Screwdriver			**SZS 1,0X4,0 VDE**		**1205066**	10

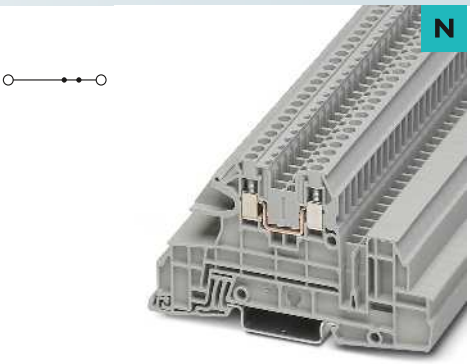
Center groove labeling	
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



4 (4) mm², 30 A, three-level terminal block, 2 x L phase conductor, 1 x PE



4 (4) mm², 30 A, three-level terminal block, 2 x L phase conductor



4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor

Technical data

Width	Length	Height NS 35/7,5	
5.2	93.5	51.5	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	400	0.2 - 4	24 - 12
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
250	-	-	-
-	-	-	-
24 / 4	20 / -	-	-
4	-	-	-
24 - 12	26-12	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-
			0.5 - 0.75
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UTI 2,5-PE/L/L		3076029	50
UTI 2,5-PE/L/N		3076030	50

Accessories

D-UTI/3		3076036	50
FBS 2-5	24 A	3030161	50
FBS 3-5	24 A	3030174	50
FBS 4-5	24 A	3030187	50
FBS 5-5	24 A	3030190	50
FBS 10-5	24 A	3030213	10
FBS 20-5	24 A	3030226	10
NLS-CU 3/10 SN 1000MM	140 A	0402174	10
MPS-MT		0201744	10
MPS-IH RD		0201676	10
PS-5		3030983	10
AB-UTI/3		3076038	50
ATP-PTI/3		3213990	50
CARRIER-TM 300		0828282	25
SZS 1,0X4,0 VDE		1205066	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	93.5	51.5	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	400	0.2 - 4	24 - 12
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
-	-	-	-
-	-	-	-
24 / 4	20 / -	-	-
4	-	-	-
24 - 12	26-12	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-
			0.5 - 0.75
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UTI 2,5-L/L		3076031	50
UTI 2,5-L/N		3076035	50

Accessories

D-UTI/3		3076036	50
FBS 2-5	24 A	3030161	50
FBS 3-5	24 A	3030174	50
FBS 4-5	24 A	3030187	50
FBS 5-5	24 A	3030190	50
FBS 10-5	24 A	3030213	10
FBS 20-5	24 A	3030226	10
NLS-CU 3/10 SN 1000MM	140 A	0402174	10
MPS-MT		0201744	10
MPS-IH RD		0201676	10
PS-5		3030983	10
AB-UTI/3		3076038	50
ATP-PTI/3		3213990	50
CARRIER-TM 300		0828282	25
SZS 1,0X4,0 VDE		1205066	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	93.5	51.5	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	400	0.2 - 4	24 - 12
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
-	-	-	-
-	-	-	-
24 / 4	20 / -	-	-
4	-	-	-
24 - 12	26-12	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-
			0.5 - 0.75
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

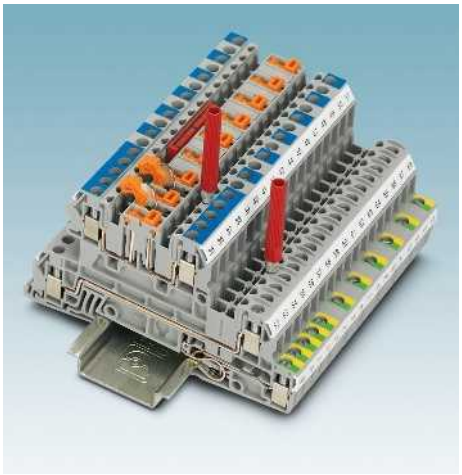
Type	I_{max}	Order No.	Pcs. / Pkt.
UTI 2,5-L		3076034	50

Accessories

D-UTI/3		3076036	50
FBS 2-5	24 A	3030161	50
FBS 3-5	24 A	3030174	50
FBS 4-5	24 A	3030187	50
FBS 5-5	24 A	3030190	50
FBS 10-5	24 A	3030213	10
FBS 20-5	24 A	3030226	10
NLS-CU 3/10 SN 1000MM	140 A	0402174	10
MPS-MT		0201744	10
MPS-IH RD		0201676	10
PS-5		3030983	10
AB-UTI/3		3076038	50
ATP-PTI/3		3213990	50
CARRIER-TM 300		0828282	25
SZS 1,0X4,0 VDE		1205066	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

UTI 2,5... three-level installation terminal blocks

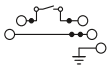


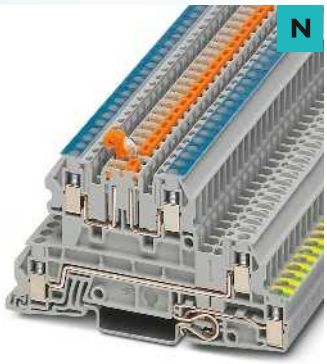
- The terminal blocks with the knife disconnect zone in the upper level comply with the safety requirement of single circuit disconnection according to DIN VDE 0100-718
- Knife disconnect terminal block with a current carrying capacity of 16 A
- Seamless and can be double bridged for all tasks in time-saving potential supply and distribution
- Testing facility on both sides of the disconnect point
- Optimum operating convenience with extremely compact design
- Quickly wire load circuits with a pitch of just 5.2 mm
- Double function shafts on all levels
- Every terminal point can be clearly labeled and clearly seen in every terminal block installation position

S-MT switching lock

- The optional switching lock snaps in and effectively prevents accidental switching

Notes:
For current carrying capacity of DIN rails, see page 716.
1) 3-pos. termination block.
2) Also see page 480.





4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor can be disconnected, 1 x PE

Technical data

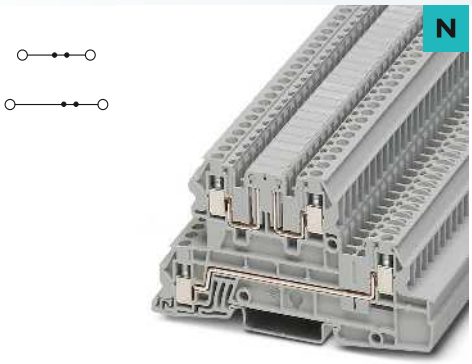
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**93.5**	**51.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		30[1])	**400**	**0.2 - 4** / **24 - 12**
Rated data		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400	300	- / -
Phase conductor / phase conductor	[V]	400	-	- / -
Phase conductor / PE	[V]	250	-	- / -
Phase conductor / N	[V]	250	-	- / -
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	- / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 12	26-12	- / -
Disconnect level rated data		IEC	UL/CUL	CSA / IEC/EN 60079-7
Nominal current / cross section	[A] / [mm²]	16 / 1.5	20 / -	- / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5 / 0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 0.75 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 0.75
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**UTI 2,5-PE/L/NTB**		**3076032**	50

Accessories

Cover, width 2.2 mm		gray	**D-UTI/3**		**3076036**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Partition plate, 2.2 mm wide		gray	**ATP-PTI/3**		**3213990**	50
Switching lock, plug-in[2])		white	**S-MT**		**3247954**	50
Marker adapter, 300 mm long, can be snapped into the lateral groove on modular terminal blocks, designed to accommodate ZB ... or UC-TM ...		gray	**CARRIER-TM 300**		**0828282**	25
Screwdriver			**SZS 1,0X4,0 VDE**		**1205066**	10
Center and lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			



4 (4) mm², 30 A, three-level terminal block, 2 x L phase conductor

Technical data

Width	Length	Height NS 35/7,5	
5.2	**93.5**	**51.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	**400**	**0.2 - 4**	**24 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
-	-	-	-
-	-	-	-
24 / 4	20 / -	-	-
4	-	-	-
24 - 12	26-12	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16 / 1.5	20 / -	-	-
solid	stranded	Ferrule	Without / with plastic sleeve
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	- 0.5 - 0.75
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UTI 2,5-L/LB		**3076033**	50

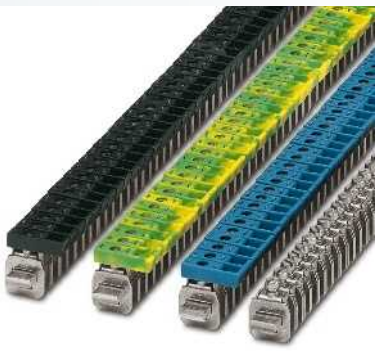
Accessories

D-UTI/3		**3076036**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
ATP-PTI/3		**3213990**	50
CARRIER-TM 300		**0828282**	25
SZS 1,0X4,0 VDE		**1205066**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

L/N/PE connection terminal blocks





4 (6) mm², 41 A, connection terminal blocks

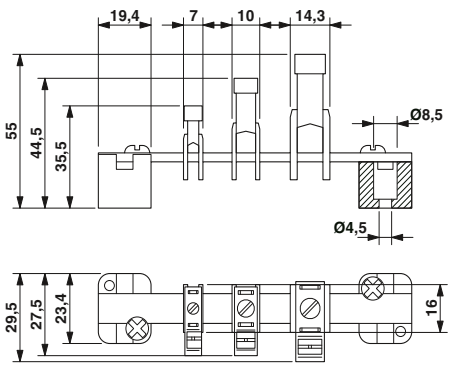
– In electrical systems subject to the setup requirements of DIN VDE 0100 or IEC 60204−1 / EN 60204−1 / VDE 0113−1, N, PE or phase conductor L are often connected to central busbars. This requires the conductor and/or terminal block to be clearly labeled for the corresponding circuit.
The connection terminal blocks satisfy these requirements in several ways:
– Through individual labeling of each terminal block
– By their blue, green-yellow or black colored housings
– Large labeling possible with ZB, UC-TM, UCT-TM

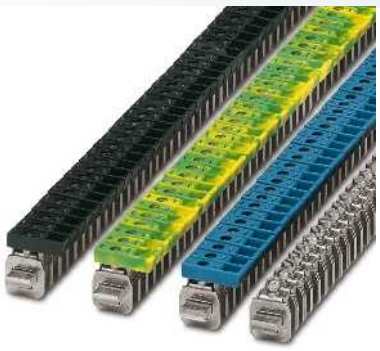
Technical data

Dimensions					
	[mm]	Width	Length	Height	
		7	**23.7**	**23.6**	
Max. electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG
		41		**0.5 - 6**	**20 - 10**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	300	-	-
Nominal current / cross section	[A] / [mm²]	41 / 4	20 / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	20 - 10	22-12	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.5 - 6	0.5 - 4	0.5 - 6	0.5 - 6
Two conductors (of the same type)	[mm²]	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
General data					
Stripping length	[mm]	16			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Connection terminal block, steel, pushed onto NLS neutral busbar, can be labeled with ZB ...	black	**AKG 4 BK**		**0421032**	50
Up to 6 mm² solid, 7 mm wide	green-yellow	**AKG 4 GNYE**		**0421029**	50
Up to 6 mm² solid, 7 mm wide	blue	**AKG 4 BU**		**0421016**	50
Without insulating cap	silver	**AK 4**		**0404017**	50
Connection terminal block, steel, pushed onto NLS neutral busbar, can be labeled with ZB ...	black				
Up to 16 mm² solid, 10 mm wide	green-yellow				
Up to 16 mm² solid, 10 mm wide	blue				
Without insulating cap	silver				
Connection terminal block, steel, pushed onto NLS neutral busbar, can be labeled with ZB ...	black				
Up to 35 mm² solid, 14.3 mm wide	green-yellow				
Up to 35 mm² solid, 14.3 mm wide	blue				
Without insulating cap	silver				





16 (16) mm², 76 A, connection terminal blocks



35 (35) mm², 125 A, connection terminal blocks

Technical data

Width	Length	Height	
9.8	**23.7**	**29**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
76		**1.5 - 16**	**16 - 6**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	300	-	-
76 / 16	50 / -	65 / -	-
16	-	-	-
16 - 6	18-6	18-6	-
solid	stranded	Ferrule Without / with plastic sleeve	
1.5 - 16	1.5 - 16	1.5 - 16	1.5 - 16
1.5 - 6	1.5 - 6	1.5 - 6	- 1.5 - 10
16			
M5			
2.3 - 3			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
AKG 16 BK	**0423030**	50
AKG 16 GNYE	**0423027**	50
AKG 16 BU	**0423014**	50
AK 16	**0404033**	50

Technical data

Width	Length	Height	
14.3	**27**	**39**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
125		**2.5 - 35**	**14 - 2**
IEC / EN IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	300	-	-
125 / 35	115 / -	135 / -	-
35	-	-	-
14 - 2	18-2	18-2	-
solid	stranded	Ferrule Without / with plastic sleeve	
2.5 - 35	2.5 - 35	2.5 - 35	2.5 - 35
1.5 - 16	1.5 - 16	1.5 - 16	- 1.5 - 10
16			
M6			
3.2 - 3.7			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
AKG 35 BK	**0424039**	50
AKG 35 GNYE	**0424026**	50
AKG 35 BU	**0424013**	50
AK 35	**0404046**	50

Neutral busbar



3 x 10 mm



6 x 6 mm

	Technical data		
Dimensions	Width	Length	Height
[mm]	**10**	**1000**	**3**
General data			
Material	Copper		

	Technical data		
Width	Length	Height	
6	**1000**	**6**	
Copper			

	Ordering data		
Description / Color	**Type**	**Order No.**	Pcs. / Pkt.
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A			
silver	**NLS-CU 3/10 SN 1000MM**	**0402174**	10
PEN conductor busbar, in accordance with DIN VDE 0611-4, 6 x 6 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A			
silver			

	Ordering data		
Type	**Order No.**	Pcs. / Pkt.	
NLS-CU 6/ 6 SN 1000MM	**0402161**	10	

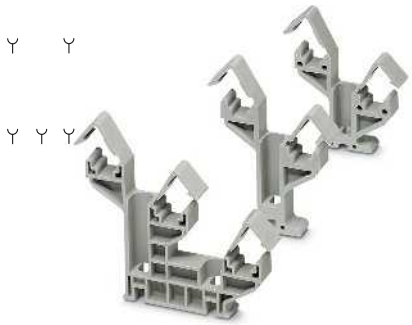
Supports for neutral busbars

There is a choice of three support frames available as support for busbars:
– The AB/SS for one rail
– The AB 2/SS for offset arrangement of neutral and (PE) busbars
– The lower ABN 2/SS

Notes:
For dimensional drawings, see www.phoenixcontact.net/products



Support frame for SK shield connection clamps



Support, multi-level, insulated

	Technical data		
Dimensions	Width	Length	Height
[mm]	**19.4**	**23.4**	**21.7**
General data			
Material	PA		
Inflammability class according to UL 94	V2		

	Technical data		
Width	Length	Height	
19	**42**	**48**	
PA			
V2			

	Ordering data		
Description / Color	**Type**	**Order No.**	Pcs. / Pkt.
Support, insulated, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars			
gray	**AB/SS**	**0404428**	10
Double support, insulating material, optionally for use with 3 x 10 mm or 6 x 6 mm neutral busbar			
Height 48 mm / gray			
Height 36.8 mm / gray			
Triple support frame, made from insulation material			
gray			

	Ordering data		
Type	**Order No.**	Pcs. / Pkt.	
AB2/SS	**0404431**	10	
ABN 2/SS	**0404460**	10	
AB3/SS	**0800086**	10	

Power terminal blocks



10 (16) mm², 76 A, power terminal block



35 (35) mm², 125 A, power terminal block

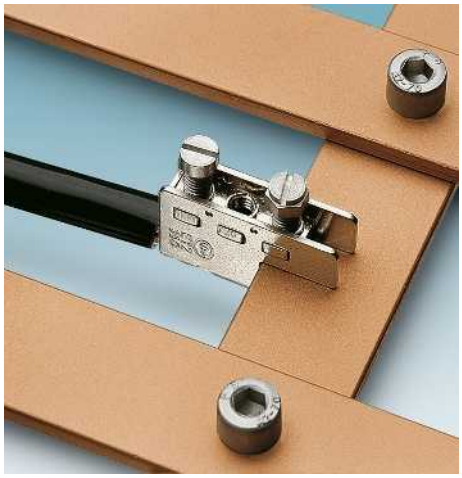
Technical data				
Dimensions	Width	Length	Height	
[mm]	**8**	**40**	**36**	
Max. electrical data	$I_{max.}$ [A]		max. Ø [mm²]	AWG
	76		**0.5 - 16**	**20 - 6**
Rated data	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section [A] / [mm²]	57 / 10	- / -	-	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.5 - 16	0.5 - 10	0.5 - 16	0.5 - 10
Two conductors (of the same type) [mm²]	0.5 - 10	0.5 - 10	0.5 - 10	-
General data				
Stripping length [mm]	14			
Tightening torque [Nm]	2.5 - 3			

Ordering data			
Description / Color	**Type** / I_{max}	**Order No.**	Pcs. / Pkt.
Power terminal block, copper, nickel-plated / aluminum	**EK 116**	**0401010**	10

Technical data				
Dimensions	Width	Length	Height	
[mm]	**12**	**40**	**37**	
Max. electrical data	$I_{max.}$ [A]		max. Ø [mm²]	AWG
	125		**0.75 - 35**	**18 - 2**
Rated data	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section [A] / [mm²]	125 / 35	- / -	-	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
Two conductors (of the same type) [mm²]	0.75 - 10	0.75 - 10	0.75 - 10	-
General data				
Stripping length [mm]	14			
Tightening torque [Nm]	3.2 - 3.7			

Ordering data			
Description / Color	**Type** / I_{max}	**Order No.**	Pcs. / Pkt.
Power terminal block, copper, nickel-plated / aluminum	**EK 135**	**0401023**	10

Branch terminals



- A branch of flat copper busbars often has to be produced in switch systems
- This can be done easily with the branch terminal because the terminal block can be attached and firmly clamped anywhere on a copper rail (up to max. 5 mm thick) later on



35 (35) mm², 125 A, branch terminal

Technical data				
Dimensions	Width	Length	Height	
[mm]	**12**	**40**	**36**	
Max. electrical data	$I_{max.}$ [A]		max. Ø [mm²]	AWG
	125		**0.75 - 35**	**18 - 2**
Rated data	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section [A] / [mm²]	125 / 35	- / -	-	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
Two conductors (of the same type) [mm²]	0.75 - 10	0.75 - 10	0.75 - 10	-
Two stranded conductors with a TWIN ferrule [mm²]				0.75 - 10
General data				
Stripping length [mm]	15			
Tightening torque [Nm]	3.2 - 3.7			

Ordering data			
Description / Color	**Type** / I_{max}	**Order No.**	Pcs. / Pkt.
Branch terminal, for connection to copper bars up to 5 mm thick / aluminum	**AZK 35**	**0702997**	10

UDB ... trunk line branch terminals

N





25 (25) mm², 101 A, trunk line branch terminal, 2 x 16 mm² feeders

- The branch terminals from the UDB ... series are suitable for the simple voltage pick-off of main supply cables up to 35 mm².
- The UDB ... blocks are used in counter and marshalling cabinets
- They meet the requirements of DIN VDE 0603−2/EN 60998−1
- The touch-proof blocks can be snapped together in a modular fashion depending on the application and attached to NS 35 DIN rails according to EN 60715
- Available in two terminal block versions up to 25 mm² or up to 35 mm²
- Available in the five current conductor colors, e.g., for three-phase cables

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**23**	**46**	**42**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		101	**400**	**1.5 - 25**	**8 - 2**
Rated data		IEC 60998-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	101 / 25	- / -	- / -	-
Rated cross section	[mm²]	25	-	-	-
Cross section range	AWG	8 - 2	-	-	-
Supply connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	1.5 - 25	10 - 25	1.5 - 16	1.5 - 10
Branch connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	1.5 - 16	-	1.5 - 10	1.5 - 6
General data					
Stripping length	[mm]	16			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...	gray	**UDB 2X25/16 GY**	**3071355**	5
	black	**UDB 2X25/16 BK**	**3071356**	5
	brown	**UDB 2X25/16 BN**	**3071357**	5
	blue	**UDB 2X25/16 BU**	**3071358**	5
	green	**UDB 2X25/16 GN**	**3071359**	5

Accessories

Screwdriver	**SF-PZSL 1-80 VDE**	**1212556**	10
Marking	**0815677 EML (15X9)R**		



N



35 (35) mm², 125 A, trunk line branch terminal, 2 x 25 mm² feeders

Technical data

Width	Length	Height NS 35/7,5	
27	**55**	**46**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
125	**400**	**10 - 35**	**8 - 2**
IEC 60998-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
125 / 35	- / -	- / -	-
35	-	-	-
8 - 2	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
10 - 35	10 - 25	10 - 25	10 - 16
solid	stranded	Ferrule Without / with plastic sleeve	
1.5 - 25	-	1.5 - 16	1.5 - 10
25			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UDB 2X35/25 GY	**3071350**	5
UDB 2X35/25 BK	**3071351**	5
UDB 2X35/25 BN	**3071352**	5
UDB 2X35/25 BU	**3071353**	5
UDB 2X35/25 GN	**3071354**	5

Accessories

SF-PZSL 2-100 S-VDE	**1212700**	10
0815677 EML (15X9)R		


PT
PT

PT push-in connection terminal blocks

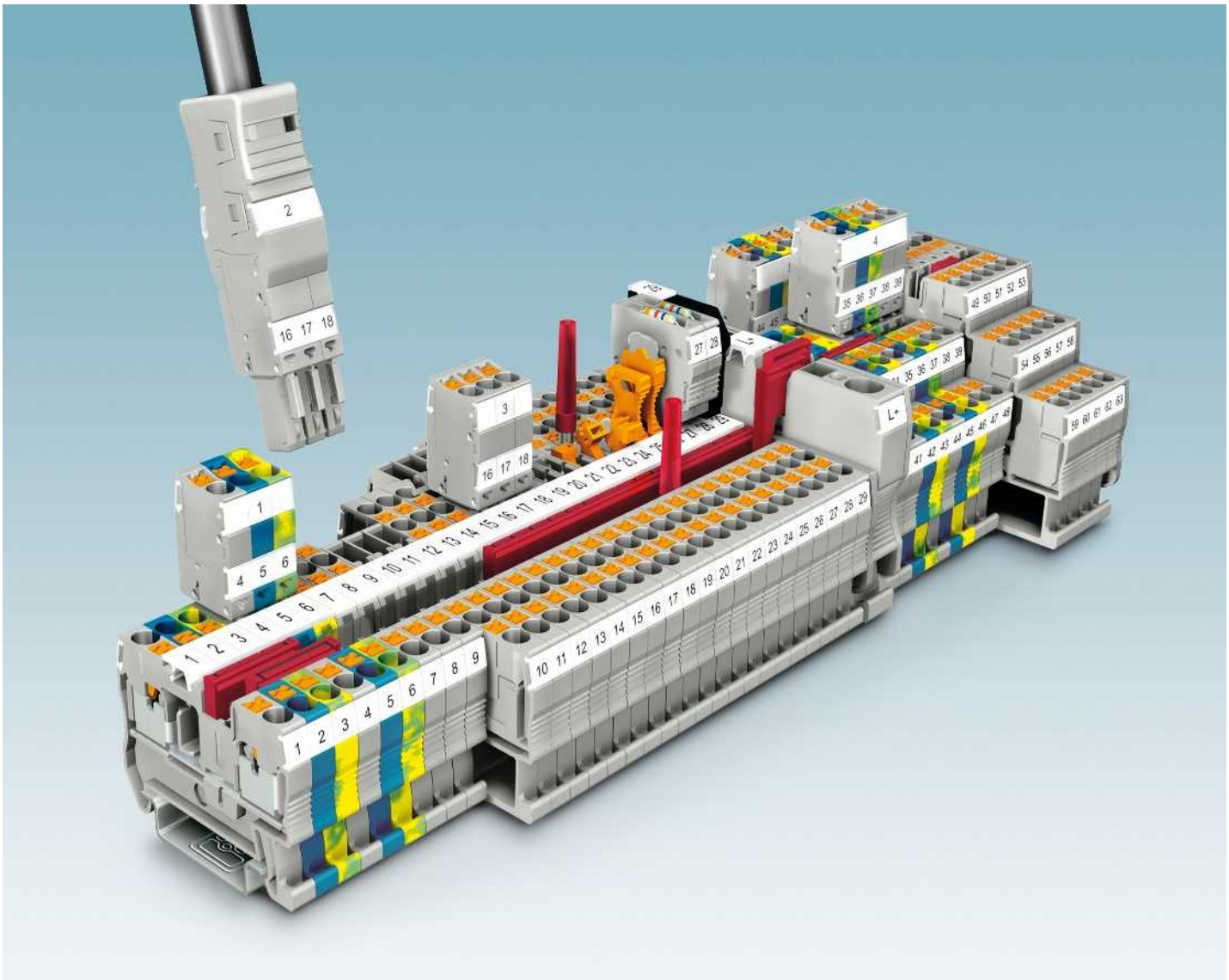
The PT push-in connection terminal blocks from the CLIPLINE complete system have been developed for direct conductor connection and offer a wide range of application options. Easy handling and direct, tool-free connection with up to 50 percent lower insertion forces are the key advantages of this terminal technology. When solid conductors or conductors with ferrules from 0.34 mm² are inserted, the contact spring is automatically opened and provides the required pressure force against the current bar.

The integrated actuation lever allows you to release conductors or to connect small conductor cross sections from 0.14 mm² with any type of tool - easily and without direct contact with live parts.

The PT connection technology has been tested and approved for a range of approvals. These include, for example, vibration resistance according to railway standard EN 50155 and shock and corrosion resistance according to current shipbuilding registers. It is also certified for process engineering in areas with increased safety (Ex e).

Product range overview

PT push-in connection terminal blocks	**102**
Feed-through terminal blocks	**104**
Ground terminal blocks	**112**
Feed-through and PE terminal blocks with 3 connections	**116**
Feed-through and PE terminal blocks with 4 connections	**124**
Double-level terminal blocks	**128**
Three-level terminal blocks	**134**
Three-conductor initiator/actuator terminal blocks	**138**
Four-conductor initiator/actuator terminal blocks	**140**
Lever-type fuse and disconnect terminal blocks	**142**
Fuse terminal blocks for auto flat-type fuses	**143**
Disconnect terminal blocks for accommodating function plugs	**146**
Knife disconnect terminal blocks	**150**
Test disconnect terminal blocks	**155**
Diode terminal blocks	**160**
Double-level diode terminal blocks	**162**
Terminal block bases for potential distribution	**166**
Desk-design feed-through and double-level terminal blocks	**168**
Desk-design ground terminal blocks	**172**
Mini terminal blocks	**176**
PTI push-in installation terminal blocks	**178**
Installation terminal blocks	**180**
Ground terminal blocks	**182**
Installation neutral conductor disconnect terminal blocks	**184**
Three-level installation terminal blocks	**186**
Three-level installation terminal blocks with disconnect zone	**195**





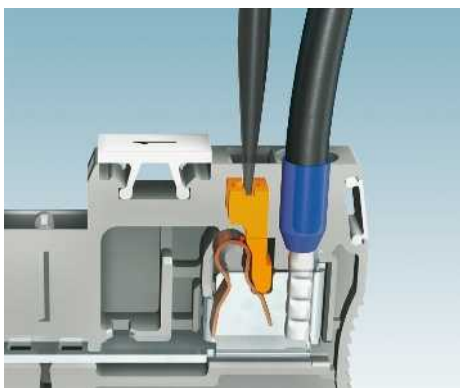
Push-in connection technology

The PT series is characterized by the easy, direct conductor connection and makes consistent use of the benefits of the CLIPLINE complete system.



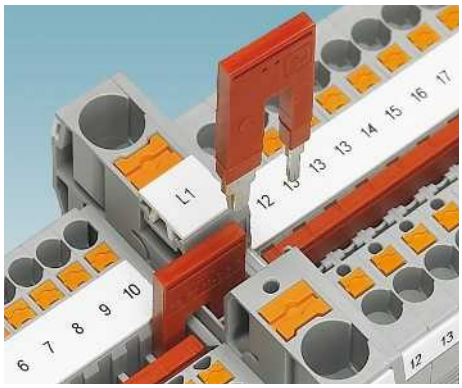
Easy insertion

The up to 50 percent reduction in insertion force offered by push-in technology supports simple and direct insertion of solid and stranded conductors featuring ferrules with a cross section of 0.34 mm² or higher.

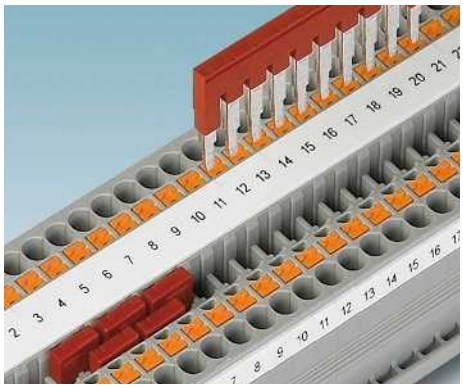


Latch function

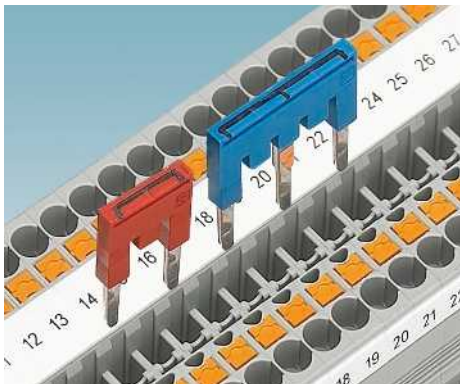
The integrated latch allows you to release connections with any type of tool – easily and without direct contact with live parts.



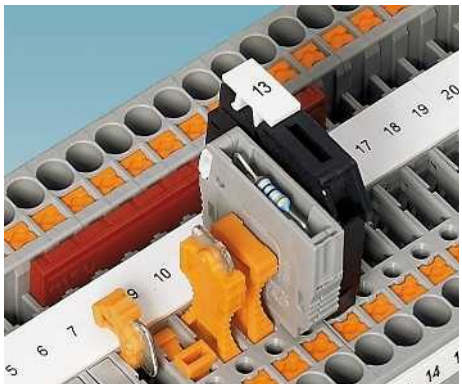
The reducing bridge allows terminal blocks with different nominal cross sections to be connected with ease, e.g., a PT 10 push-in terminal block to a PT 2,5. Power blocks can be created quickly using the reducing bridge.



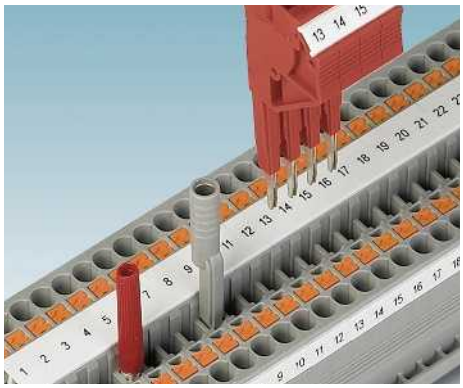
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2 to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



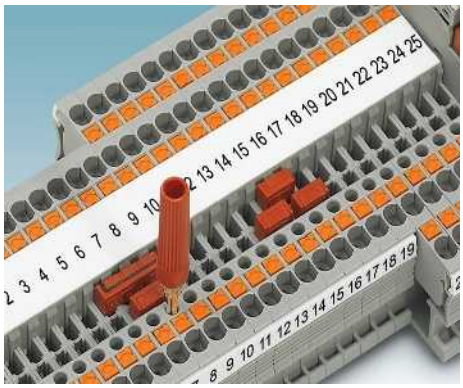
A jumping bridge is created by removing individual contact guides from the standard bridge. Two potentials can then be routed in parallel. The contact points can also be marked.



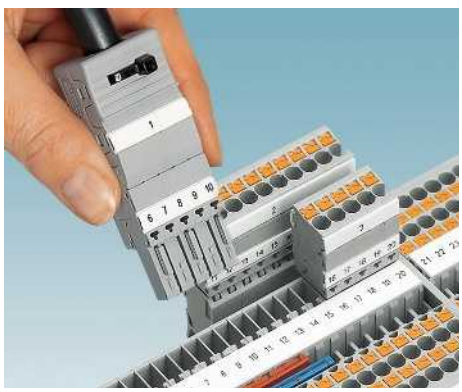
The P-FIX isolated feed-through connector, P-DI isolating plug, P-CO component plug, and P-FU cartridge fuse plug can be used in the universal plug-in zone of the disconnect terminal block.



A test plug with a 2.3 mm diameter is available for measuring lines. All measurement and test work can be completed at speed using test adapters for 4 mm diameter test plugs and the modular test plugs.



As well as offering a testing facility in the double function shaft, all push-in technology terminal blocks offer an additional test contact for test plugs with a 2.3 mm diameter.



Push-in COMBI terminal blocks are available for the plug-in configuration of signal wiring. The system is touch-proof and offers self-assembly plugs with extensive accessories.

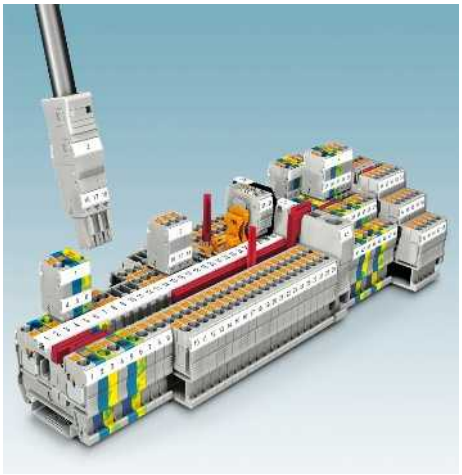


Auto flat-type fuse terminal blocks with a 4 mm² conductor connection are available in the same shape as the feed-through terminal blocks. All terminal blocks can be continuously bridged with one another with the double function shaft.



The compact lever-type fuse terminal blocks are of the same shape as the feed-through terminal blocks and can be labeled and bridged continuously. A time-saving potential distribution is easily created using a jumping bridge.

PT ... feed-through terminal blocks



The push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and the following features:

– Single and tool-free wiring of conductors with ferrules or solid conductors
– Stranded conductors with ferrules can be inserted directly with PT 2,5 (from 0.34 mm²) and PT 4 (from 0.5 mm²)
– The actuation lever allows you to release conductors with any type of tool without contacting live parts
– The compact design and front connection enable wiring in a small amount of space
– As well as the testing facility in the dual function shaft, all terminal blocks provide an additional test connection

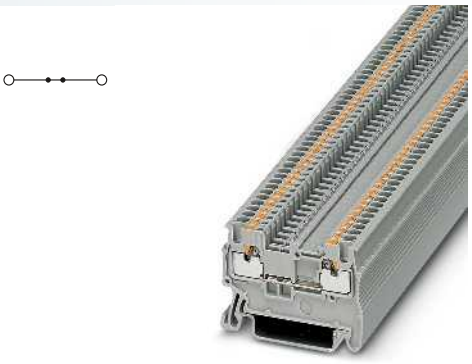
Terminal strip service

We produce fully pre-assembled terminal strips for fitting straight into the control cabinet or switch system. This simplifies installation, saves time, and cuts costs.

Notes:

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.

[2]) The reducing bridge table should be followed, see page 476.



1.5 (1.5) mm², 17.5 A, feed-through terminal block

Technical data

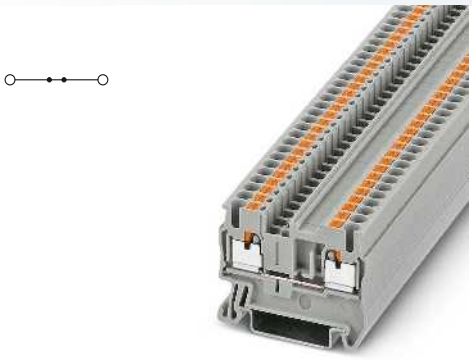
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		3.5	**45**	**32**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		17.5	**500**	**0.14 - 1.5** / **26 - 14**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / - / -
Rated cross section	[mm²]	1.5	-	- / -
Cross section range	AWG	26 - 14	26-14	26-14 / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 / 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PT 1,5/S**		**3208100**	50
		blue	**PT 1,5/S BU**		**3208126**	50

Accessories[1])

Cover, width 2.2 mm		gray	**D-PT 1,5/S**		**3208142**	50
Cover, 0.8 mm width		orange				
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white				
0.25 - 0.5 mm²		gray				
0.75 - 1 mm²		black				
Plug-in bridge						
	2	red	**FBS 2-3,5**	17.5 A	**3213014**	50
	3	red	**FBS 3-3,5**	17.5 A	**3213027**	50
	4	red	**FBS 4-3,5**	17.5 A	**3213030**	50
	5	red	**FBS 5-3,5**	17.5 A	**3213043**	50
	10	red	**FBS 10-3,5**	17.5 A	**3213056**	50
	20	red	**FBS 20-3,5**	17.5 A	**3213069**	50
Reducing bridge[2])						
	2	red	**RB ST (2,5/4)-1,5/S**		**3214356**	10
Partition plate, 2 mm width		gray	**ATP-ST 4**		**3030721**	50
Test adapter, 4-mm test socket hole		gray				
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red				
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10
Center groove labeling			**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**			
Center and lateral groove labeling			**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**			



2.5 (4) mm², 30 A, feed-through terminal block

Ex:
PTB 09ATEX1111U / IECEx PTB 10.0021U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**48.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**800**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
24 / 2.5	20 / -	20 / -	28
2.5	-	-	2.5
26 - 12	26-12	26-12	26 - 12
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

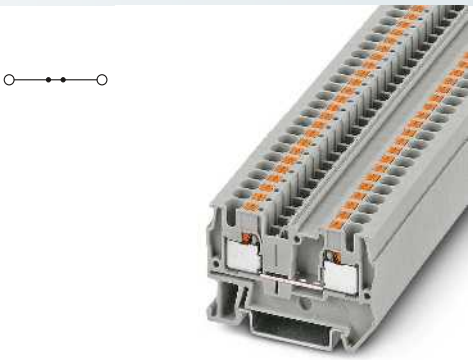
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5		**3209510**	50
PT 2,5 BU		**3209523**	50

Accessories[1])

D-ST 2,5		**3030417**	50
D-ST 2,5-0,8 OG		**3030511**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST 4		**3030721**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



4 (6) mm², 38 A, feed-through terminal block

Ex:
PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**56**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
38	**800**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
32 / 4	30 / -	30 / -	27
4	-	-	4
24 - 10	24-10	24-10	24 - 10
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

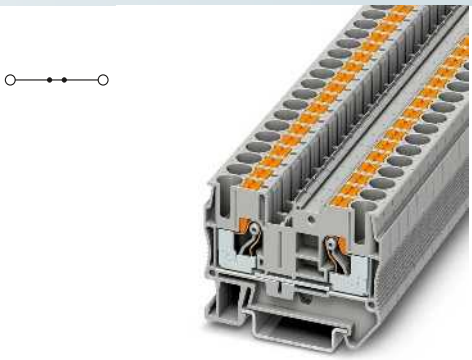
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 4		**3211757**	50
PT 4 BU		**3211760**	50

Accessories[1])

D-ST 4		**3030420**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
RB ST (2,5/4)-1,5/S		**3214356**	10
ATP-ST 4		**3030721**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)



6 (10) mm², 52 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**57.7**	**43.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
52	**1000**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	600	-
41 / 6	40 / -	40	-
6	-	-	-
20 - 8	20-8	20-8	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
			0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 6		**3211813**	50
PT 6 BU		**3211819**	50

Accessories[1])

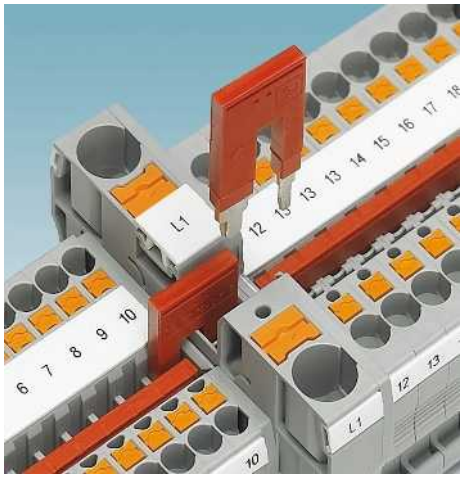
D-PT 6		**3212044**	50
FBS 2-8	24 A	**3030284**	10
FBS 3-8	24 A	**3030297**	10
FBS 4-8	24 A	**3030307**	10
FBS 5-8	24 A	**3030310**	10
FBS 10-8	24 A	**3030323**	10
RB ST 6-1,5/S		**3213250**	10
ATP-ST 6		**3024481**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
SZF 2-0,8X4,0		**1204520**	10

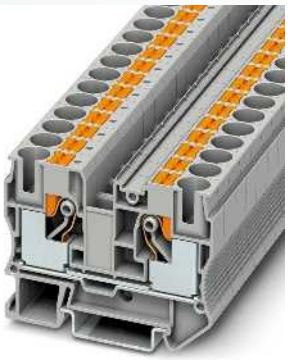
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

PT ... feed-through terminal blocks

Notes:

[1]) The reducing bridge table should be followed, see page 476.





10 (16) mm², 70 A, feed-through terminal block

- The double bridge shaft not only enables individual chain bridging, but also reducing bridging to push-in terminal blocks with smaller cross sections
- The flexible options for reducing bridging in the CLIPLINE complete system can be found in the "Accessories" section

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		10.2	**67.7**	**50.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		70	**1000**	**0.5 - 16** / **20 - 6**
Rated data		IEC 60947-7-1 / IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	1000	600	- / -
Nominal current / cross section	[A] / [mm²]	57 / 10	60 / -	- / -
Rated cross section	[mm²]	10	-	- / -
Cross section range	AWG	20 - 6	20-6	- / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 10 / 0.5 - 10
Two stranded conductors with a TWIN ferrule	[mm²]			/ 1.5 - 4
Direct plug-in connection cross sections	[mm²]	1 - 16	-	4 - 10 / 2.5 - 10
General data				
Stripping length	[mm]	18		
Insulating material		PA		
Inflammability class according to UL 94		V0		

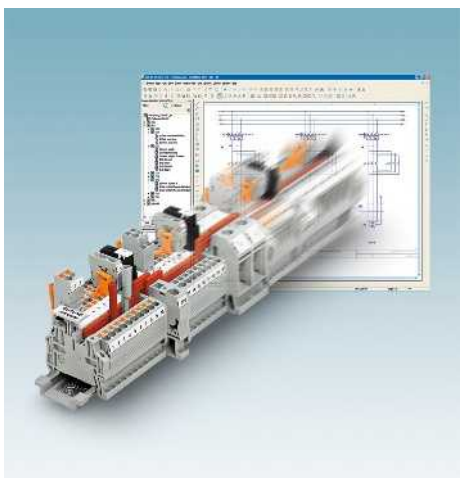
Ordering data

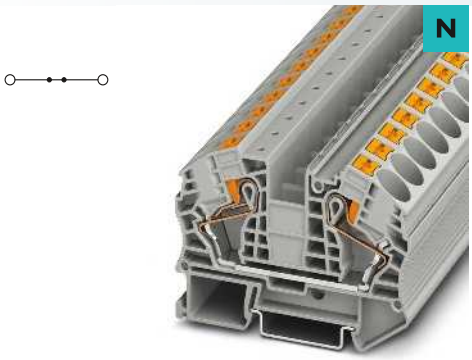
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PT 10**		**3212120**	50
		blue	**PT 10 BU**		**3212123**	50

Accessories

Cover, width 2.2 mm		gray	**D-PT 10**		**3212057**	50
Plug-in bridge	2	red	**FBS 2-10**	57 A	**3005947**	10
Reducing bridge[1])	2	red	**RB ST 10-(2,5/4)**		**3030873**	10
Screwdriver			**SZF 3-1,0X5,5**		**1206612**	10

Center groove labeling	**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 10, UCT-TMF 10 or ZBF 10 (see Catalog 5)**





16 (25) mm², 90 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/7,5	
12.2	**75.4**	**52.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
90	**1000**	**0.5 - 25**	**20 - 4**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
76 / 16	- / -	-	-
16	-	-	-
20 - 4	-	-	-
solid	stranded	Ferrule	Without / with plastic sleeve
0.5 - 25	0.5 - 16	0.5 - 16	0.5 - 16
			1.5 - 4
2.5 - 25	-	2.5 - 16	2.5 - 16
18			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 16 N		**3212138**	50
PT 16 N BU		**3212142**	50

Accessories

D-PT 16 N		**3212060**	50
FBS 2-12	76 A	**3005950**	10
RB ST 16-(2,5/4)		**3030886**	10
SZF 3-1,0X5,5		**1206612**	10

UC-TM 12, UCT-TM 12 or ZB 12
(see Catalog 5)
UC-TMF 12, UCT-TMF 12 or ZBF 12
(see Catalog 5)

PTPOWER 95... high-current terminal blocks



- Quick and easy connection is now also possible for large conductors. With the PTPOWER 95 high-current terminal block with push-in connection, conductors up to 95 mm² can be directly contacted.
- Direct connection without manually opening the terminal point
- To release the conductor, simply press the release button with a standard screwdriver

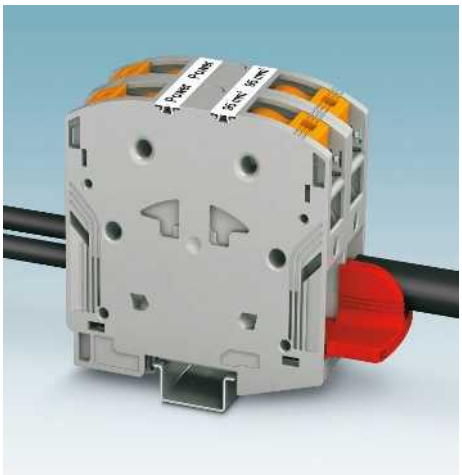


The pre-assembled terminal block bases reduce mounting and storage costs. The right terminal block base is available for every function.



The fully-insulated and snap-on (optional) AGK pick-off terminal blocks enable a voltage pick-off for two 16 mm² conductors.

- Large area for labeling
- Safe latching



Insertion bridges are available for easy potential distribution.

Notes:

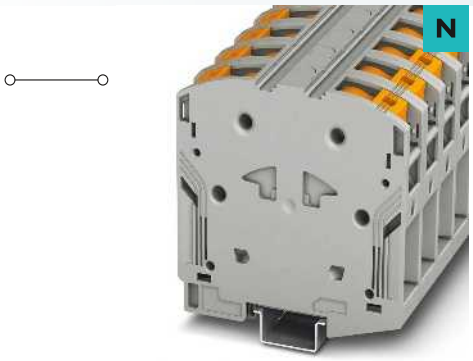
[1]) The total current of all connected conductors must not exceed the max. load current.

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
Direct plug-in connection cross sections	[mm²]
Max. cross section with insertion bridge	[mm²]
General data	
Stripping length	[mm]
Insulating material	
Inflammability class according to UL 94	

Description	No. of pos.	Color
Terminal block, for mounting on NS 35/15		gray
		blue
		black/yellow
with 4 mm test connection		gray
with 4 mm test connection		blue
Terminal block base, for direct mounting, with three gray feed-through terminal blocks		gray
four feed-through terminal blocks, 3 x gray, 1 x blue		gray/blue
four feed-through terminal blocks, 3 x gray, 1 x black-yellow		gray/black-yellow
five feed-through terminal blocks, 3 x gray, 1 x blue, 1 x black-yellow		gray/blue/ black-yellow
Pick-off terminal block, for snapping into the lateral guide, two 10 mm² connections		gray
		blue
		green/yellow
		black/yellow

Insertion bridge, fully insulated		
	2	red
	3	red
Test plug metal part, 2.3 mm Ø		
Insulating sleeve, for MPS metal part		red
Screwdriver		

Center groove labeling



95 (95) mm², 232 A, feed-through terminal block



95 (95) mm², 232 A, terminal block base



10 (16) mm², 57 A, pick-off terminal block, 2 connections

Technical data

Width	Length	Height NS 35/15	
25	**105.5**	**108.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
232	**1500**	**25 - 95**	**4 - 3/0**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1500	-	-	-
232 / 95	- / -	-	-
95	-	-	-
4 - 3/0	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
25 - 95	25 - 95	25 - 95	25 - 95
25 - 95	-	25 - 95	25 - 95
95	70		
40			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTPOWER 95		**3260100**	10
PTPOWER 95 BU		**3260103**	10
PTPOWER 95-FE		**3260139**	10
PTPOWER 95 P		**3260163**	10
PTPOWER 95 P BU		**3260166**	10

Accessories

EB 2-25/PT	150 A	**3260157**	10
EB 3-25/PT	150 A	**3260160**	10
SZF 3-1,0X5,5		**1206612**	10

UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 5)

Technical data

Width	Length	Height NS 35/15	
75	**105.5**	**108.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
232	**1500**	**25 - 95**	**4 - 3/0**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1500	-	-	-
232 / 95	- / -	-	-
95	-	-	-
4 - 3/0	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
25 - 95	25 - 95	25 - 95	25 - 95
25 - 95	-	25 - 95	25 - 95
95	70		
40			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTPOWER 95-3L		**3260109**	4
PTPOWER 95-3L/N		**3260112**	2
PTPOWER 95-3L/FE		**3260115**	2
PTPOWER 95-3L/N/FE		**3260118**	2

Accessories

EB 2-25/PT	150 A	**3260157**	10
EB 3-25/PT	150 A	**3260160**	10
SZF 3-1,0X5,5		**1206612**	10

UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 5)

Technical data

Width	Length	Height NS 35/15	
18.5	**35**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57[1])	**1500**	**0.5 - 16**	**20 - 6**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1500	-	-	-
57[1]) / 10	- / -	-	-
10	-	-	-
20 - 6	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 10
			1.5 - 2.5
1 - 16	-	4 - 10	2.5 - 10
18			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
AGK 10-PTPOWER	**3260145**	10
AGK 10-PTPOWER BU	**3260148**	10
AGK 10-PTPOWER GN/YE	**3260151**	10
AGK 10-PTPOWER BK/YE	**3260154**	10

Accessories

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
SZF 3-1,0X5,5	**1206612**	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

PTPOWER 95...-F high-current terminal blocks for direct mounting



– Quick and easy connection is now also possible for large conductors. With the PTPOWER 95 high-current terminal block with push-in connection, conductors up to 95 mm² can be directly contacted.
– Direct connection without manually opening the terminal point
– To release the conductor, simply press the release button with a standard screwdriver

Notes:

For drilling diagram, see www.phoenixcontact.net/products

[1]) The total current of all connected conductors must not exceed the max. load current.

N



95 (95) mm², 233 A, feed-through terminal block, for direct mounting

Technical data

Dimensions		Width	Length	Height	
	[mm]	**25**	**139.1**	**99.8**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		232	**1500**	**25 - 95**	**4 - 3/0**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1500	-	-	-
Nominal current / cross section	[A] / [mm²]	232 / 95	- / -	-	-
Rated cross section	[mm²]	95	-	-	-
Cross section range	AWG	4 - 3/0	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	25 - 95	25 - 95	25 - 95	25 - 95
Two stranded conductors with a TWIN ferrule	[mm²]				
Direct plug-in connection cross sections	[mm²]	25 - 95	-	25 - 95	25 - 95
Max. cross section with insertion bridge	[mm²]	95	70		
General data					
Stripping length	[mm]	40			
Insulating material		PA			
Inflammability class according to UL 94		V0			

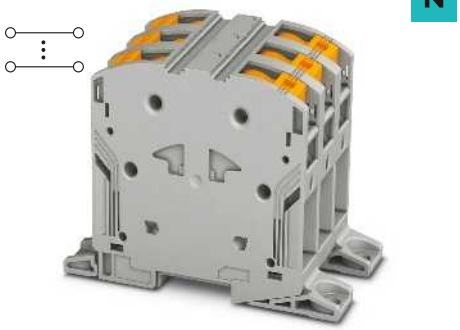
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for direct mounting		gray	**PTPOWER 95-F**		**3260133**	10
		blue	**PTPOWER 95-F BU**		**3260136**	10
		black/yellow	**PTPOWER 95-FE-F**		**3260142**	10
Terminal block base, for direct mounting, with three gray feed-through terminal blocks		gray				
four feed-through terminal blocks, 3 x gray, 1 x blue		gray/blue				
four feed-through terminal blocks, 3 x gray, 1 x black-yellow		gray/black-yellow				
five feed-through terminal blocks, 3 x gray, 1 x blue, 1 x black-yellow		gray/blue/ black-yellow				
Pick-off terminal block, for snapping into the lateral guide, two 10 mm² connections		gray				
		blue				
		green/yellow				
		black/yellow				

Accessories

Insertion bridge, fully insulated						
	2	red	**EB 2-25/PT**	150 A	**3260157**	10
	3	red	**EB 3-25/PT**	150 A	**3260160**	10
Test plug metal part, 2.3 mm Ø						
Insulating sleeve, for MPS metal part		red				
Screwdriver			**SZF 3-1,0X5,5**		**1206612**	10
Center groove labeling			**UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 5)**			

N



95 (95) mm², 232 A, terminal block base, for direct mounting

N



10 (16) mm², 57 A, pick-off terminal block, 2 connections

Technical data

Width	Length	Height	
75	**139.1**	**99.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
232	**1500**	**25 - 95**	**4 - 3/0**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1500	-	-	-
232 / 95	- / -	-	-
95	-	-	-
4 - 3/0	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
25 - 95	25 - 95	25 - 95	25 - 95
25 - 95	-	25 - 95	25 - 95
95	70		
40			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTPOWER 95-3L-F		**3260121**	4
PTPOWER 95-3L/N-F		**3260124**	2
PTPOWER 95-3L/FE-F		**3260127**	2
PTPOWER 95-3L/N/FE-F		**3260130**	2

Accessories

EB 2-25/PT	150 A	**3260157**	10
EB 3-25/PT	150 A	**3260160**	10
SZF 3-1,0X5,5		**1206612**	10

UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 5)

Technical data

Width	Length	Height	
18.5	**35**	**34.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57[1]	**1500**	**0.5 - 16**	**20 - 6**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1500	-	-	-
57[1]) / 10	- / -	-	-
10	-	-	-
20 - 6	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 10
			1.5 - 2.5
1 - 16	-	4 - 10	2.5 - 10
18			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
AGK 10-PTPOWER	**3260145**	10
AGK 10-PTPOWER BU	**3260148**	10
AGK 10-PTPOWER GN/YE	**3260151**	10
AGK 10-PTPOWER BK/YE	**3260154**	10

Accessories

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
SZF 3-1,0X5,5	**1206612**	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

PT ...-PE ground terminal blocks

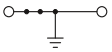


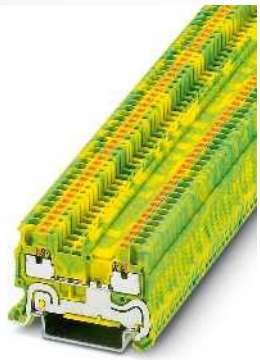
- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947−7−2 are met

Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.





1.5 (1.5) mm², ground terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		3.5	**45**	**32**
Max. electrical data				
				max. Ø [mm²] / AWG
				0.14 - 1.5 / 26 - 14
Rated data		IEC 60947-7-2		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	-	-	-
Nominal current / cross section	[A] / [mm²]	-	- / -	-
Rated cross section	[mm²]	1.5	-	-
Cross section range	AWG	26 - 14	26-14	26-14
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 / 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

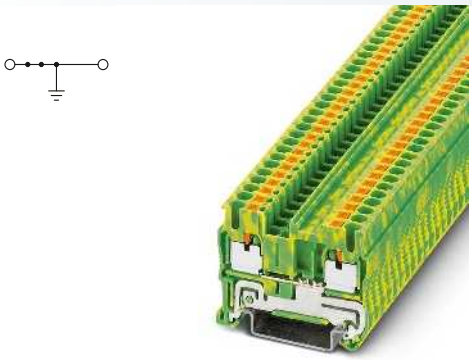
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**PT 1,5/S-PE**	**3208139**	50

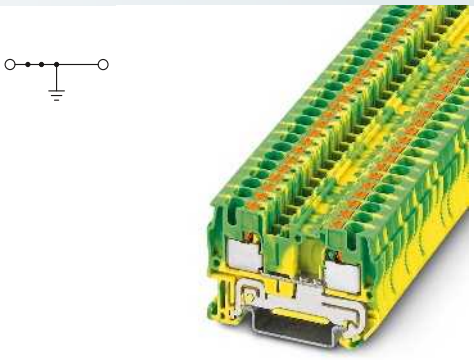
Accessories[1])

Cover, width 2.2 mm		gray	**D-PT 1,5/S**	**3208142**	50
Cover, 0.8 mm width		orange			
Insulation stop sleeve, cross section range:					
0.08 - 0.2 mm²		white			
0.25 - 0.5 mm²		gray			
0.75 - 1 mm²		black			
Plug-in bridge					
	2	red	**FBS 2-3,5**	**3213014**	50
	3	red	**FBS 3-3,5**	**3213027**	50
	4	red	**FBS 4-3,5**	**3213030**	50
	5	red	**FBS 5-3,5**	**3213043**	50
	10	red	**FBS 10-3,5**	**3213056**	50
	20	red	**FBS 20-3,5**	**3213069**	50
Partition plate, 2 mm width		gray	**ATP-ST 4**	**3030721**	50
Test adapter, 4-mm test socket hole		gray			
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red			
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10

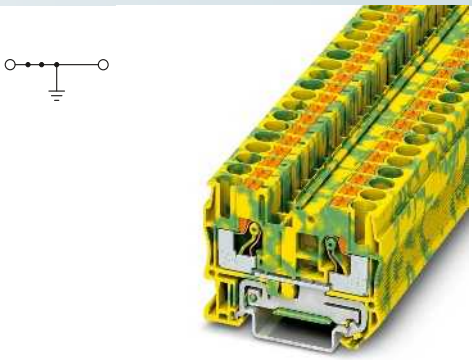
Center groove labeling	**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**
Center and lateral groove labeling	**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**



2.5 (4) mm², ground terminal block



4 (6) mm², ground terminal block



6 (10) mm², ground terminal block

Ex:
PTB 09ATEX1111U / IECEx PTB 10.0021U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**48.5**	**36.5**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	2.5
26 - 12	26-12	26-12	26 - 12
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PT 2,5-PE	**3209536**	50

Accessories[1])

D-ST 2,5	**3030417**	50
D-ST 2,5-0,8 OG	**3030511**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-ST 4	**3030721**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5
(see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5
(see Catalog 5)

Ex:
PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**56**	**36.5**	
		max. Ø [mm²]	AWG
		0.2 - 6	**24 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	4
24 - 10	24-10	24-10	24 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PT 4-PE	**3211766**	50

Accessories[1])

D-ST 4	**3030420**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-ST 4	**3030721**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6
(see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6
(see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**57.7**	**43.5**	
		max. Ø [mm²]	AWG
		0.5 - 10	**20 - 8**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	-
20 - 8	20-8	20-8	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
			0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PT 6-PE	**3211822**	50

Accessories[1])

D-PT 6	**3212044**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
ATP-ST 6	**3024481**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-8	**3031005**	10
SZF 2-0,8X4,0	**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8
(see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8
(see Catalog 5)

PT ...-PE ground terminal blocks

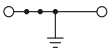
- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947-7-2 are met

PTPOWER 95-PE

- Quick and easy connection is now also possible for large conductors. With the PTPOWER 95-PE high-current terminal block with push-in connection, conductors up to 95 mm² can be directly contacted.
- Direct connection without manually opening the terminal point
- To release the conductor, simply press the release button with a standard screwdriver

Notes:

For current carrying capacity of DIN rails, see page 716.





10 (16) mm², 70 A, ground terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**10.2**	**67.7**	**50.5**
Dimensions		Width	Length	Height NS 35/15
	[mm]	**10.2**	**67.7**	**58**
Max. electrical data		$I_{max.}$ [A]		max. Ø [mm²] AWG
		70		**0.5 - 16** **20 - 6**
Rated data		IEC 60947-7-2 IEC	UL/CUL	CSA IEC/ EN 60079-7
Rated voltage	[V]	-	-	- -
Nominal current / cross section	[A] / [mm²]	57 / 10	- / -	- -
Rated cross section	[mm²]	10	-	- -
Cross section range	AWG	20 - 6	20-6	- -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 10 0.5 - 10
Two stranded conductors with a TWIN ferrule	[mm²]			1.5 - 4
Direct plug-in connection cross sections	[mm²]	1 - 16	-	4 - 10 2.5 - 10
General data				
Stripping length	[mm]	18		
Insulating material		PA		
Inflammability class according to UL 94		V0		

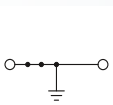
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**PT 10-PE**		**3212131**	50
Ground terminal block, for mounting on NS 35/15		green/yellow				

Accessories

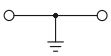
Pick-off terminal block, for snapping into the lateral guide, two 10 mm² connections		gray blue green/yellow black/yellow				
Cover, width 2.2 mm		gray	**D-PT 10**		**3212057**	50
Plug-in bridge	2	red	**FBS 2-10**	57 A	**3005947**	10
Insertion bridge, fully insulated	2	red				
	3	red				
Screwdriver			**SZF 3-1,0X5,5**		**1206612**	10

Center groove labeling	**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 10, UCT-TMF 10 or ZBF 10 (see Catalog 5)**





16 (25) mm², 90 A, ground terminal block





95 (95) mm², 232 A, ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
12.2	**75.4**	**52.6**	
Width	Length	Height NS 35/15	
12.2	**75.4**	**60.1**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
90		**0.5 - 25**	**20 - 4**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
76 / 16	- / -	-	-
16	-	-	-
20 - 4	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 25	0.5 - 16	0.5 - 16	0.5 - 16 1.5 - 4
2.5 - 25	-	2.5 - 16	2.5 - 16
18			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
25	**105.5**	**-**	
Width	Length	Height NS 35/15	
25	**105.5**	**108.7**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
232		**25 - 95**	**4 - 3/0**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
232 / 95	- / -	-	-
95	-	-	-
4 - 3/0	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
25 - 95	25 - 95	25 - 95	25 - 95
25 - 95	-	25 - 95	25 - 95
40			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 16 N-PE		**3212147**	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTPOWER 95-PE		**3260106**	10

Accessories

D-PT 16 N		**3212060**	50
FBS 2-12	76 A	**3005950**	10
SZF 3-1,0X5,5		**1206612**	10

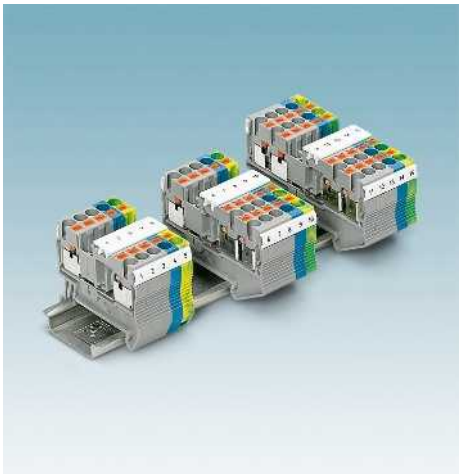
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)
UC-TMF 12, UCT-TMF 12 or ZBF 12 (see Catalog 5)

Accessories

AGK 10-PTPOWER		**3260145**	10
AGK 10-PTPOWER BU		**3260148**	10
AGK 10-PTPOWER GN/YE		**3260151**	10
AGK 10-PTPOWER BK/YE		**3260154**	10
EB 2-25/PT	150 A	**3260157**	10
EB 3-25/PT	150 A	**3260160**	10
SZF 3-1,0X5,5		**1206612**	10

UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 5)

PT ...-TWIN feed-through terminal blocks with 3 connections



The push-in multi-conductor terminal blocks with single-sided double connection enable:

– Space-saving and practical multi-conductor connection without additional bridge
– All potential distribution tasks can be undertaken with ease
– The continuous dual function shaft offers every opportunity for time-saving potential distribution and storing test accessories

End cover segments

– If two-conductor terminal blocks are aligned on three or four-conductor terminal blocks, cover segments cover protruding parts, see figure below
– Fingers are protected from contact



Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) For installation notes on the use of accessories for Ex e applications, see page 710.

[3]) The reducing bridge table should be followed, see page 476.



1.5 (1.5) mm², 17.5 A, feed-through terminal block, 3 connections

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		3.5	**54**	**32**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG
		17.5[1])	**500**	**0.14 - 1.5** **26 - 14**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA IEC/ EN 60079-7
Rated voltage	[V]	500	600	600 -
Nominal current / cross section	[A] / [mm²]	17.5[1]) / 1.5	15 / -	15 / - -
Rated cross section	[mm²]	1.5	-	- -
Cross section range	AWG	26 - 14	26-14	26-14 -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PT 1,5/S-TWIN**		**3208155**	50
		blue	**PT 1,5/S-TWIN BU**		**3208168**	50

Accessories[2])

Cover, width 2.2 mm		gray	**D-PT 1,5/S-TWIN**		**3208184**	50
Cover, 0.8 mm width		orange				
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray				
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white				
0.25 - 0.5 mm²		gray				
0.75 - 1 mm²		black				
Plug-in bridge						
	2	red	**FBS 2-3,5**	17.5 A	**3213014**	50
	3	red	**FBS 3-3,5**	17.5 A	**3213027**	50
	4	red	**FBS 4-3,5**	17.5 A	**3213030**	50
	5	red	**FBS 5-3,5**	17.5 A	**3213043**	50
	10	red	**FBS 10-3,5**	17.5 A	**3213056**	50
	20	red	**FBS 20-3,5**	17.5 A	**3213069**	50
Reducing bridge[3])						
	2	red	**RB ST (2,5/4)-1,5/S**		**3214356**	10
Partition plate, 2 mm width		gray	**ATP-ST-TWIN**		**3030789**	50
Test adapter, 4-mm test socket hole		gray				
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red				
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10
Lateral groove labeling			**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**			
Center and lateral groove labeling			**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**			



2.5 (4) mm², 30 A, feed-through terminal block, 3 connections

Ex: PTB 09ATEX1111U / IECEx PTB 10.0021U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	**800**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
24[1]) / 2.5	20 / -	20 / -	27
2.5	-	-	2.5
26 - 12	26-12	26-12	26 - 12
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

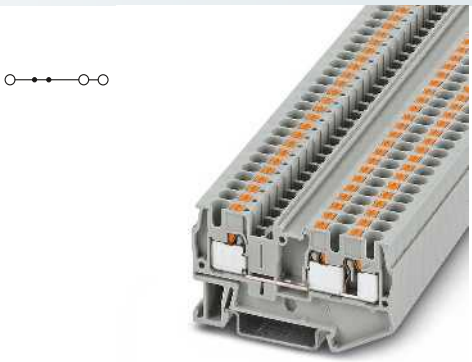
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-TWIN		**3209549**	50
PT 2,5-TWIN BU		**3209552**	50

Accessories[2])

D-ST 2,5-TWIN		**3030488**	50
D-ST 2,5-TWIN-0,8 OG		**3030512**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST-TWIN		**3030789**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



4 (6) mm², 38 A, feed-through terminal block, 3 connections

Ex: PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**66.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
38[1])	**800**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
32[1]) / 4	30 / -	30 / -	28.5
4	-	-	4
24 - 10	24-10	24-10	24 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 4-TWIN		**3211771**	50
PT 4-TWIN BU		**3211775**	50

Accessories[2])

D-PT 4-TWIN		**3208977**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
RB ST (2,5/4)-1,5/S		**3214356**	10
ATP-ST-TWIN		**3030789**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)



6 (10) mm², 52 A, feed-through terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
8.2	**74.2**	**43.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
52[1])	**1000**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
41[1]) / 6	40 / -	-	-
6	-	-	-
20 - 8	20-8	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
			0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

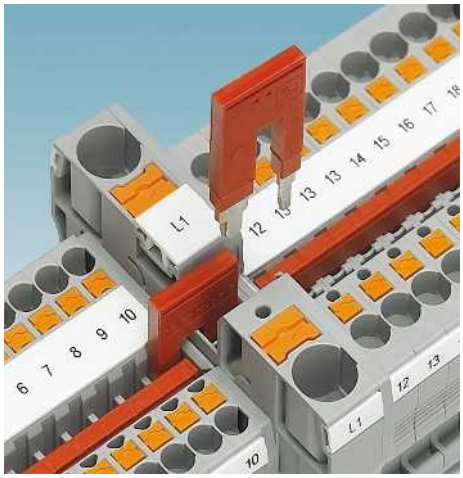
Type	I_{max}	Order No.	Pcs. / Pkt.
PT 6-TWIN		**3211929**	50
PT 6-TWIN BU		**3211485**	50

Accessories[2])

D-PT 6-TWIN		**3211508**	50
FBS 2-8	24 A	**3030284**	10
FBS 3-8	24 A	**3030297**	10
FBS 4-8	24 A	**3030307**	10
FBS 5-8	24 A	**3030310**	10
FBS 10-8	24 A	**3030323**	10
RB ST 6-(2,5/4)		**3030860**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

PT ...-TWIN feed-through terminal blocks with 3 connections



- The double bridge shaft not only enables individual chain bridging, but also reducing bridging to push-in terminal blocks with smaller cross sections
- The flexible options for reducing bridging in the CLIPLINE complete system can be found in the "Accessories" section
- Three and four-conductor terminal blocks are ideal for use as space-saving potential distributors in ring line systems or solar plants up to 1000 V, for example
- The large conductor connection space enables solar cables with an outside diameter of up to 7.5 mm to be accommodated, for example

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) The reducing bridge table should be followed, see page 476.



10 (16) mm², 70 A, feed-through terminal block, 3 connections

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**10.2**	**88.9**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		70[1])	**1000**	**0.5 - 16**	**20 - 6**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	-	-
Nominal current / cross section	[A] / [mm²]	57[1]) / 10	60 / -	-	-
Rated cross section	[mm²]	10	-	-	-
Cross section range	AWG	20 - 6	20-6	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 10
Two stranded conductors with a TWIN ferrule	[mm²]				1.5 - 4
Direct plug-in connection cross sections	[mm²]	1 - 16	-	4 - 10	2.5 - 10
General data					
Stripping length	[mm]	18			
Insulating material		PA			
Inflammability class according to UL 94		V0			

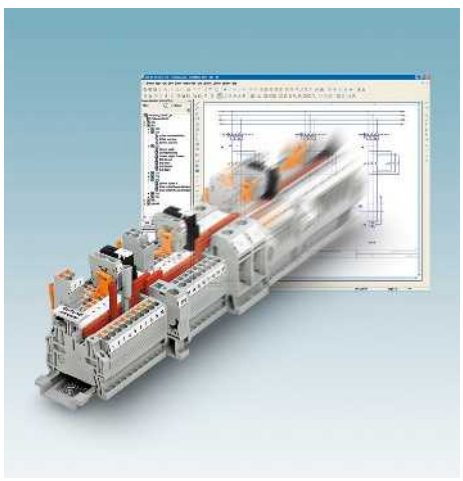
Ordering data

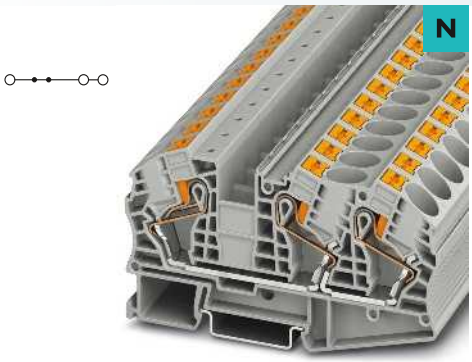
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PT 10-TWIN**		**3208746**	50
		blue	**PT 10-TWIN BU**		**3208747**	50

Accessories

Cover, width 2.2 mm		gray	**D-PT 10-TWIN**		**3208748**	50
Plug-in bridge	2	red	**FBS 2-10**	57 A	**3005947**	10
Reducing bridge[2])	2	red	**RB ST 10-(2,5/4)**		**3030873**	10
Screwdriver			**SZF 3-1,0X5,5**		**1206612**	10

Center groove labeling	**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 10, UCT-TMF 10 or ZBF 10 (see Catalog 5)**





16 (25) mm², 90 A, feed-through terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
12.2	**100.2**	**52.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
90[1])	**1000**	**0.5 - 25**	**20 - 4**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
76[1]) / 16	- / -	-	-
16	-	-	-
20 - 4	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 25	0.5 - 16	0.5 - 16	0.5 - 16
			1.5 - 4
2.5 - 25	-	2.5 - 16	2.5 - 16
18			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 16-TWIN N		**3208760**	25
PT 16-TWIN N BU		**3208773**	25

Accessories

D-PT 16-TWIN N		**3208799**	50
FBS 2-12	76 A	**3005950**	10
RB ST 16-(2,5/4)		**3030886**	10
SZF 3-1,0X5,5		**1206612**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)
UC-TMF 12, UCT-TMF 12 or ZBF 12 (see Catalog 5)

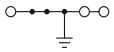
PT ...-TWIN-PE ground terminal blocks with 3 connections

- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947−7−2 are met

Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.





1.5 (1.5) mm², ground terminal block, 3 connections

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**3.5**	**54**	**32**
Max. electrical data				max. Ø [mm²] / AWG
				0.14 - 1.5 / **26 - 14**
Rated data		IEC 60947-7-2		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	1.5	-	- / -
Cross section range	AWG	26 - 14	26-14	26-14 / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 / 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

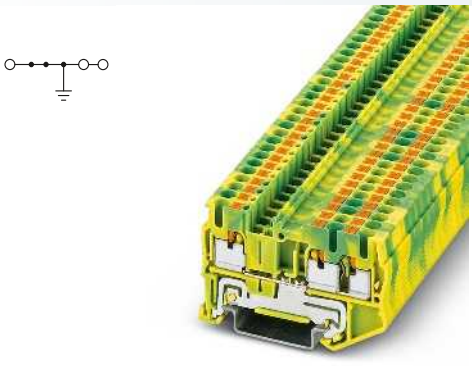
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**PT 1,5/S-TWIN-PE**	**3208171**	50

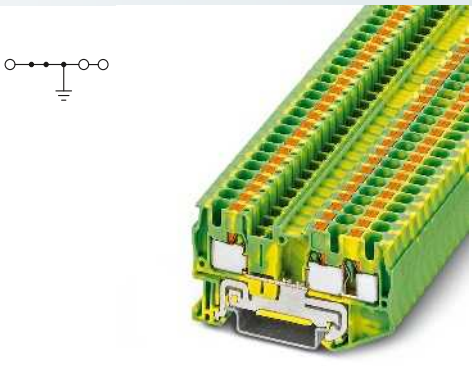
Accessories[1])

Cover, width 2.2 mm		gray	**D-PT 1,5/S-TWIN**	**3208184**	50
Cover, 0.8 mm width		orange			
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray			
Insulation stop sleeve, cross section range:					
0.08 - 0.2 mm²		white			
0.25 - 0.5 mm²		gray			
0.75 - 1 mm²		black			
Plug-in bridge					
	2	red	**FBS 2-3,5**	**3213014**	50
	3	red	**FBS 3-3,5**	**3213027**	50
	4	red	**FBS 4-3,5**	**3213030**	50
	5	red	**FBS 5-3,5**	**3213043**	50
	10	red	**FBS 10-3,5**	**3213056**	50
	20	red	**FBS 20-3,5**	**3213069**	50
Partition plate, 2 mm width		gray	**ATP-ST-TWIN**	**3030789**	50
Test adapter, 4-mm test socket hole		gray			
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red			
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10

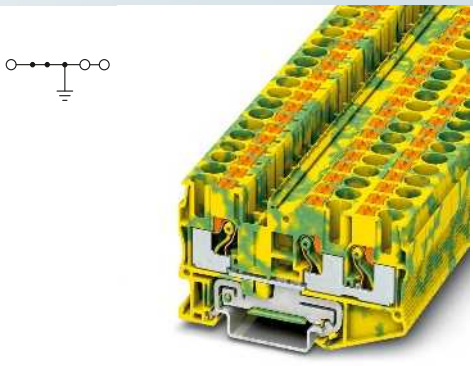
Lateral groove labeling	**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**
Center and lateral groove labeling	**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**



2.5 (4) mm², ground terminal block, 3 connections



4 (6) mm², ground terminal block, 3 connections



6 (10) mm², ground terminal block, 3 connections

Ex:
PTB 09ATEX1111U / IECEx PTB 10.0021U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	2.5
26 - 12	26-12	26-12	26 - 12
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PT 2,5-TWIN-PE	**3209565**	50

Accessories[1])

D-ST 2,5-TWIN	**3030488**	50
D-ST 2,5-TWIN-0,8 OG	**3030512**	50
DS-ST 2,5	**3036602**	10
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-ST-TWIN	**3030789**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Ex:
PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**66.5**	**36.5**	
		max. Ø [mm²]	AWG
		0.2 - 6	**24 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	4
24 - 10	24-10	24-10	24 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PT 4-TWIN-PE	**3211780**	50

Accessories[1])

D-PT 4-TWIN	**3208977**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-ST-TWIN	**3030789**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**74.2**	**43.5**	
		max. Ø [mm²]	AWG
		0.5 - 10	**20 - 8**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	-
20 - 8	20-8	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
			0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PT 6-TWIN-PE	**3211498**	50

Accessories[1])

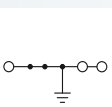
D-PT 6-TWIN	**3211508**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-8	**3031005**	10
SZF 2-0,8X4,0	**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

PT ...-TWIN-PE ground terminal blocks with 3 connections

– Same shape and pitch as the feed-through terminal blocks
– Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
– All the requirements of standard IEC 60947-7-2 are met

Notes:
For current carrying capacity of DIN rails, see page 716.





10 (16) mm², 70 A, ground terminal block, 3 connections

Technical data

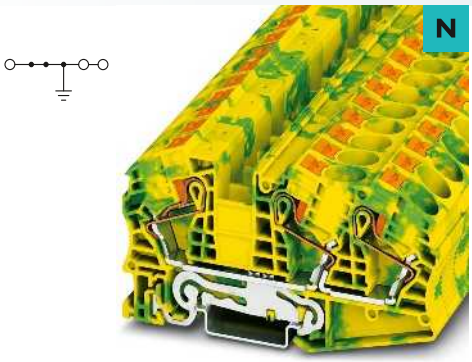
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**10.2**	**88.9**	**50.5**
Max. electrical data		$I_{max.}$ [A]		max. Ø [mm²] AWG
		70		**0.5 - 16** **20 - 6**
Rated data		IEC 60947-7-2 IEC	UL/CUL	CSA IEC/ EN 60079-7
Rated voltage	[V]	-	-	- -
Nominal current / cross section	[A] / [mm²]	57 / 10	- / -	- -
Rated cross section	[mm²]	10	-	- -
Cross section range	AWG	20 - 6	20-6	- -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 10 0.5 - 10
Two stranded conductors with a TWIN ferrule	[mm²]			1.5 - 4
Direct plug-in connection cross sections	[mm²]	1 - 16	-	4 - 10 2.5 - 10
General data				
Stripping length	[mm]	18		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**PT 10-TWIN-PE**		**3208745**	50

Accessories

Cover, width 2.2 mm		gray	**D-PT 10-TWIN**	**3208748**	50
Plug-in bridge	2	red	**FBS 2-10**	57 A **3005947**	10
Screwdriver			**SZF 3-1,0X5,5**	**1206612**	10
Center groove labeling			**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)**		
Center and lateral groove labeling			**UC-TMF 10, UCT-TMF 10 or ZBF 10 (see Catalog 5)**		



16 (25) mm², 90 A, ground terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
12.2	**100.2**	**52.6**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
90		**0.5 - 25**	**20 - 4**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
76 / 16	- / -	-	-
16	-	-	-
20 - 4	-	-	-
solid	stranded	Ferrule	Without / with plastic sleeve
0.5 - 25	0.5 - 16	0.5 - 16	0.5 - 16
			1.5 - 4
2.5 - 25	-	2.5 - 16	2.5 - 16
18			
PA			
V0			

Ordering data

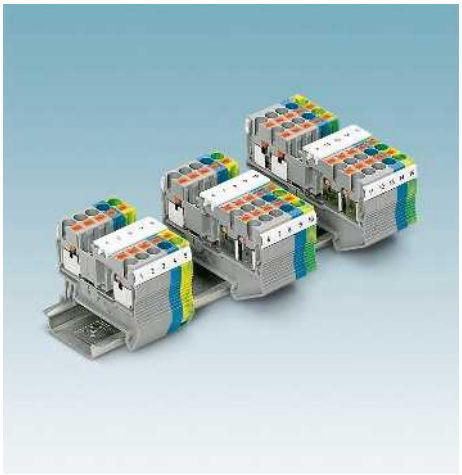
Type	I_{max}	Order No.	Pcs. / Pkt.
PT 16-TWIN N-PE		**3208786**	25

Accessories

D-PT 16-TWIN N		**3208799**	50
FBS 2-12	76 A	**3005950**	10
SZF 3-1,0X5,5		**1206612**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)
UC-TMF 12, UCT-TMF 12 or ZBF 12 (see Catalog 5)

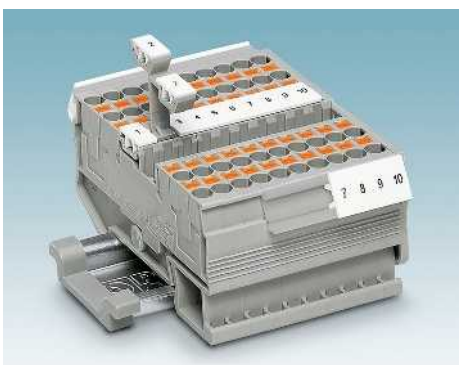
PT ...-QUATTRO feed-through terminal blocks with 4 connections



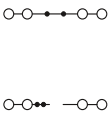
– These variants can therefore be used as compact power distributors
– Cross connection to any number of terminal blocks with the FBS ... continuous plug-in bridge system

Marker carriers

– Various marker carriers and adapters are available for all tasks relating to the marking of terminal blocks and terminal strips.



Notes:
For suitable marker carriers or adapters, see page 484.
1) The total current of all connected conductors must not exceed the max. load current.
2) For installation notes on the use of accessories for Ex e applications, see page 710.
3) The reducing bridge table should be followed, see page 476.





1.5 (1.5) mm², 17.5 A, feed-through terminal block, 4 connections

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		3.5	**63.2**	**32**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG
		17.5[1])	**500**	**0.14 - 1.5** **26 - 16**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA IEC/ EN 60079-7
Rated voltage	[V]	500	600	600 -
Nominal current / cross section	[A] / [mm²]	17.5[1]) / 1.5	15 / -	15 / - -
Rated cross section	[mm²]	1.5	-	- -
Cross section range	AWG	26 - 16	26-14	26-14 -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PT 1,5/S-QUATTRO**		**3208197**	50
		blue	**PT 1,5/S-QUATTRO BU**		**3208208**	50
Terminal block, with interrupted current bar, for mounting on NS 35...		gray	**PT 1,5/S-QUATTRO-U**		**3208359**	50

Accessories[2])

Cover, width 2.2 mm		gray	**D-PT 1,5/S-QUATTRO**		**3208375**	50
Cover, 0.8 mm width		orange				
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray				
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white				
0.25 - 0.5 mm²		gray				
0.75 - 1 mm²		black				
Plug-in bridge						
	2	red	**FBS 2-3,5**	17.5 A	**3213014**	50
	3	red	**FBS 3-3,5**	17.5 A	**3213027**	50
	4	red	**FBS 4-3,5**	17.5 A	**3213030**	50
	5	red	**FBS 5-3,5**	17.5 A	**3213043**	50
	10	red	**FBS 10-3,5**	17.5 A	**3213056**	50
	20	red	**FBS 20-3,5**	17.5 A	**3213069**	50
Reducing bridge[3])						
	2	red	**RB ST (2,5/4)-1,5/S**		**3214356**	10
Partition plate, 2 mm width		gray	**ATP-ST QUATTRO**		**3030815**	50
Test adapter, 4-mm test socket hole		gray				
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red				
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10

Lateral groove labeling	**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**
Center and lateral groove labeling	**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**



2.5 (4) mm², 30 A, feed-through terminal block, 4 connections

Ex:
PTB 09ATEX1111U / IECEx PTB 10.0021U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**72.2**	**36.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	**800**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
24[1]) / 2.5	20 / -	20 / -	27
2.5	-	-	2.5
26 - 12	26-12	26-12	26 - 12
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-QUATTRO		**3209578**	50
PT 2,5-QUATTRO BU		**3209581**	50

Accessories[2])

D-ST 2,5-QUATTRO		**3030514**	50
D-ST 2,5-QUATTRO-0,8 OG		**3030513**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST QUATTRO		**3030815**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



4 (6) mm², 38 A, feed-through terminal block, 4 connections

Ex:
PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**77**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
38[1])	**800**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
32[1]) / 4	30 / -	30 / -	28
4	-	-	4
24 - 10	24-10	24-10	24 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

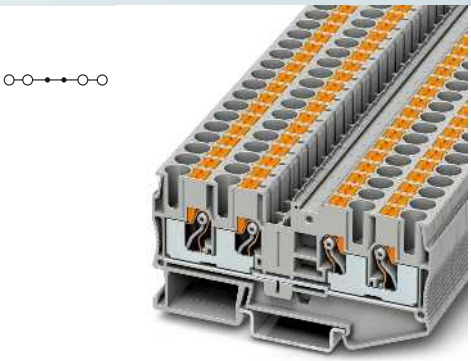
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 4-QUATTRO		**3211797**	50
PT 4-QUATTRO BU		**3211802**	50

Accessories[2])

D-PT 4-QUATTRO		**3208979**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
RB ST (2,5/4)-1,5/S		**3214356**	10
ATP-ST QUATTRO		**3030815**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)



6 (10) mm², 52 A, feed-through terminal block, 4 connections

Technical data

Width	Length	Height NS 35/7,5	
8.2	**90.5**	**43.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
52[1])	**1000**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
41[1]) / 6	40 / -	-	-
6	-	-	-
20 - 8	20-8	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
			0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 6-QUATTRO		**3212934**	50
PT 6-QUATTRO BU		**3212947**	50

Accessories[2])

D-PT 6-QUATTRO		**3212963**	10
FBS 2-8	24 A	**3030284**	10
FBS 3-8	24 A	**3030297**	10
FBS 4-8	24 A	**3030307**	10
FBS 5-8	24 A	**3030310**	10
FBS 10-8	24 A	**3030323**	10
RB ST 6-(2,5/4)		**3030860**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

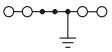
PT ...-QUATTRO-PE ground terminal blocks with 4 connections

– Same shape and pitch as the feed-through terminal blocks
– Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
– All the requirements of standard IEC 60947−7−2 are met

Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.





1.5 (1.5) mm², ground terminal block, 4 connections

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**3.5**	**63.2**	**32**
Max. electrical data				max. Ø [mm²] / AWG
				0.14 - 1.5 / **26 - 16**
Rated data		IEC 60947-7-2		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	1.5	-	- / -
Cross section range	AWG	26 - 16	26-14	26-14 / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 / 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

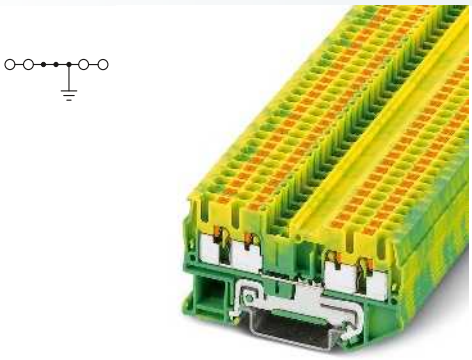
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**PT 1,5/S-QUATTRO-PE**	**3208333**	50

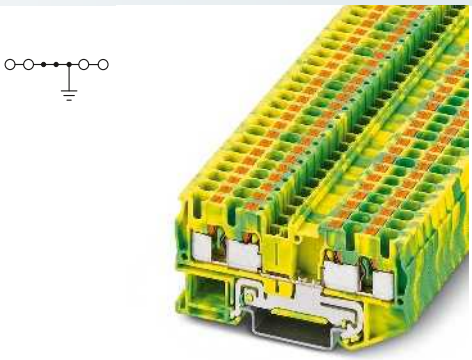
Accessories[1])

Cover, width 2.2 mm		gray	**D-PT 1,5/S-QUATTRO**	**3208375**	50
Cover, 0.8 mm width		orange			
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray			
Insulation stop sleeve, cross section range:					
0.08 - 0.2 mm²		white			
0.25 - 0.5 mm²		gray			
0.75 - 1 mm²		black			
Plug-in bridge					
	2	red	**FBS 2-3,5**	**3213014**	50
	3	red	**FBS 3-3,5**	**3213027**	50
	4	red	**FBS 4-3,5**	**3213030**	50
	5	red	**FBS 5-3,5**	**3213043**	50
	10	red	**FBS 10-3,5**	**3213056**	50
	20	red	**FBS 20-3,5**	**3213069**	50
Partition plate, 2 mm width		gray	**ATP-ST QUATTRO**	**3030815**	50
Test adapter, 4-mm test socket hole		gray			
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red			
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10

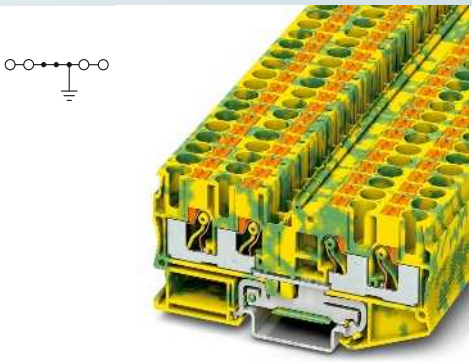
Center groove labeling	**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**
Center and lateral groove labeling	**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**



2.5 (4) mm², ground terminal block, 4 connections



4 (6) mm², ground terminal block, 4 connections



6 (10) mm², ground terminal block, 4 connections

Ex:
PTB 09ATEX1111U / IECEx PTB 10.0021U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**72.2**	**36.8**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	2.5
26 - 12	26-12	26-12	26 - 12
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PT 2,5-QUATTRO-PE	**3209594**	50

Accessories[1])

D-ST 2,5-QUATTRO	**3030514**	50
D-ST 2,5-QUATTRO-0,8 OG	**3030513**	50
DS-ST 2,5	**3036602**	10
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-ST QUATTRO	**3030815**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Ex:
PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**77**	**36.5**	
		max. Ø [mm²]	AWG
		0.2 - 6	**24 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	4
24 - 10	24-10	24-10	24 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PT 4-QUATTRO-PE	**3211809**	50

Accessories[1])

D-PT 4-QUATTRO	**3208979**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-ST QUATTRO	**3030815**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**90.5**	**43.5**	
		max. Ø [mm²]	AWG
		0.5 - 10	**20 - 8**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	-
20 - 8	20-8	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
			0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PT 6-QUATTRO-PE	**3212950**	50

Accessories[1])

D-PT 6-QUATTRO	**3212963**	10
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-8	**3031005**	10
SZF 2-0,8X4,0	**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

PTTB ... double-level terminal blocks

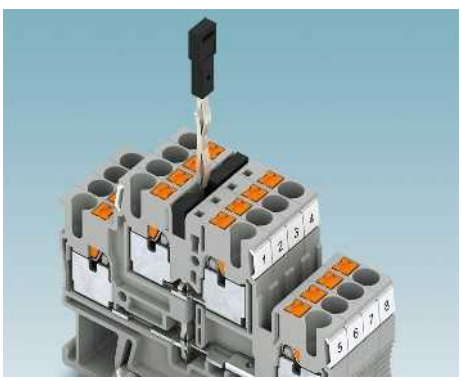


- Compact design for maximum space saving
- Integrated labeling areas on every terminal point
- Optional, large labeling option using STP... double marker carriers
- Link the levels to the FBS ...-PV bridges

PTTB 4-L 1000V

The feed-through terminal block has been developed for IEC or UL applications up to 1000 V, such as wind power plants

- Compact design
- Tests can be carried out in function shaft
- Large labeling option

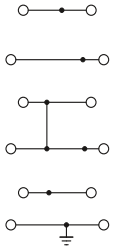


Notes:

Meaning of the product code:
...-L/N = lower level gray, upper level blue
...-PE/L = lower level with PE foot, upper level gray
...-PE/N = lower level with PE foot, upper level blue

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) For installation notes on the use of accessories for Ex e applications, see page 710.





1.5 (1.5) mm², 16 A, double-level terminal block, 4 connections

Technical data

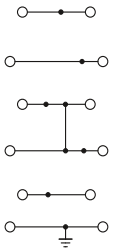
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		3.5	**65.4**	**42.6**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		16	**500**	**0.14 - 1.5** / **26 - 14**
Rated data		IEC 60947-7-1 / IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	16 / 1.5	15 / -	15 / -	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	26 - 14	26-14	26-14	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]				
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
General data					
Stripping length	[mm]	8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PTTB 1,5/S**		**3208511**	50
		blue	**PTTB 1,5/S BU**		**3208524**	50
		gray	**PTTB 1,5/S-L/N**		**3208544**	50
		gray	**PTTB 1,5/S-PE/L**		**3208553**	50
		gray	**PTTB 1,5/S-PE/N**		**3208566**	50
Terminal block, with equipotential bonder, for mounting on NS 35...[1])		gray	**PTTB 1,5/S-PV**		**3208540**	50

Accessories[2])

Cover, width 2.2 mm		gray	**D-PTTB 1,5/S**		**3208579**	50
Plug-in bridge						
	2	red	**FBS 2-3,5**	17.5 A	**3213014**	50
	3	red	**FBS 3-3,5**	17.5 A	**3213027**	50
	4	red	**FBS 4-3,5**	17.5 A	**3213030**	50
	5	red	**FBS 5-3,5**	17.5 A	**3213043**	50
	10	red	**FBS 10-3,5**	17.5 A	**3213056**	50
	20	red	**FBS 20-3,5**	17.5 A	**3213069**	50
Vertical potential bridge, to connect the upper and lower level		black	**FBS 1,5/S-PV**		**3216263**	10
Partition plate, 2 mm width		gray	**ATP-STTB 4**		**3030747**	50
Test adapter, 4-mm test socket hole		gray				
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red				
Double marker carrier, can be snapped into PTTB 1,5/S push-in double-level terminal blocks can be labeled with ZB 3,5 or ZBF 3,5		gray	**STP 3,5-2**		**0830131**	100
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10
Lateral groove labeling			**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**			





2.5 (4) mm², 24 A, double-level terminal block, 4 connections

Ex:
PTB 09ATEX1111U / IECEx PTB 10.0021U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**68**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	440
22 / 2.5	20 / -	20 / -	24
2.5	-	-	2.5
26 - 12	26-12	26-12	26 - 12
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

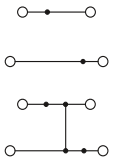
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTTB 2,5		**3210567**	50
PTTB 2,5 BU		**3210570**	50
PTTB 2,5-L/N		**3210994**	50
PTTB 2,5-PE/L		**3210978**	50
PTTB 2,5-PE/N		**3210981**	50
PTTB 2,5-PV		**3210583**	50

Accessories[2])

D-PTTB 2,5		**3211634**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
FBS-PV		**3032185**	50
ATP-STTB 4		**3030747**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
STP 5-2		**0800967**	100
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)





4 (6) mm², 32 A, double-level terminal block, 4 connections

Ex:
PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**83.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**500**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	440
28 / 4	28 / -	30 / -	23.5
4	-	-	4
24 - 10	24-10	24-10	24 - 10
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTTB 4		**3211786**	50
PTTB 4 BU		**3211793**	50
PTTB 4-PV		**3211825**	50

Accessories[2])

D-STTB 4		**3030462**	50
FBS 2-6	26 A	**3030336**	50
FBS 3-6	26 A	**3030242**	50
FBS 4-6	26 A	**3030255**	50
FBS 5-6	26 A	**3030349**	50
FBS 10-6	26 A	**3030271**	10
FBS 20-6	26 A	**3030365**	10
FBS-PV		**3032185**	50
ATP-STTB 4		**3030747**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
STP 5-2		**0800967**	100
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)



4 (6) mm², 38 A, 1000 V, feed-through terminal block, 2 connections

Technical data

Width	Length	Height NS 35/7,5	
8.2	**83.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
38	**1000**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	1000	1000	-
32 / 4	30 / -	-	-
4	-	-	-
24 - 10	24-10	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTTB 4-L 1000V	**3062744**	50

Accessories[2])

ATP-STTB 4	**3030747**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-8	**3031005**	10
STP 5-2	**0800967**	100
SZF 1-0,6X3,5	**1204517**	10

UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

PTTB ...-PE double-level ground terminal blocks



- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947−7−2 are met

STP ... double marker carriers

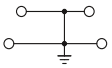
- Optional, large labeling option using STP... double marker carriers



Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.





1.5 (1.5) mm², double-level ground terminal block

Technical data

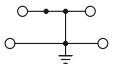
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		3.5	**65.4**	**42.6**
Max. electrical data				
				max. Ø [mm²] / AWG
				0.14 - 1.5 / 26 - 14
Rated data		IEC 60947-7-2		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	1.5	-	- / -
Cross section range	AWG	26 - 14	26-14	- / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 / 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**PTTB 1,5/S-PE**	**3208537**	50

Accessories[1])

Cover, width 2.2 mm		gray	**D-PTTB 1,5/S**	**3208579**	50
Insulation stop sleeve, cross section range:					
0.08 - 0.2 mm²		white			
0.25 - 0.5 mm²		gray			
0.75 - 1 mm²		black			
Plug-in bridge					
	2	red	**FBS 2-3,5**	**3213014**	50
	3	red	**FBS 3-3,5**	**3213027**	50
	4	red	**FBS 4-3,5**	**3213030**	50
	5	red	**FBS 5-3,5**	**3213043**	50
	10	red	**FBS 10-3,5**	**3213056**	50
	20	red	**FBS 20-3,5**	**3213069**	50
Partition plate, 2 mm width		gray	**ATP-STTB 4**	**3030747**	50
Test adapter, 4-mm test socket hole		gray			
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red			
Double marker carrier, can be snapped into PTTB 1,5/S push-in double-level terminal blocks can be labeled with ZB 3,5 or ZBF 3,5		gray	**STP 3,5-2**	**0830131**	100
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10
Lateral groove labeling			**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**		





2.5 (4) mm², double-level ground terminal block

Ex:
PTB 09ATEX1111U / IECEx PTB 10.0021U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**68**	**47.5**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	2.5
26 - 12	26-12	26-12	26 - 12
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

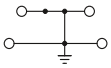
Ordering data

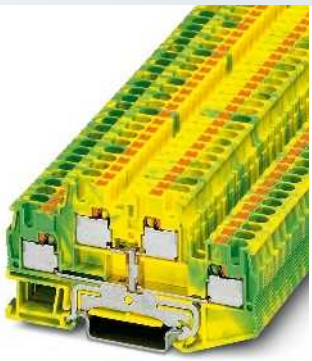
Type	Order No.	Pcs. / Pkt.
PTTB 2,5-PE	**3210596**	50

Accessories[1])

D-PTTB 2,5	**3211634**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-STTB 4	**3030747**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
STP 5-2	**0800967**	100
SZF 1-0,6X3,5	**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)





4 (6) mm², double-level ground terminal block

Ex:
PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**83.5**	**47.5**	
		max. Ø [mm²]	AWG
		0.2 - 6	**24 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	4
24 - 10	24-10	24-10	24 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTTB 4-PE	**3211854**	50

Accessories[1])

D-STTB 4	**3030462**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-STTB 4	**3030747**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
STP 5-2	**0800967**	100
SZF 1-0,6X3,5	**1204517**	10

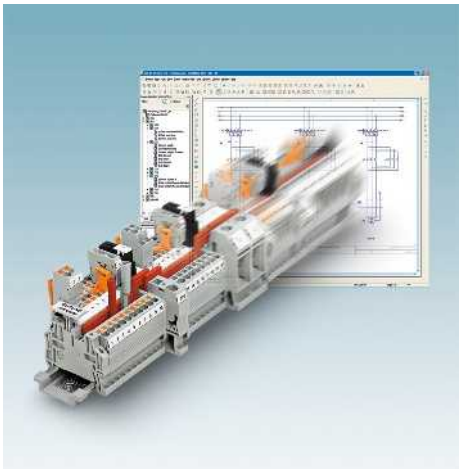
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

PTTBS ... desk-design double-level terminal blocks



The angled push-in double-level terminal blocks in desk design are characterized by:
– Two bridge shafts on both levels for all potential distribution tasks
– Two large-surface labeling options
– The different heights of the marking grooves makes it easy to see to which level the labeling belongs
– Potential bridging of levels using the **FBS-PV** vertical potential bridge

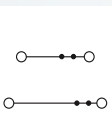
CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) The total current of all connected conductors must not exceed the max. load current.





2.5 (4) mm², 24 A, double-level terminal block

Technical data

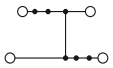
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**78**	**55**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		24	**500**	**0.14 - 4 / 26 - 12**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	22 / 2.5	20 / -	20 / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	26 - 12	26-12	26-12 / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
Direct plug-in connection cross sections	[mm²]	0.34 - 4	-	0.34 - 2.5 / 0.34 - 2.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PTTBS 2,5**		**3209604**	50
		blue	**PTTBS 2,5 BU**		**3209617**	50
Terminal block, with equipotential bonder, for mounting on NS 35...[1])		gray				
Ground terminal block, for mounting on NS 35...		green-yellow				

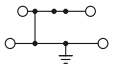
Accessories

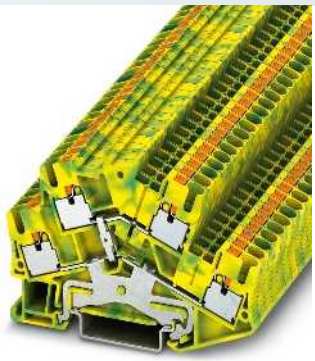
Cover, width 2.2 mm		gray	**D-STTBS 2,5**		**3038503**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	20 A	**3030161**	50
	3	red	**FBS 3-5**	20 A	**3030174**	50
	4	red	**FBS 4-5**	20 A	**3030187**	50
	5	red	**FBS 5-5**	20 A	**3030190**	50
	10	red	**FBS 10-5**	20 A	**3030213**	10
	20	red	**FBS 20-5**	20 A	**3030226**	10
Vertical potential bridge, to connect the upper and lower level		black	**FBS-PV**		**3032185**	50
Partition plate, 2 mm width		gray	**ATP-STTB 4**		**3030747**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			





2.5 (4) mm², 26 A, double-level terminal block, internally connected levels





2.5 (4) mm², double-level ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	**78**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26[1])	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
22[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTTBS 2,5-PV		**3210211**	50

Accessories

D-STTBS 2,5		**3038503**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**78**	**55**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTTBS 2,5-PE	**3209620**	50

Accessories

D-STTBS 2,5		**3038503**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

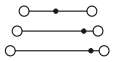
PT 1,5/S-... three-level terminal blocks

- 3.5 mm design width
- Function shafts on all levels
- Integrated labeling areas on every terminal point
- The ...PE/L/L and ...PE/L/N terminal block types offer clear and unambiguous assignment through the use of color coding of the housing surfaces

Notes:

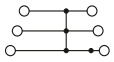
For current carrying capacity of DIN rails, see page 716.

[1]) The total current of all connected conductors must not exceed the max. load current.





1.5 (1.5) mm², 15 A, three-level terminal block





1.5 (1.5) mm², 15 A, three-level terminal block, internally connected levels

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**3.5**	**97.2**	**53.2**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		15	**500**	**0.14 - 1.5**	**26 - 16**
Rated data		IEC 60947-7-1			
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	15 / 1.5	15 / -	15 / -	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	26 - 16	26-14	26-14	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]				
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
General data					
Stripping length	[mm]	8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PT 1,5/S-3L**		**3213713**	50
		blue	**PT 1,5/S-3L BU**		**3213726**	50
Terminal block, with equipotential bonder, for mounting on NS 35...		gray				
Ground terminal block, for mounting on NS 35...		green-yellow				

Accessories

Cover, width 2.2 mm		gray	**D-PT 1,5/S-3L**		**3113771**	50
Plug-in bridge						
	2	red	**FBS 2-3,5**	17.5 A	**3213014**	50
	3	red	**FBS 3-3,5**	17.5 A	**3213027**	50
	4	red	**FBS 4-3,5**	17.5 A	**3213030**	50
	5	red	**FBS 5-3,5**	17.5 A	**3213043**	50
	10	red	**FBS 10-3,5**	17.5 A	**3213056**	50
Vertical potential bridge, to connect the upper and lower level		black	**FBS 1,5/S-PV**		**3216263**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Triple marker carrier, can be snapped into the PT 1,5/S-3... push-in three-level terminal block, can be labeled with ZB 3,5 or ZBF 3,5		gray	**STP 3,5-3**		**0830132**	100
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10
Lateral groove labeling			**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**			

Technical data

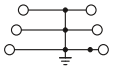
Width	Length	Height NS 35/7,5			
3.5	**97.2**	**53.2**			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG		
15[1])	**500**	**0.14 - 1.5**	**26 - 16**		
IEC 60947-7-1					
IEC	UL/CUL	CSA	IEC/ EN 60079-7		
500	600	600	-		
15[1]) / 1.5	15 / -	15 / -	-		
1.5	-	-	-		
26 - 16	26-14	26-14	-		
solid	stranded	Ferrule			
		Without / with plastic sleeve			
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1		
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1		
8					
PA					
V0					

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 1,5/S-3PV		**3213742**	50

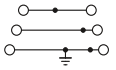
Accessories

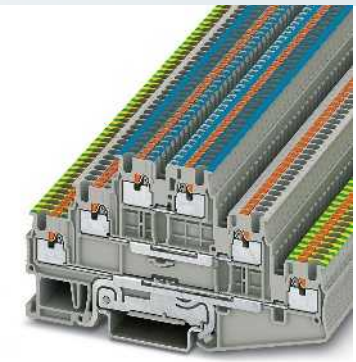
D-PT 1,5/S-3L		**3113771**	50
FBS 2-3,5	17.5 A	**3213014**	50
FBS 3-3,5	17.5 A	**3213027**	50
FBS 4-3,5	17.5 A	**3213030**	50
FBS 5-3,5	17.5 A	**3213043**	50
FBS 10-3,5	17.5 A	**3213056**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
STP 3,5-3		**0830132**	100
SZF 0-0,4X2,5		**1204504**	10
UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)			



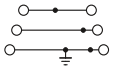


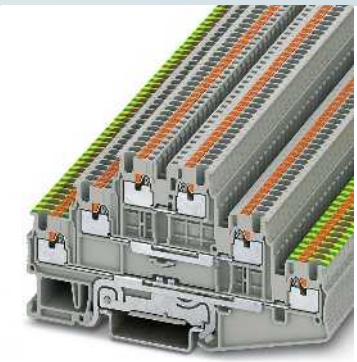
1.5 (1.5) mm², three-level ground terminal block





1.5 (1.5) mm², 15 A, three-level terminal block with PE foot





1.5 (1.5) mm², 15 A, three-level terminal block with PE foot

Technical data

Width	Length	Height NS 35/7,5	
3.5	**97.2**	**53.2**	
		max. Ø [mm²]	AWG
		0.14 - 1.5	**26 - 16**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
1.5	-	-	-
26 - 16	26-14	26-14	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PT 1,5/S-3PE	**3213739**	50

Accessories

D-PT 1,5/S-3L	**3113771**	50
FBS 2-3,5	**3213014**	50
FBS 3-3,5	**3213027**	50
FBS 4-3,5	**3213030**	50
FBS 5-3,5	**3213043**	50
FBS 10-3,5	**3213056**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
STP 3,5-3	**0830132**	100
SZF 0-0,4X2,5	**1204504**	10

UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
3.5	**97.2**	**53.2**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
15	**500**	**0.14 - 1.5**	**26 - 16**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
15 / 1.5	15 / -	15 / -	-
1.5	-	-	-
26 - 16	26-14	26-14	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 1,5/S-PE/L/N		**3213755**	50

Accessories

D-PT 1,5/S-3L		**3113771**	50
FBS 2-3,5	17.5 A	**3213014**	50
FBS 3-3,5	17.5 A	**3213027**	50
FBS 4-3,5	17.5 A	**3213030**	50
FBS 5-3,5	17.5 A	**3213043**	50
FBS 10-3,5	17.5 A	**3213056**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
STP 3,5-3		**0830132**	100
SZF 0-0,4X2,5		**1204504**	10

UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
3.5	**97.2**	**53.2**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
15	**500**	**0.14 - 1.5**	**26 - 16**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
15 / 1.5	15 / -	15 / -	-
1.5	-	-	-
26 - 16	26-14	26-14	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 1,5/S-PE/L/L		**3213768**	50

Accessories

D-PT 1,5/S-3L		**3113771**	50
FBS 2-3,5	17.5 A	**3213014**	50
FBS 3-3,5	17.5 A	**3213027**	50
FBS 4-3,5	17.5 A	**3213030**	50
FBS 5-3,5	17.5 A	**3213043**	50
FBS 10-3,5	17.5 A	**3213056**	50
FBS 1,5/S-PV		**3216263**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
STP 3,5-3		**0830132**	100
SZF 0-0,4X2,5		**1204504**	10

UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)

PT push-in connection terminal blocks

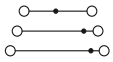
PT 2,5-... three-level terminal blocks

– Function shafts on all levels
– Integrated labeling areas on every terminal point
– The ...PE/L/L and ...PE/L/N terminal block types offer clear and unambiguous assignment through the use of color coding of the housing surfaces

Notes:

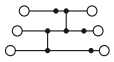
For current carrying capacity of DIN rails, see page 716.

[1]) The total current of all connected conductors must not exceed the max. load current.





2.5 (4) mm², 24 A, three-level terminal block





2.5 (4) mm², 24 A, three-level terminal block, internally connected levels

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**102**	**58**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24	**500**	**0.14 - 4**	**26 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	26 - 12	26-12	26-12	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
Direct plug-in connection cross sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PT 2,5-3L**		**3210499**	50
		blue	**PT 2,5-3L BU**		**3210509**	50
Terminal block, with equipotential bonder, for mounting on NS 35...		gray				
Ground terminal block, for mounting on NS 35...		green-yellow				

Accessories

Cover, width 2.2 mm		gray	**D-PT 2,5-3L**		**3211647**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	20 A	**3030161**	50
	3	red	**FBS 3-5**	20 A	**3030174**	50
	4	red	**FBS 4-5**	20 A	**3030187**	50
	5	red	**FBS 5-5**	20 A	**3030190**	50
	10	red	**FBS 10-5**	20 A	**3030213**	10
	20	red	**FBS 20-5**	20 A	**3030226**	10
Vertical potential bridge, to connect the upper and lower level		black	**FBS-PV**		**3032185**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Three-compartment marker carrier, can be snapped into ST 2,5-3... and PT 2,5-3... three-level terminal blocks, can be labeled with UC-TMF 5 and ZBF 5 or ...TM 5 and ZB 5		gray	**STP 5-3**		**0810562**	100
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			

Technical data

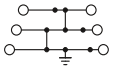
Width		Length	Height NS 35/7,5		
5.2		**102**	**58**		
$I_{max.}$ [A]		$U_{max.}$ [V]	max. Ø [mm²]	AWG	
24[1])		**500**	**0.14 - 4**	**26 - 12**	
IEC 60947-7-1 IEC		UL/CUL	CSA	IEC/ EN 60079-7	
500		300	-	-	
20[1]) / 2.5		20 / -	-	-	
2.5		-	-	-	
26 - 12		26-12	-	-	
solid		stranded	Ferrule Without / with plastic sleeve		
0.14 - 4		0.14 - 2.5	0.14 - 2.5	0.14 - 2.5	
				0.5	
0.34 - 4		-	0.34 - 2.5	0.34 - 2.5	
10					
PA					
V0					

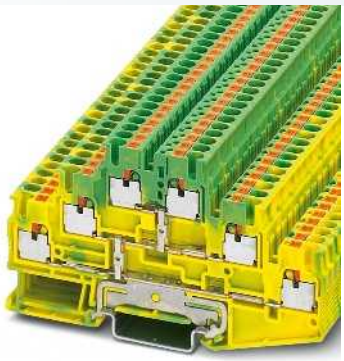
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-3PV		**3210512**	50

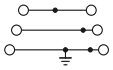
Accessories

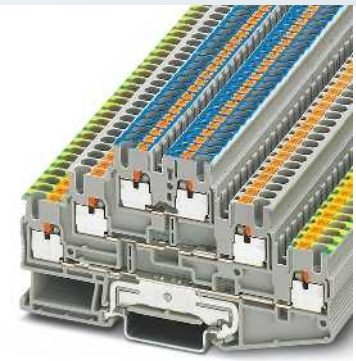
D-PT 2,5-3L		**3211647**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
STP 5-3		**0810562**	100
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)			



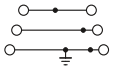


2.5 (4) mm², three-level ground terminal block





2.5 (4) mm², 24 A, three-level terminal block with PE foot





2.5 (4) mm², 24 A, three-level terminal block with PE foot

Technical data

Width	Length	Height NS 35/7,5	
5.2	**102**	**58**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PT 2,5-3PE	**3210525**	50

Accessories

D-PT 2,5-3L	**3211647**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
STP 5-3	**0810562**	100
SZF 1-0,6X3,5	**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**102**	**58**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
20 / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-PE/L/N		**3210538**	50

Accessories

D-PT 2,5-3L		**3211647**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
STP 5-3		**0810562**	100
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**102**	**58**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
20 / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

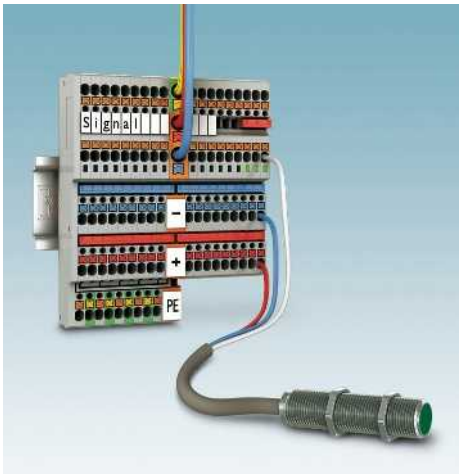
Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-PE/L/L		**3210541**	50

Accessories

D-PT 2,5-3L		**3211647**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
FBS-PV		**3032185**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
STP 5-3		**0810562**	100
SZF 1-0,6X3,5		**1204517**	10

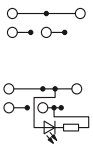
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

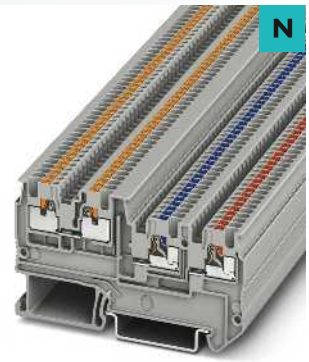
PTIO ... three-conductor initiator/actuator terminal block



- For wiring three-conductor initiators and actuators in a space-saving and time-saving way with a terminal block width of just 3.5 mm
- The upper level is for signal wiring, whereas the two lower levels are for distributing the positive and negative potential
- Three-conductor output terminal block of the same shape with PE connection in the lower level for wiring actuators
- Direct contacting on the DIN rail, visually clear labeling of PE terminal point
- Versions with light indicator for indicating the switching states
- Potential is supplied via the PTIO-IN power terminal blocks with a conductor connection capacity of 2.5 mm²
- The power terminal blocks are wired from the signal wiring side
- Power terminal blocks can be set at any desired point of the terminal strip for supply or extension
- Lateral potential distribution by means of FBS ... plug-in bridges from the CLIPLINE complete system, individual terminal points can be jumped by releasing contact pins

Notes:
For current carrying capacity of DIN rails, see page 716.
For other color versions of the plug-in bridge, see page 473.
1) In the case of central power feed.





1.5 (1.5) mm², 13.5 A, three-conductor initiator terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		3.5	**74.4**	**41.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		13.5	**250**	**0.14 - 1.5** / **26 - 14**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	250	-	- / -
Nominal current / cross section	[A] / [mm²]	13.5 / 1.5	- / -	- / -
Rated cross section	[mm²]	1.5	-	- / -
Cross section range	AWG	26 - 14	-	- / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 / 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

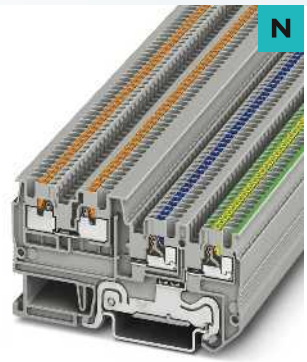
Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PTIO 1,5/S/3**	**3244410**	50
With red LED for 15 - 30 V DC, 0.31 - 0.95 mA, LED between upper and middle level		gray	**PTIO 1,5/S/3-LED 24 RD**	**3244423**	50
With green LED for 15 - 30 V DC, 0.31 - 0.95 mA, LED between upper and middle level		gray	**PTIO 1,5/S/3-LED 24 GN**	**3244436**	50
Terminal block, with PE connection, for mounting on NS 35...		gray			
Power terminal block		orange			

Accessories

Cover, width 2.2 mm		gray	**D-PTIO 1,5/S/3**	**3244575**	50
Insulation stop sleeve, cross section range:					
0.08 - 0.2 mm²		white			
0.25 - 0.5 mm²		gray			
0.75 - 1 mm²		black			
Plug-in bridge					
	2	red	**FBS 2-3,5**	**3213014**	50
	3	red	**FBS 3-3,5**	**3213027**	50
	4	red	**FBS 4-3,5**	**3213030**	50
	5	red	**FBS 5-3,5**	**3213043**	50
	10	red	**FBS 10-3,5**	**3213056**	50
	20	red	**FBS 20-3,5**	**3213069**	50
	50	red	**FBS 50-3,5**	**3000706**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10

Center groove labeling	**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**
Center and lateral groove labeling	**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**





1.5 (1.5) mm², 13.5 A, three-conductor actuator terminal block with PE foot



2.5 (4) mm², 20 A, power terminal block

Technical data

Width	Length	Height NS 35/7,5	
3.5	**74.4**	**41.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
13.5	**250**	**0.14 - 1.5**	**26 - 14**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	-	-	-
13.5 / 1.5	- / -	-	-
1.5	-	-	-
26 - 14	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTIO 1,5/S/3-PE	**3244449**	50

Accessories

D-PTIO 1,5/S/3	**3244575**	50
FBS 2-3,5	**3213014**	50
FBS 3-3,5	**3213027**	50
FBS 4-3,5	**3213030**	50
FBS 5-3,5	**3213043**	50
FBS 10-3,5	**3213056**	50
FBS 20-3,5	**3213069**	50
FBS 50-3,5	**3000706**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
SZF 0-0,4X2,5	**1204504**	10

UCT-TM 3,5 or ZB 3,5 (see Catalog 5)
UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
7	**74.4**	**41.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[1])	**250**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	-	-	-
20 / 2.5	- / -	-	-
2.5	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

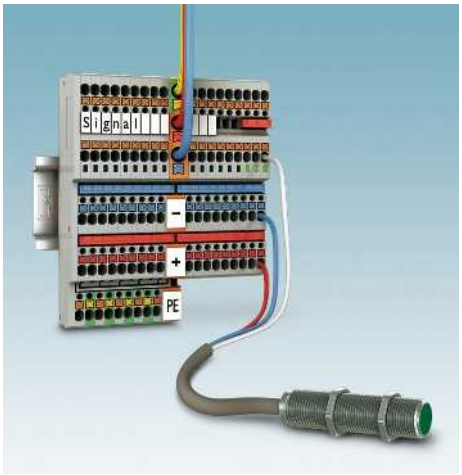
Type	Order No.	Pcs. / Pkt.
PTIO-IN 2,5/3 OG	**3244559**	50

Accessories

D-PTIO 1,5/S/3	**3244575**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-3,5	**3213014**	50
FBS 3-3,5	**3213027**	50
FBS 4-3,5	**3213030**	50
FBS 5-3,5	**3213043**	50
FBS 10-3,5	**3213056**	50
FBS 20-3,5	**3213069**	50
FBS 50-3,5	**3000706**	10
SZF 1-0,6X3,5	**1204517**	10

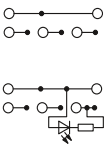
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)
UC-TMF 10, UCT-TMF 10 or ZBF 10 (see Catalog 5)

PTIO ... four-conductor initiator/actuator terminal block



- For wiring four-conductor initiators and actuators in a space-saving and time-saving way with a terminal block width of just 3.5 mm
- The upper level is for signal wiring, whereas the two lower levels are for distributing the positive and negative potential
- Four-conductor output terminal block of the same shape with PE connection in the lower level for wiring actuators
- Direct contacting on the DIN rail, visually clear labeling of PE terminal point
- Versions with light indicator for indicating the switching states
- Potential is supplied via the PTIO-IN power terminal blocks with a conductor connection capacity of 2.5 mm²
- The power terminal blocks are wired from the signal wiring side
- Power terminal blocks can be set at any desired point of the terminal strip for supply or extension
- Lateral potential distribution by means of FBS ... plug-in bridges from the CLIPLINE complete system, individual terminal points can be jumped by releasing contact pins

Notes:
For current carrying capacity of DIN rails, see page 716.
For other color versions of the plug-in bridge, see page 473.
1) In the case of central power feed.





1.5 (1.5) mm², 13.5 A, four-conductor initiator terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		3.5	**90.8**	**41.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		13.5	**250**	**0.14 - 1.5** / **26 - 14**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	250	-	- / -
Nominal current / cross section	[A] / [mm²]	13.5 / 1.5	- / -	- / -
Rated cross section	[mm²]	1.5	-	- / -
Cross section range	AWG	26 - 14	-	- / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 / 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

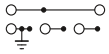
Ordering data

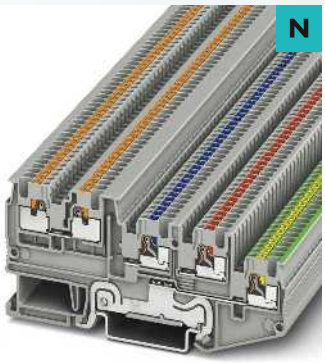
Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PTIO 1,5/S/4**	**3244452**	50
With red LED for 15 - 30 V DC, 0.31 - 0.95 mA, LED between upper and middle level		gray	**PTIO 1,5/S/4-LED 24 RD**	**3244517**	50
With green LED for 15 - 30 V DC, 0.31 - 0.95 mA, LED between upper and middle level		gray	**PTIO 1,5/S/4-LED 24 GN**	**3244520**	50
Terminal block, with PE connection, for mounting on NS 35...		gray			
Power terminal block, with PE connection		orange			

Accessories

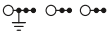
Cover, width 2.2 mm		gray	**D-PTIO 1,5/S/4**	**3244588**	50
Insulation stop sleeve, cross section range:					
0.08 - 0.2 mm²		white			
0.25 - 0.5 mm²		gray			
0.75 - 1 mm²		black			
Plug-in bridge					
	2	red	**FBS 2-3,5**	**3213014**	50
	3	red	**FBS 3-3,5**	**3213027**	50
	4	red	**FBS 4-3,5**	**3213030**	50
	5	red	**FBS 5-3,5**	**3213043**	50
	10	red	**FBS 10-3,5**	**3213056**	50
	20	red	**FBS 20-3,5**	**3213069**	50
	50	red	**FBS 50-3,5**	**3000706**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10

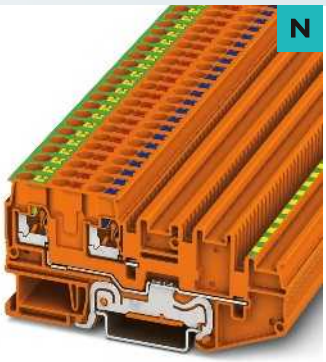
Center groove labeling	**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**
Center and lateral groove labeling	**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**





1.5 (1.5) mm², 13.5 A, four-conductor actuator terminal block with PE foot





2.5 (4) mm², 20 A, power terminal block with PE foot

Technical data

Width	Length	Height NS 35/7,5	
3.5	**90.8**	**41.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
13.5	**250**	**0.14 - 1.5**	**26 - 14**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	-	-	-
13.5 / 1.5	- / -	-	-
1.5	-	-	-
26 - 14	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
8			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
7	**90.8**	**41.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[1])	**250**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	-	-	-
20 / 2.5	- / -	-	-
2.5	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTIO 1,5/S/4-PE	**3244465**	50

Ordering data

Type	Order No.	Pcs. / Pkt.
PTIO-IN 2,5/4-PE OG	**3244481**	50

Accessories

D-PTIO 1,5/S/4	**3244588**	50
FBS 2-3,5	**3213014**	50
FBS 3-3,5	**3213027**	50
FBS 4-3,5	**3213030**	50
FBS 5-3,5	**3213043**	50
FBS 10-3,5	**3213056**	50
FBS 20-3,5	**3213069**	50
FBS 50-3,5	**3000706**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
SZF 0-0,4X2,5	**1204504**	10

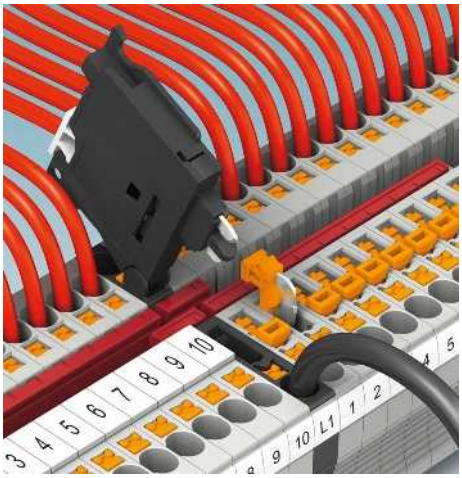
UCT-TM 3,5 or ZB 3,5 (see Catalog 5)
UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)

Accessories

D-PTIO 1,5/S/4	**3244588**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-3,5	**3213014**	50
FBS 3-3,5	**3213027**	50
FBS 4-3,5	**3213030**	50
FBS 5-3,5	**3213043**	50
FBS 10-3,5	**3213056**	50
FBS 20-3,5	**3213069**	50
FBS 50-3,5	**3000706**	10
SZF 1-0,6X3,5	**1204517**	10

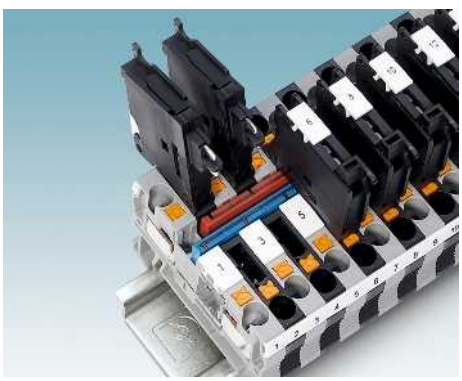
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)
UC-TMF 10, UCT-TMF 10 or ZBF 10 (see Catalog 5)

PT 4-HESI... lever-type fuse terminal blocks



The lever-type fuse terminal blocks are characterized by:

– Compact design and same shape as PT 4 feed-through terminal blocks and ...-MT and ...-TG function terminals
– Two function shafts mean that all potential distribution tasks can be undertaken at speed
– For example, jumping bridging can be used to bypass two separate potentials, see figure below.
– Test connection on both sides in safety lever
– Versions with light indicator for indicating that a fuse has blown round off the range

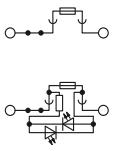


Notes:

[1]) If the fuse is faulty, the downstream circuit is not off load.

[2]) The reducing bridge table should be followed, see page 476.

[3]) The current is determined by the fuse used, the voltage by the selected light indicator. Observe the maximum power dissipation, see www.phoenixcontact.net/products.





4 (6) mm², 6.3 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses

Technical data

Dimensions			
Width	Length	Height NS 35/7,5	
6.2	**56**	**62.5**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
6.3[3])	**500[3])**	**0.2 - 6**	**24 - 10**
Rated data	IEC 60947-7-3		
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500[3])	300	300	-
Nominal current / cross section [A] / [mm²]	6.3 / 1	6.3 / -	6.3 / -	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 10	24-10	24-10	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 1
Direct plug-in connection cross sections [mm²]	0.5 - 6	-	0.5 - 4	0.5 - 4
General data				
Fuse type / dimensions – / [mm]	G / 5 x 20			
Stripping length [mm]	12			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

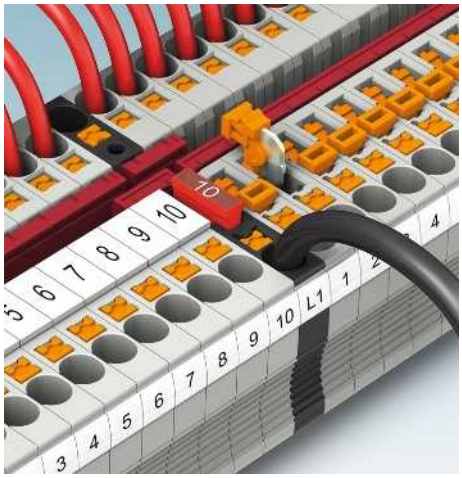
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35..., for cartridge fuse inserts 5 x 20 mm		black	**PT 4-HESI (5X20)**		**3211861**	50
With LED for 12-30 V AC/DC, 0.31-0.95 mA[1])		black	**PT 4-HESILED 24 (5X20)**		**3211903**	50
For 30-60 V AC/DC, 0.40-0.86 mA[1])		black	**PT 4-HESILED 60 (5X20)**		**3207908**	50
For 110-250 V AC/DC, 0.41-0.96 mA[1])		black	**PT 4-HESILA 250 (5X20)**		**3211907**	50

Accessories

Cover, width 2.2 mm		gray	**D-ST 4**		**3030420**	50
Plug-in bridge						
	2	red	**FBS 2-6**	32 A	**3030336**	50
	3	red	**FBS 3-6**	32 A	**3030242**	50
	4	red	**FBS 4-6**	32 A	**3030255**	50
	5	red	**FBS 5-6**	32 A	**3030349**	50
	10	red	**FBS 10-6**	32 A	**3030271**	10
	20	red	**FBS 20-6**	32 A	**3030365**	10
Reducing bridge[2])						
	2	red	**RB ST (2,5/4)-1,5/S**		**3214356**	10
Partition plate, 2 mm width		gray	**ATP-ST 4**		**3030721**	50
Connection pin, for coupling several fuse terminal blocks, made of plastic, 1 m long		gray	**VS**		**3004207**	1
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

Lever labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Lateral groove labeling	**UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)**

PT 4-FSI/F fuse terminal blocks for auto flat-type fuses



The fuse terminal blocks for auto flat-type fuses are characterized by:

- Compact design and same shape as PT 4 feed-through terminal blocks and ...-MT and ...-TG function terminals
- Two function shafts mean that all potential distribution tasks can be undertaken at speed
- For example, jumping bridging can be used to bypass two separate potentials, see figure below.
- Versions with light indicator for indicating that a fuse has blown round off the range
- Type C auto flat-type fuse terminal blocks are also available in the "ST spring-cage connection terminal blocks" section



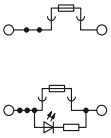
Notes:

[1]) If the fuse is faulty, the downstream circuit is not off load.

[2]) The current is determined by the fuse used, the voltage by the light indicator.

[3]) The reducing bridge table should be followed, see page 476.

[4]) 15 A for single arrangement, 10 A for group arrangement. For the derating curve, see www.phoenixcontact.net/products. The recommended continuous load capacity of fuse inserts according to DIN 72581/Part 3 is a maximum of 80% of their nominal current (at an ambient temperature of 23°C).





4 (6) mm², 10 A, fuse terminal block for type F flat-type fuses

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**56**	**36.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		15[4])	**400[2])**	**0.2 - 6 / 24 - 10**
Rated data		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400[2])	300	300 / -
Nominal current / cross section	[A] / [mm²]	10[2]) / 4	15 / -	15 / -
Rated cross section	[mm²]	4	-	-
Cross section range	AWG	24 - 10	24-10	24-10 / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4 / 0.25 - 4
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 1
Direct plug-in connection cross sections	[mm²]	0.5 - 6	-	0.5 - 4 / 0.5 - 4
General data				
Fuse type / dimensions	– / [mm]	Type F (miniature)		
Stripping length	[mm]	12		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35...		black	**PT 4-FSI/F**		**3208943**	50
With light indicator for 12 V DC, 1.7 mA[1])		black	**PT 4-FSI/F-LED 12**		**3208951**	50
For 24 V DC, 1.9 mA[1])		black	**PT 4-FSI/F-LED 24**		**3208964**	50

Accessories

Cover, width 2.2 mm		gray	**D-ST 4**		**3030420**	50
Insulation stop sleeve, cross section range:						
0.25 - 0.5 mm²		gray	**ISH 4/0,5**		**3002885**	50
0.75 - 1 mm²		black	**ISH 4/1,0**		**3002898**	50
Plug-in bridge						
	2	red	**FBS 2-6**	32 A	**3030336**	50
	3	red	**FBS 3-6**	32 A	**3030242**	50
	4	red	**FBS 4-6**	32 A	**3030255**	50
	5	red	**FBS 5-6**	32 A	**3030349**	50
	10	red	**FBS 10-6**	32 A	**3030271**	10
	20	red	**FBS 20-6**	32 A	**3030365**	10
Reducing bridge[3])						
	2	red	**RB ST (2,5/4)-1,5/S**		**3214356**	10
Partition plate, 2 mm width		gray	**ATP-ST 4**		**3030721**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-6**		**3030996**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Lateral groove labeling			**UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)**			

CB device circuit breakers



Branch out

The device circuit breakers provide reliable protection even if your systems involve long cable paths. Together with the SFB technology* of the QUINT POWER power supply units, the special SFB tripping characteristic of the CB device circuit breakers ensures fast shutdown in the event of an error. This combination offers maximum protection against overload and short-circuit currents.

*SFB - Selective Fuse Breaking, selective shutdown

Individual adaptation

You can pre-wire your systems with base elements and individually equip them with protective plugs on site. The device circuit breakers can also be quickly adapted to accommodate necessary changes in your system. Should you change a load, simply replace the relevant protective plug. Various tripping methods, characteristic curves, and nominal currents are available depending on the application.

Modular expansion

It couldn't be easier. Extend your system with additional device circuit breakers in no time at all. You can bridge the power distribution, remote signaling or even the auxiliary voltage for electronic circuit breakers without this resulting in significant wiring costs. The uniform, plug-in housing concept as well as the bridgeability of the base elements simplify installation.

Detailed information on the device circuit breakers can be found in Catalog 6 or at www.phoenixcontact.net/products



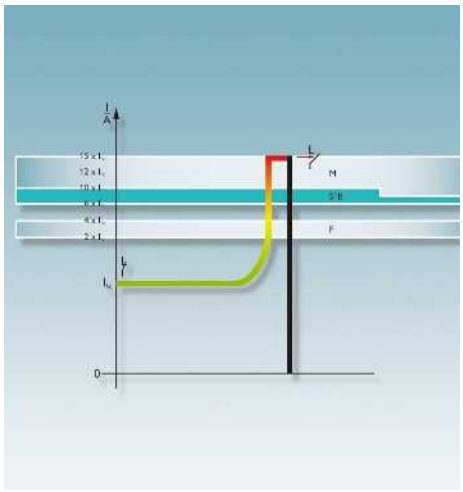
Latching

You can quickly and easily remove the plugs from the base element. The new latching ensures a secure fit in harsh environments and where there are vibrations in the installation environment. It holds the plug in place in the base element.



Coding

Straightforward coding means that components can be mounted on the base element according to individual requirements without any errors.



SFB tripping characteristic

Thermomagnetic device circuit breakers with SFB tripping characteristic* provide maximum overcurrent protection – even in large systems with long cable paths.



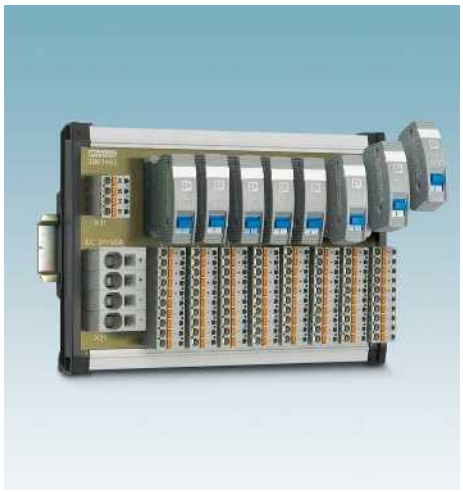
Bridging

With the unique bridging system from our standard range, the device circuit breakers can be combined easily as per your requirements. Potentials of the same type can be connected quickly and safely.



Variable connection technologies

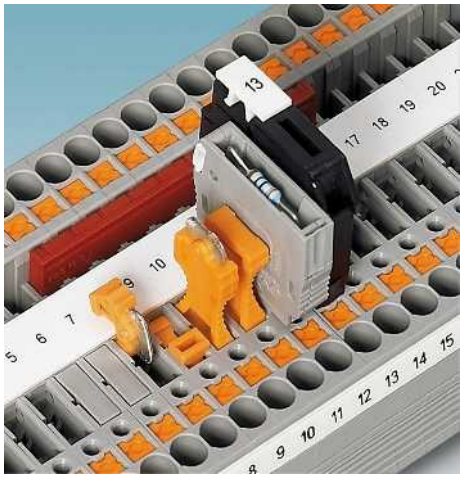
You can choose base elements with either push-in or screw connection technology.



Device circuit breaker board

Multi-channel device circuit breaker boards are available with 4, 8 or 12 channels.

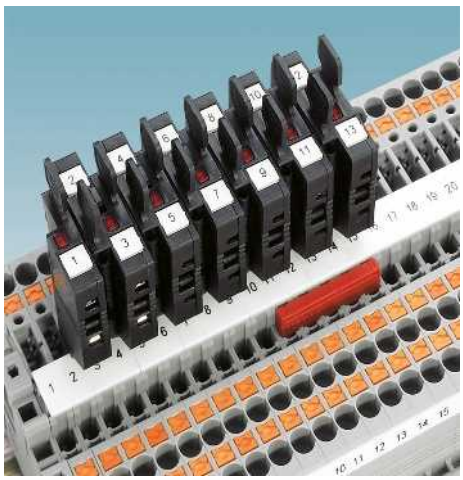
PT ...-TG disconnect terminal blocks for accommodating function plugs



- For disconnect terminal block with universal disconnect zone for accommodating isolating plugs, feed-through connectors, component plugs, and fuse plugs, see page 483
- Seamless and can be double bridged for all tasks in time-saving potential supply and distribution
- Testing facility on both sides of the disconnect point

P-FU 5X20-5 fuse plug

- Appropriate for short-circuit and overload protection
- When offset, the fuse plug fits on the disconnect terminal blocks with a 5.2 mm pitch, see figure below



Notes:

For PTI 2,5...-TG multi-level disconnect terminal blocks, see page 193.

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) If the fuse is faulty, the downstream circuit is not off load.

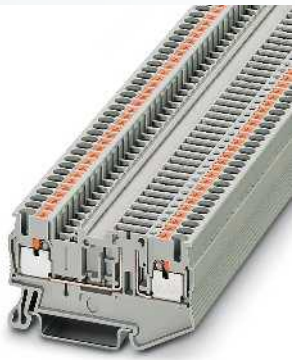
[3]) Observe max. load current.

[4]) Observe max. load current, depending on the power dissipation of the components. Max. 0.5 W with single arrangement.

[5]) For max. power dissipation, see page 724.

[6]) Current and voltage are determined by the plug used.

[7]) The reducing bridge table should be followed, see page 476.



2.5 (4) mm², 20 A, disconnect terminal block

Technical data

Dimensions			
Width	Length	Height NS 35/7,5	
5.2	**62**	**36.5**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**400[6])**	**0.14 - 4**	**26 - 12**
Rated data	IEC 60947-7-1		
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400[6])	300	300	-
Nominal current / cross section [A] / [mm²]	20 / 2.5	20 / -	20 / -	-
Rated cross section [mm²]	2.5	-	-	-
Cross section range AWG	26 - 12	26-12	26-12	-
Connection capacity	solid	stranded	Ferrule	
			Without / with plastic sleeve	
1 conductor [mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
Direct plug-in connection cross sections [mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class according to UL 94	V0			

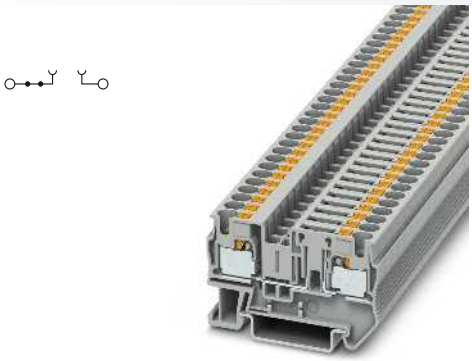
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Disconnect terminal block, for mounting on NS 35...		gray	**PT 2,5-TG**		**3210185**	50

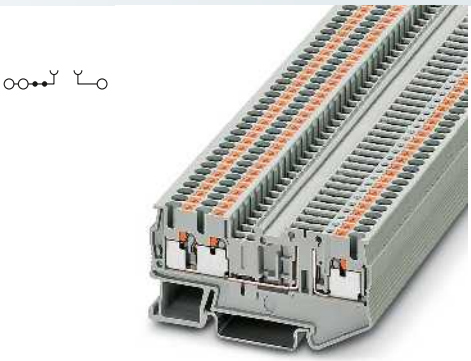
Accessories

Cover, width 2.2 mm		gray	**D-PT 2,5-MT**		**3211003**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Reducing bridge[7])						
	2	red				
Partition plate, 2 mm width		gray	**ATP-ST-TWIN**		**3030789**	50
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Isolating plug[3])		orange	**P-DI**		**3036783**	50
Feed-through connector[3])		gray	**P-FIX**		**3038956**	50
Component plug, labeled with ZBF 5 or UC-TMF 5[4])		gray	**P-CO**		**3036796**	10
Fuse plug, width 5.2 mm²)		black	**P-FU 5X20-5**		**3209235**	10
With LED for 12-30 V DC, 0.35-0.95 mA		black	**P-FU 5X20 LED 24-5**		**3209248**	10
For 30-60 V AC/DC, 0.36-0.95 mA		black	**P-FU 5X20 LED 60-5**		**3209251**	10
For 110-250 V AC/DC, 0.4-0.95 mA		black	**P-FU 5X20 LED 250-5**		**3209264**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



4 (6) mm², 20 A, disconnect terminal block



2.5 (4) mm², 20 A, disconnect terminal block, 3 connections



2.5 (4) mm², 20 A, disconnect terminal block, 4 connections

Technical data

Width	Length	Height NS 35/7,5	
6.2	**56**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[6])	**400[6])**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[6])	300	300	-
20[6]) / 2.5	20 / -	20 / -	-
4	-	-	-
24 - 10	24-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4 0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 4-TG		**3211922**	50

Accessories

D-ST 4		**3030420**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
RB ST (2,5/4)-1,5/S		**3214356**	10
ATP-ST 4		**3030721**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
P-FU 5X20 LED 24		**3036819**	10
P-FU 5X20 LED 60		**3036822**	10
P-FU 5X20 LA 250		**3036835**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**74**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[1])	**400[6])**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[6])	300	300	-
20[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-TWIN-TG		**3210198**	50

Accessories

D-PT 2,5-TWIN-MT		**3211317**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST QUATTRO		**3030815**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20-5		**3209235**	10
P-FU 5X20 LED 24-5		**3209248**	10
P-FU 5X20 LED 60-5		**3209251**	10
P-FU 5X20 LED 250-5		**3209264**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**84**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[1])	**400[6])**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[6])	300	300	-
20[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

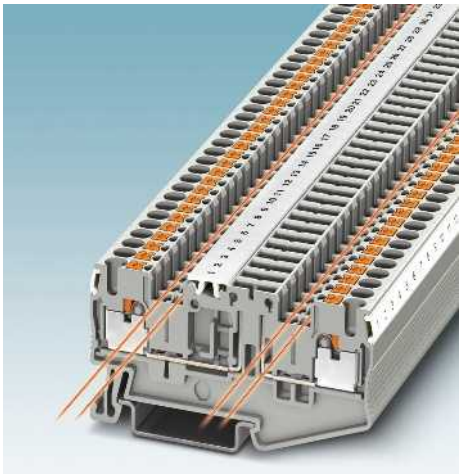
Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-QUATTRO-TG		**3210208**	50

Accessories

D-ST 2,5-QUATTRO-MT		**3038590**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20-5		**3209235**	10
P-FU 5X20 LED 24-5		**3209248**	10
P-FU 5X20 LED 60-5		**3209251**	10
P-FU 5X20 LED 250-5		**3209264**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

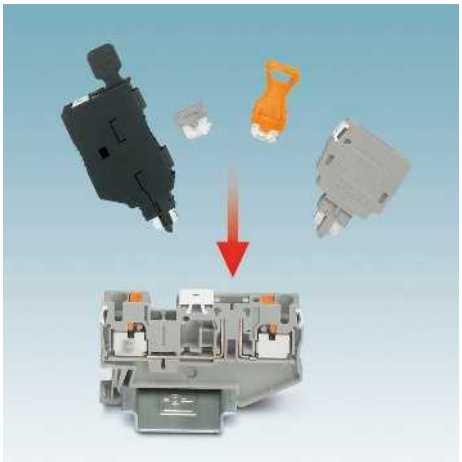
Disconnect terminal blocks, for accommodating function plugs, can be bridged four times, PT ...-TGB



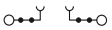
- Disconnect terminal block with universal disconnect zone and a double function shaft on each side of the disconnect zone
- Disconnect zone for accommodating isolating plugs, feed-through connectors, component plugs, and fuse plugs; see page 480
- Testing facility on both sides of the disconnect point

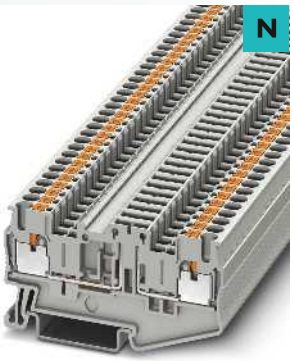
P-FU 5X20-5 fuse plug

- Appropriate for short-circuit and overload protection
- When offset, the fuse plug fits on the disconnect terminal blocks with a 5.2 mm pitch, see figure below



Notes:
For further plug-in bridges, see page 472.
1) The total current of all connected conductors must not exceed the max. load current.
2) If the fuse is faulty, the downstream circuit is not off load.
3) Observe max. load current.
4) Observe max. load current, depending on the power dissipation of the components. Max. 0.5 W with single arrangement.
5) Current and voltage are determined by the plug used.
6) 3-pos. termination block.





2.5 (4) mm², 16 A, disconnect terminal block

Technical data

Dimensions			
Width	Length	Height NS 35/7,5	
5.2	**70.1**	**36.8**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
16	**400**[5]	**0.14 - 4**	**26 - 12**
Rated data		IEC 60947-7-1	
IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400[5]	-	-	-
Nominal current / cross section [A] / [mm²]	16 / 2.5	- / -	-	-
Rated cross section [mm²]	2.5	-	-	-
Cross section range AWG	26 - 12	-	-	-
Disconnect level rated data	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section [A] / [mm²]	-	- / -	-	-
Connection capacity	solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor [mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
Direct plug-in connection cross sections [mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class according to UL 94	V0			

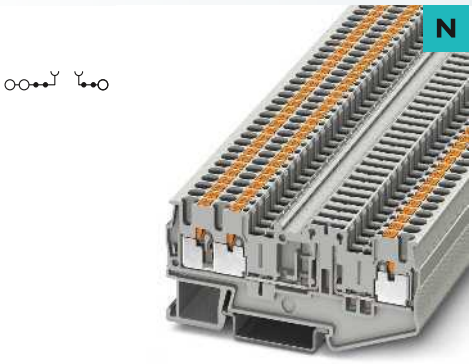
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PT 2,5-TGB**		**3210192**	50
		gray				

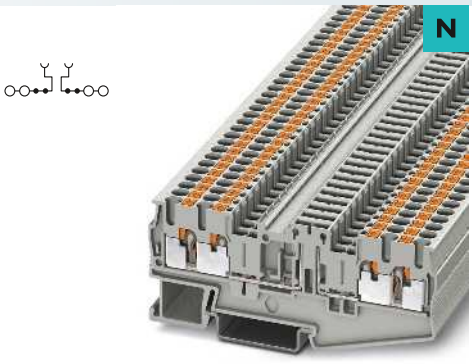
Accessories

Cover, width 2.2 mm		gray	**D-PT 2,5-MTB**		**3210196**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Isolating plug[3]		orange	**P-DI**		**3036783**	50
Feed-through connector[3]		gray	**P-FIX**		**3038956**	50
Component plug, labeled with ZBF 5 or UC-TMF 5[4]		gray	**P-CO**		**3036796**	10
Fuse plug, width 5.2 mm²)		black	**P-FU 5X20-5**		**3209235**	10
With LED for 12-30 V DC, 0.35-0.95 mA		black	**P-FU 5X20 LED 24-5**		**3209248**	10
For 30-60 V AC/DC, 0.36-0.95 mA		black	**P-FU 5X20 LED 60-5**		**3209251**	10
For 110-250 V AC/DC, 0.4-0.95 mA		black	**P-FU 5X20 LED 250-5**		**3209264**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

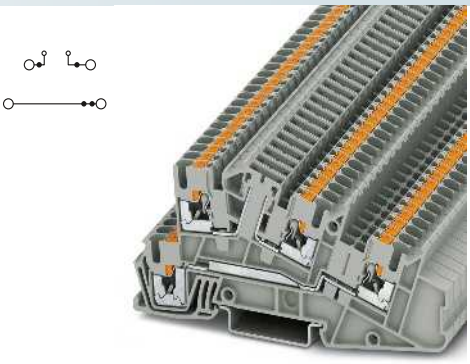
Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



2.5 (4) mm², 16 A, disconnect terminal block, 3 connections



2.5 (4) mm², 16 A, disconnect terminal block, 4 connections



4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x disconnect zone

Technical data

Width	Length	Height NS 35/7,5	
5.2	81.9	36.7	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
16[1])	400[5])	0.14 - 4	26 - 12
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[5])	-	-	-
16[1]) / 2.5	- / -	-	-
2.5	-	-	-
26 - 12	-	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	- / -	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-TWIN-TGB		3210193	50

Accessories

D-PT 2,5-TWIN-MTB		3210202	50
ISH 2,5/0,2		3002843	50
ISH 2,5/0,5		3002856	50
ISH 2,5/1,0		3002869	50
FBS 2-5	24 A	3030161	50
FBS 3-5	24 A	3030174	50
FBS 5-5	24 A	3030190	50
FBS 10-5	24 A	3030213	10
FBS 20-5	24 A	3030226	10
MPS-MT		0201744	10
MPS-IH RD		0201676	10
PS-5		3030983	10
P-DI		3036783	50
P-FIX		3038956	50
P-CO		3036796	10
P-FU 5X20-5		3209235	10
P-FU 5X20 LED 24-5		3209248	10
P-FU 5X20 LED 60-5		3209251	10
P-FU 5X20 LED 250-5		3209264	10
SZF 1-0,6X3,5		1204517	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	92.2	36.7	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
16[1])	400[5])	0.14 - 4	26 - 12
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[5])	-	-	-
16[1]) / 2.5	- / -	-	-
2.5	-	-	-
26 - 12	-	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	- / -	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-QUATTRO-TGB		3210194	50

Accessories

D-PT 2,5-QUATTRO-MTB		3210209	50
ISH 2,5/0,2		3002843	50
ISH 2,5/0,5		3002856	50
ISH 2,5/1,0		3002869	50
FBS 2-5	24 A	3030161	50
FBS 3-5	24 A	3030174	50
FBS 5-5	24 A	3030190	50
FBS 10-5	24 A	3030213	10
FBS 20-5	24 A	3030226	10
MPS-MT		0201744	10
MPS-IH RD		0201676	10
PS-5		3030983	10
P-DI		3036783	50
P-FIX		3038956	50
P-CO		3036796	10
P-FU 5X20-5		3209235	10
P-FU 5X20 LED 24-5		3209248	10
P-FU 5X20 LED 60-5		3209251	10
P-FU 5X20 LED 250-5		3209264	10
SZF 1-0,6X3,5		1204517	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	101	50.5	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[6])	400[5])	0.14 - 4	26 - 12
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[5])	300	-	-
24 / 4	20 / -	-	-
4	-	-	-
26 - 12	26-12	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16 / 1.5	20 / -	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

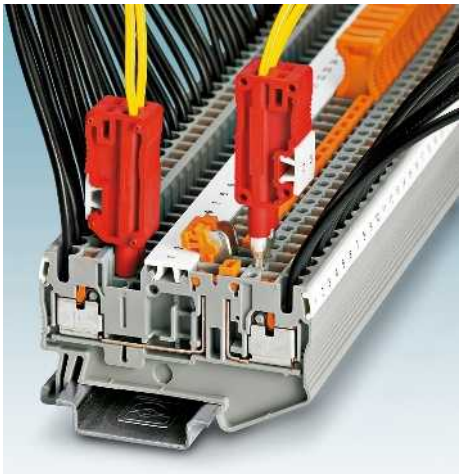
Type	I_{max}	Order No.	Pcs. / Pkt.
PTI 2,5-L/TG		3213961	50
PTI 2,5-PE/L/TG		3213960	50

Accessories

D-PTI/3B		3213976	50
ISH 2,5/0,2		3002843	50
ISH 2,5/0,5		3002856	50
ISH 2,5/1,0		3002869	50
FBS 2-5	24 A	3030161	50
FBS 3-5	24 A	3030174	50
FBS 5-5	24 A	3030190	50
FBS 10-5	24 A	3030213	10
FBS 20-5	24 A	3030226	10
PS-5		3030983	10
P-DI		3036783	50
P-FIX		3038956	50
P-CO		3036796	10
P-FU 5X20-5		3209235	10
P-FU 5X20 LED 24-5		3209248	10
P-FU 5X20 LED 60-5		3209251	10
P-FU 5X20 LED 250-5		3209264	10
SZF 1-0,6X3,5		1204517	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

PT ...-MT knife disconnect terminal blocks



- Knife disconnect terminal block with a current carrying capacity of 20 A
- Seamless and can be double bridged for all tasks in time-saving potential supply and distribution
- Testing facility on both sides of the disconnect point

S-MT switching lock

- The optional switching lock snaps in and effectively prevents accidental switching, see figure below



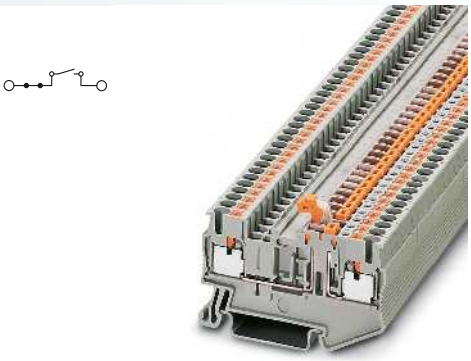
Notes:

For PTI 2,5...-LTB multi-level knife disconnect terminal blocks, see page 190.

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) The reducing bridge table should be followed, see page 476.

[3]) Also see page 480.



2.5 (4) mm², 20 A, knife disconnect terminal block

Technical data

Dimensions				
	Width	Length	Height NS 35/7,5	
[mm]	**5.2**	**62**	**36.5**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	20	**400**	**0.14 - 4**	**26 - 12**
Rated data	IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400	300	300	-
Nominal current / cross section [A] / [mm²]	20 / 2.5	20 / -	20 / -	-
Rated cross section [mm²]	2.5	-	-	-
Cross section range AWG	26 - 12	26-12	26-12	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
Direct plug-in connection cross sections [mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class according to UL 94	V0			

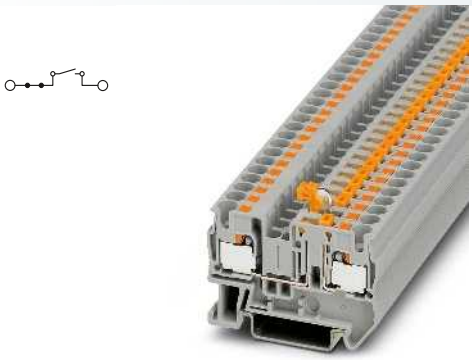
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, for mounting on NS 35...		gray	**PT 2,5-MT**		**3210156**	50
		blue	**PT 2,5-MT BU**		**3211650**	50

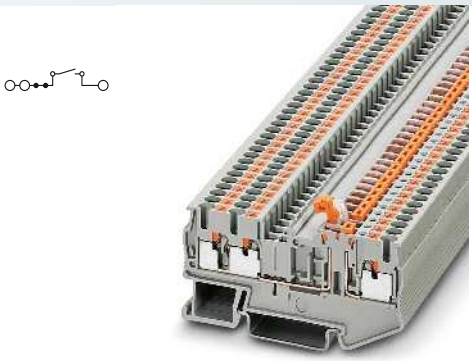
Accessories

Cover, width 2.2 mm		gray	**D-PT 2,5-MT**		**3211003**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray				
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Reducing bridge[2])	2	red				
Switching lock, plug-in[3])		white	**S-MT**		**3247954**	50
Partition plate, 2 mm width		gray	**ATP-ST-TWIN**		**3030789**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

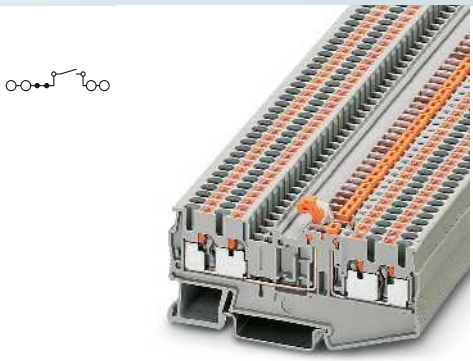
Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



4 (6) mm², 20 A, knife disconnect terminal block



2.5 (4) mm², 20 A, knife disconnect terminal block, 3 connections



2.5 (4) mm², 20 A, knife disconnect terminal block, 4 connections

Technical data

Width	Length	Height NS 35/7,5	
6.2	**56**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**400**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	300	-
20 / 2.5	20 / -	20 / -	-
4	-	-	-
24 - 10	24-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4 0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 4-MT		**3211933**	50

Accessories

D-ST 4		**3030420**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
RB ST (2,5/4)-1,5/S		**3214356**	10
S-MT		**3247954**	50
ATP-ST 4		**3030721**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**74**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[1])	**400**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	300	-
20[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-TWIN-MT		**3210169**	50
PT 2,5-TWIN-MT BU		**3211663**	50

Accessories

D-PT 2,5-TWIN-MT		**3211317**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
S-MT		**3247954**	50
ATP-ST QUATTRO		**3030815**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**84**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[1])	**400**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	300	-
20[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

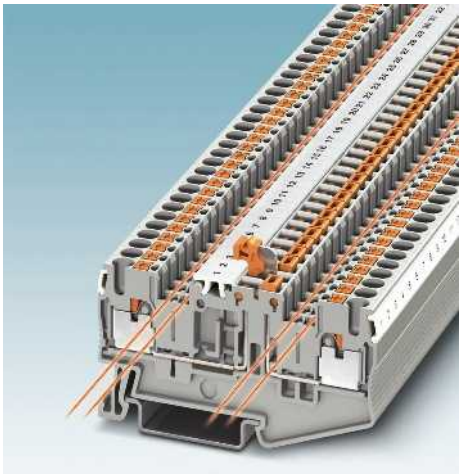
Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-QUATTRO-MT		**3210172**	50
PT 2,5-QUATTRO-MT BU		**3211676**	50

Accessories

D-ST 2,5-QUATTRO-MT		**3038590**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
S-MT		**3247954**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Knife disconnect terminal blocks, can be bridged four times, PT ...-MTB

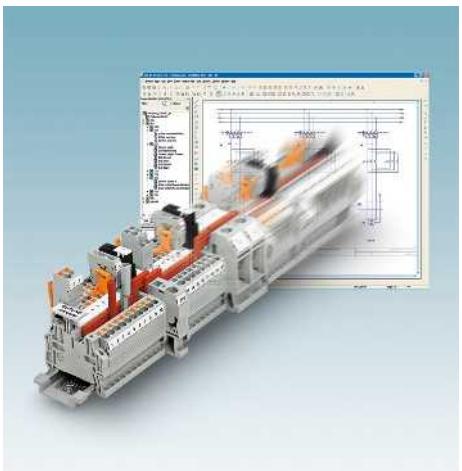


– Knife disconnect terminal block with a double function shaft on each side of the disconnect zone for all tasks involved in time-saving potential infeed and distribution
– Testing facility on both sides of the disconnect point

S-MT switching lock

– The optional switching lock snaps in and effectively prevents accidental switching, see figure below

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

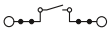


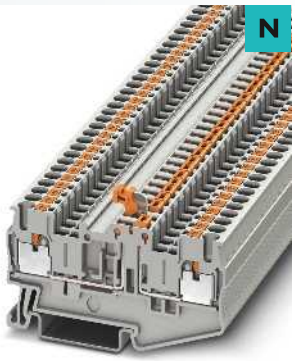
Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) 3-pos. termination block.

[3]) Also see page 480.





2.5 (4) mm², 16 A, knife disconnect terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**70.1**	**36.7**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		16	**400**	**0.14 - 4** / **26 - 12**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400	-	- / -
Nominal current / cross section	[A] / [mm²]	16 / 2.5	- / -	- / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	26 - 12	-	- / -
Disconnect level rated data		IEC	UL/CUL	CSA / IEC/EN 60079-7
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5
Direct plug-in connection cross sections	[mm²]	0.34 - 4	-	0.34 - 2.5 / 0.34 - 2.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

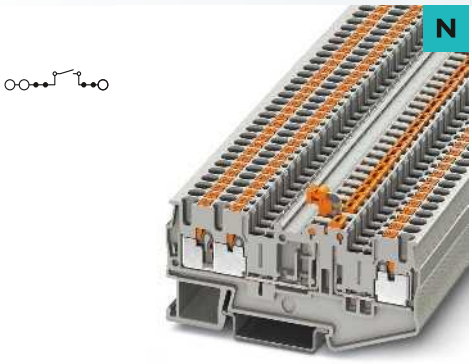
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PT 2,5-MTB**		**3210157**	50
		blue	**PT 2,5-MTB BU**		**3210163**	50
		gray				

Accessories

Cover, width 2.2 mm		gray	**D-PT 2,5-MTB**		**3210196**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Switching lock, plug-in[3])		white	**S-MT**		**3247954**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

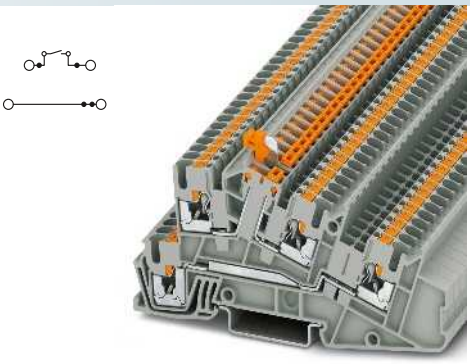
Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



2.5 (4) mm², 16 A, knife disconnect terminal block, 3 connections



2.5 (4) mm², 16 A, knife disconnect terminal block, 4 connections



4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x L phase conductor can be disconnected

Technical data

Width	Length	Height NS 35/7,5	
5.2	**81.9**	**36.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
16[1])	**400**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
16[1]) / 2.5	- / -	-	-
2.5	-	-	-
26 - 12	-	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	- / -	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-TWIN-MTB		**3210170**	50
PT 2,5-TWIN-MTB BU		**3210177**	50

Accessories

D-PT 2,5-TWIN-MTB		**3210202**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
S-MT		**3247954**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**92.2**	**36.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
16[1])	**400**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
16[1]) / 2.5	- / -	-	-
2.5	-	-	-
26 - 12	-	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	- / -	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-QUATTRO-MTB		**3210184**	50
PT 2,5-QUATTRO-MTB BU		**3210191**	50

Accessories

D-PT 2,5-QUATTRO-MTB		**3210209**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
S-MT		**3247954**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**101**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[2])	**400**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
24 / 4	20 / -	-	-
4	-	-	-
26 - 12	26-12	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16 / 1.5	20 / -	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

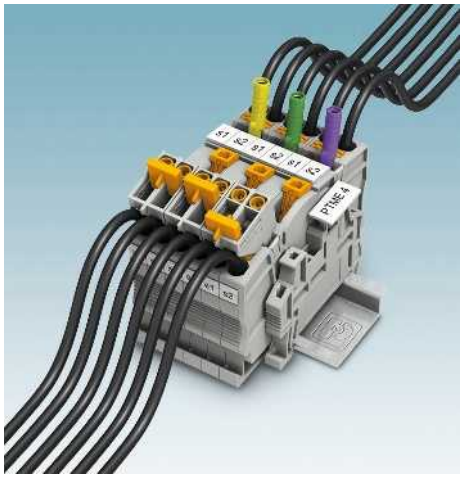
Type	I_{max}	Order No.	Pcs. / Pkt.
PTI 2,5-L/LTB		**3213958**	50
PTI 2,5-PE/L/LTB		**3213957**	50

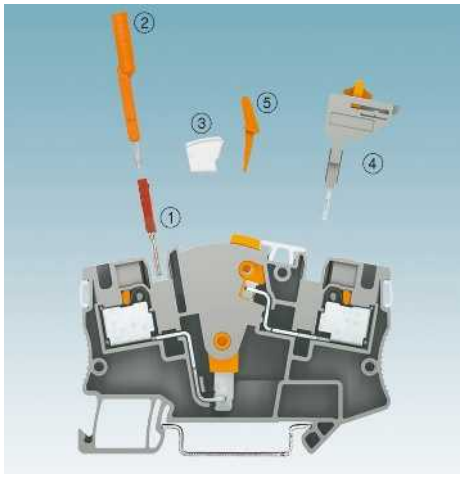
Accessories

D-PTI/3B		**3213976**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
S-MT		**3247954**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

PTME 4 test disconnect terminal blocks





Notes:

For current carrying capacity of DIN rails, see page 716.

For corresponding AP-ME and AH-ME terminal strip covers, see Catalog 5.

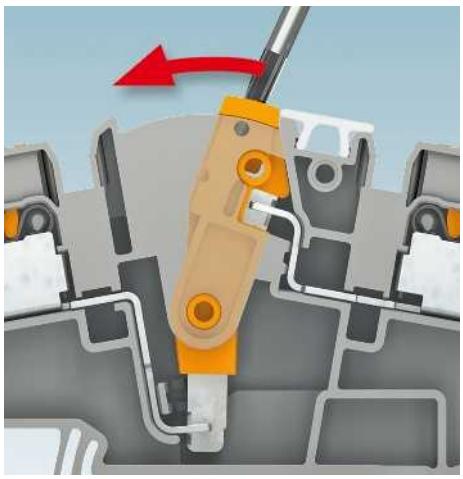
The PTME 4 test disconnect terminal blocks with push-in technology are characterized by:

– Compact design
– Easy operation
– Clear arrangement
– Flexible and comprehensive accessories
– Feed-through and ground terminal blocks of the same shape are available

– Current transformer measuring circuit can be created using just two PTME 4
– Less space required compared to creating circuits with slide-type terminal blocks

① FBS... plug-in bridge for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 4 switching lock
④ SB-ME... switching jumper
⑤ C-ME 4/2 connection bridge

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
Direct plug-in connection cross sections	[mm²]
General data	
Stripping length	[mm]
Insulating material	
Inflammability class according to UL 94	





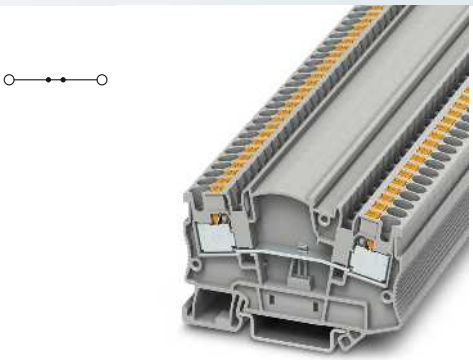
– Reliable contacting and latching of the longitudinal isolating switch in the relevant switching state
– Clear selection thanks to printed switching symbols
– Unintentional switching prevented by means of optional switching lock
– Simultaneous actuation of two switches using connection bridge

– SB-ME ... switching jumpers can be positioned and latched on both sides of the disconnect point in the bridge shaft
– Reliably snapped into the end positions
– Contact made via screw terminal points

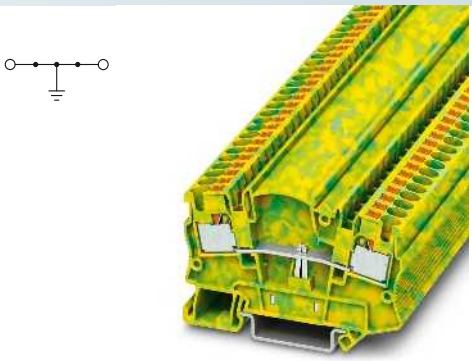
Description	No. of pos.	Color
Test disconnect terminal block, for mounting on NS 35		gray
Feed-through terminal block, for mounting on NS 35...		gray
Ground terminal block, for mounting on NS 35...		green-yellow
Cover, width 2.2 mm		gray
Switching jumper, plug-in		
	2	gray/orange
	3	gray/orange
	4	gray/orange
Plug-in bridge		
	2	red
	3	red
	4	red
	5	red
	10	red
	20	red
Switching lock, plug-in		white
Connection bridge, for connecting two test disconnect terminal blocks		orange
3-pos.		orange
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft		orange
		blue
		red
		yellow
		green
		violet
		black
		brown
		gray
Screwdriver		
Center groove labeling		
Center and lateral groove labeling		



4 (6) mm², 24 A, test disconnect terminal block



4 (6) mm², 32 A, feed-through terminal block, same shape



4 (6) mm², ground terminal block, same shape

Technical data

Width	Length	Height NS 35/7,5	
6.2	**70.5**	**49.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**500**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
24 / 4	26 / -	26 / -	-
4	-	-	-
24 - 10	24-10	24-10	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTME 4		**3212139**	50

Accessories

D-PTME 4		**3212167**	10
SB-ME 2-6	25 A	**3035755**	10
SB-ME 3-6	25 A	**3035756**	10
SB-ME 4-6	25 A	**3035757**	10
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
S-ME 4		**3035758**	10
C-ME 4/2		**3035759**	10
C-ME 4/3		**3035760**	10
PAI-4-FIX-5/6 OG		**3035974**	10
PAI-4-FIX-5/6 BU		**3035975**	10
PAI-4-FIX-5/6 RD		**3035976**	10
PAI-4-FIX-5/6 YE		**3035977**	10
PAI-4-FIX-5/6 GN		**3035978**	10
PAI-4-FIX-5/6 VT		**3035979**	10
PAI-4-FIX-5/6 BK		**3035980**	10
PAI-4-FIX-5/6 BN		**3035981**	10
PAI-4-FIX-5/6 GY		**3035982**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**70.5**	**49.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**500**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
32 / 4	26 / -	26 / -	-
4	-	-	-
24 - 10	24-10	24-10	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTMED 4		**3212141**	50

Accessories

D-PTME 4		**3212167**	10
SB-ME 2-6	25 A	**3035755**	10
SB-ME 3-6	25 A	**3035756**	10
SB-ME 4-6	25 A	**3035757**	10
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
PAI-4-FIX-5/6 OG		**3035974**	10
PAI-4-FIX-5/6 BU		**3035975**	10
PAI-4-FIX-5/6 RD		**3035976**	10
PAI-4-FIX-5/6 YE		**3035977**	10
PAI-4-FIX-5/6 GN		**3035978**	10
PAI-4-FIX-5/6 VT		**3035979**	10
PAI-4-FIX-5/6 BK		**3035980**	10
PAI-4-FIX-5/6 BN		**3035981**	10
PAI-4-FIX-5/6 GY		**3035982**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**70.5**	**49.5**	
		max. Ø [mm²]	AWG
		0.2 - 6	**24 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	-
24 - 10	24-10	24-10	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTMED 4-PE	**3212154**	50

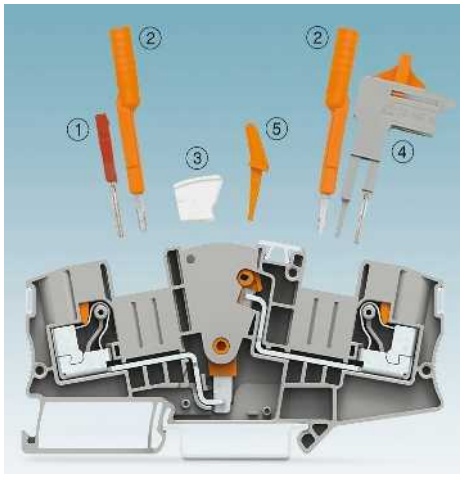
Accessories

FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
PAI-4-FIX-5/6 OG	**3035974**	10
PAI-4-FIX-5/6 BU	**3035975**	10
PAI-4-FIX-5/6 RD	**3035976**	10
PAI-4-FIX-5/6 YE	**3035977**	10
PAI-4-FIX-5/6 GN	**3035978**	10
PAI-4-FIX-5/6 VT	**3035979**	10
PAI-4-FIX-5/6 BK	**3035980**	10
PAI-4-FIX-5/6 BN	**3035981**	10
PAI-4-FIX-5/6 GY	**3035982**	10
SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

PTME 6 test disconnect terminal blocks





Notes:
For current carrying capacity of DIN rails, see page 716.
For further test adapters, see page 479.
For further plug-in bridges, see page 472.
For COMBI plug-in test disconnect terminal blocks, see page 373.
For corresponding AP-ME and AH-ME terminal strip covers, see Catalog 5.

The new PTME 6 test disconnect terminal blocks with push-in technology are characterized by:

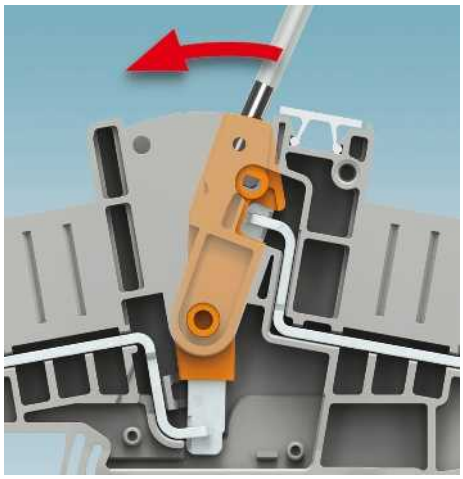
- Compact design
- Easy operation
- Clear arrangement
- Six function shafts
- Flexible and comprehensive accessories
- Feed-through terminal block of the same shape available

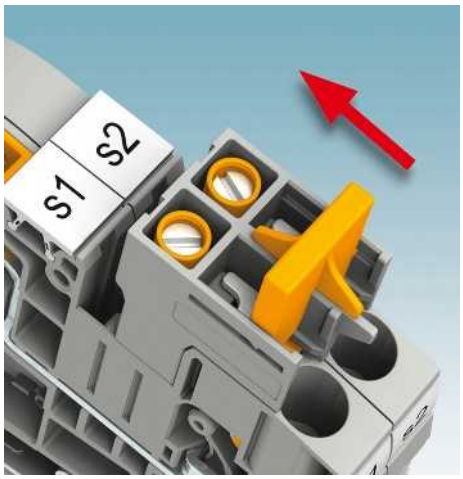
- Current transformer measuring circuit can be created using just two PTME 6
- Less space required compared to creating circuits with slide-type terminal blocks

① FBS... plug-in bridge for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 6 switching lock
④ SB-ME... switching jumper
⑤ C-ME 6/2 connection bridge

Dimensions	
	[mm]
Max. electrical data	

Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
Direct plug-in connection cross sections	[mm²]
General data	
Stripping length	[mm]
Insulating material	
Inflammability class according to UL 94	





- Reliable contacting and latching of the longitudinal isolating switch in the relevant switching state
- Clear selection thanks to printed switching symbols
- Unintentional switching prevented by means of optional switching lock
- Simultaneous actuation of two switches using connection bridge

- SB-ME ... switching jumpers can be positioned and latched on both sides of the disconnect point in the bridge shaft
- Reliably snapped into the end positions
- Contact made via screw terminal points

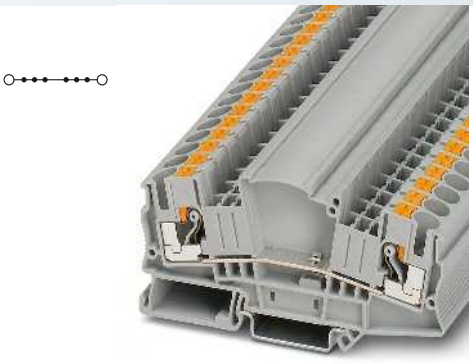
Description	No. of pos.	Color
Test disconnect terminal block, for mounting on NS 35		gray
Feed-through terminal block, for mounting on NS 35...		gray
Ground terminal block, for mounting on NS 35...		green-yellow

Cover, width 2.2 mm		gray
Switching jumper, plug-in		
	2	gray/orange
	3	gray/orange
	4	gray/orange
Plug-in bridge		
	2	red
	5	red
	10	red
Pre-assembled bridge, labeled		
3-pos., positions 1, 3	2	red
4-pos., positions 1, 4	2	red
5-pos., positions 1, 3, 5	3	red
10-pos. positions 1, 4, 7, 10	4	red
Switching lock, plug-in		white
Connection bridge, for connecting two test disconnect terminal blocks		orange
3-pos.		orange
Test adapter, for 4-mm-Ø safety test plug, snapped into bridge shaft		orange yellow green violet
Partition plate, with storage option for switching jumpers		gray
Screwdriver		

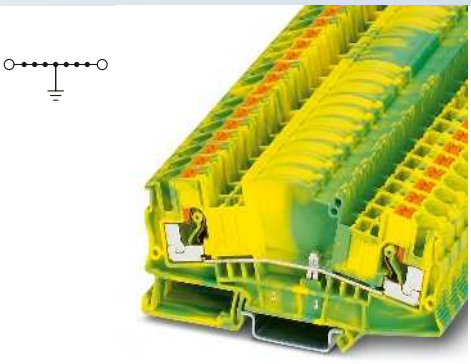
Center groove labeling
Center and lateral groove labeling



6 (10) mm², 30 A, test disconnect terminal block



6 (10) mm², 41 A, feed-through terminal block, same shape



6 (10) mm², ground terminal block, same shape

Technical data

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**500**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
30 / 6	30 / -	30 / -	-
6	-	-	-
20 - 8	20-8	20-8	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTME 6		**3212170**	50

Accessories

D-DTME 6		**3034426**	10
SB-ME 2-8	30 A	**3034468**	10
SB-ME 3-8	30 A	**3032800**	10
SB-ME 4-8	30 A	**3034484**	10
FBS 2-8	41 A	**3030284**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
FBS 1/3-8	41 A	**3032363**	10
FBS 1/4-8	41 A	**3032376**	10
FBS 1/3/5-8	41 A	**3032389**	10
FBS 1/4/7/10-8	41 A	**3032402**	10
S-ME 6		**3034439**	10
C-ME 6/2		**3034442**	10
C-ME 6/3		**3034390**	50
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
PAI-4-FIX VT		**3032761**	10
CARRIER 35-8		**3034387**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**500**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
41 / 6	30 / -	30 / -	-
6	-	-	-
20 - 8	20-8	20-8	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTMED 6		**3212183**	50

Accessories

D-DTME 6		**3034426**	10
SB-ME 2-8	30 A	**3034468**	10
SB-ME 3-8	30 A	**3032800**	10
SB-ME 4-8	30 A	**3034484**	10
FBS 2-8	41 A	**3030284**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
FBS 1/3-8	41 A	**3032363**	10
FBS 1/4-8	41 A	**3032376**	10
FBS 1/3/5-8	41 A	**3032389**	10
FBS 1/4/7/10-8	41 A	**3032402**	10
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
PAI-4-FIX VT		**3032761**	10
CARRIER 35-8		**3034387**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
		max. Ø [mm²]	AWG
		0.5 - 10	**20 - 8**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	-
20 - 8	20-8	20-8	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTMED 6-PE	**3212196**	50

Accessories

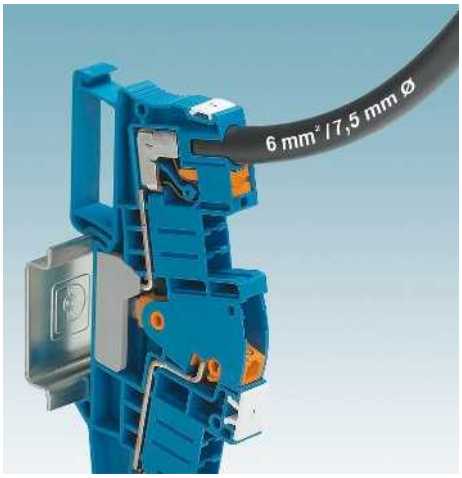
D-DTME 6		**3034426**	10
FBS 2-8		**3030284**	10
FBS 5-8		**3030310**	10
FBS 10-8		**3030323**	10
FBS 1/3-8		**3032363**	10
FBS 1/4-8		**3032376**	10
FBS 1/3/5-8		**3032389**	10
FBS 1/4/7/10-8		**3032402**	10
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
PAI-4-FIX VT		**3032761**	10
CARRIER 35-8		**3034387**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

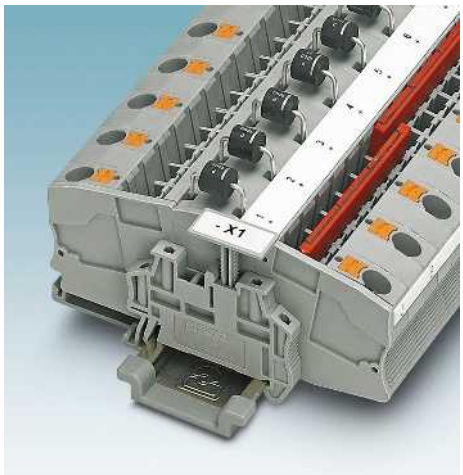
1000 V, PTME 6...HV disconnect and diode terminal blocks for photovoltaics



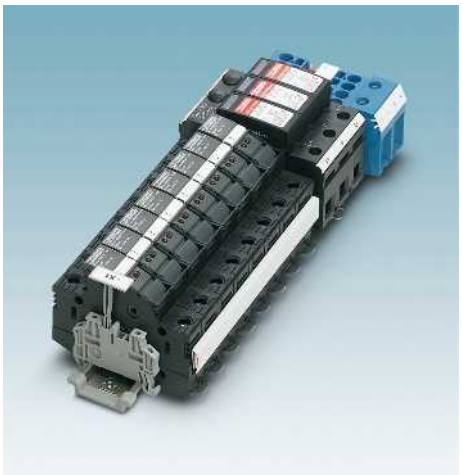
The new disconnect and diode terminal blocks were designed especially for applications in solar technology and are characterized by:
– A dielectric strength of up to 1000 V DC
– Continuous function shafts allow the individual PV lines to be easily grouped using plug-in bridges



– Connection of standard solar cables up to 6 mm² and with 7.5 mm outside diameter



– A space-saving design of the same shape for compact generator switching boxes
– The DP-STMED 6 spacer plate provides sufficient space between two neighboring diode terminal blocks, see figure below



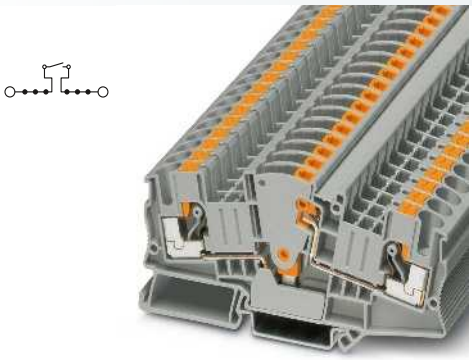
– Fuse terminal blocks up to 1500 V are available for protecting monocrystalline and polycrystalline PV lines, see page 538

Notes:
If several diode terminal blocks need adding to the DIN rail, a spacer plate must be placed between them.
Covers should ensure that the parts are not touched.
For corresponding AP-ME and AH-ME terminal strip covers, see Catalog 5.
For further test adapters, see page 479.
For further plug-in bridges, see page 472.
For further fuse terminal blocks, see page 534.
1) If the diode is loaded with 5 A, the surface temperature reaches 140°C.
2) 1000 V reverse voltage.

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
Direct plug-in connection cross sections	[mm²]
General data	
Stripping length	[mm]
Insulating material	
Inflammability class according to UL 94	

Description	No. of pos.	Color
Terminal block, for mounting on NS 35...		gray blue
Spacer plate		gray
Terminal block, with integrated diode, conducting from left to right		gray
Terminal block, with integrated diode, conducting from right to left		gray
Terminal block, for soldering in a component		gray
Cover, width 2.2 mm		gray
Switching jumper, plug-in		
	2	gray/orange
	3	gray/orange
	4	gray/orange
Plug-in bridge		
	2	red
	5	red
	6	red
	10	red
Switching lock, plug-in		white
Connection bridge, for connecting two test disconnect terminal blocks		orange
3-pos.		orange
Test adapter, for 4-mm-Ø safety test plug, snapped into bridge shaft		orange yellow green violet black blue
Partition plate, with storage option for switching jumpers		gray
Screwdriver		

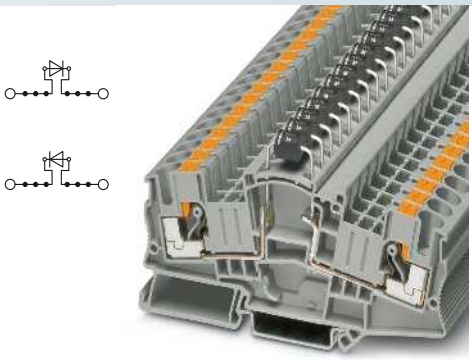
Center groove labeling
Center and lateral groove labeling



6 (10) mm², 30 A, 1000 V, disconnect terminal block



Spacer plate, same shape



6 (10) mm², 5 A, 1000 V, diode terminal block, same shape

Technical data

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**1000**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
30 / 6	30 / -	-	-
6	-	-	-
20 - 8	20-8	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTME 6 HV		**3035696**	50
PTME 6 HV BU		**3035695**	50

Accessories

D-DTME 6		**3034426**	10
SB-ME 2-8	30 A	**3034468**	10
SB-ME 3-8	30 A	**3032800**	10
SB-ME 4-8	30 A	**3034484**	10
FBS 2-8	41 A	**3030284**	10
FBS 5-8	41 A	**3030310**	10
FBS 6-8	41 A	**3032470**	10
FBS 10-8	41 A	**3030323**	10
S-ME 6		**3034439**	10
C-ME 6/2		**3034442**	10
C-ME 6/3		**3034390**	50
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
PAI-4-FIX VT		**3032761**	10
PAI-4-FIX BK		**3032774**	10
PAI-4-FIX BU		**3032729**	10
CARRIER 35-8		**3034387**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
		max. Ø [mm²]	AWG
		-	**-**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
-	-	-	-
-	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
-	-	-	-
-	-	-	-
-			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
DP-STMED 6	**3035690**	50

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**60**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
5[1])	**1000[2])**	**0.5 - 10**	**20 - 8**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000[2])	600	-	-
5[1]) / 6	10 / -	-	-
6	-	-	-
20 - 8	20-8	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTME 6-DIO/L-R HV		**3035697**	50
PTME 6-DIO/R-L HV		**3035698**	50
PTME 6-BE		**3035687**	50

Accessories

D-DTME 6		**3034426**	10
FBS 2-8	41 A	**3030284**	10
FBS 5-8	41 A	**3030310**	10
FBS 6-8	41 A	**3032470**	10
FBS 10-8	41 A	**3030323**	10
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
PAI-4-FIX VT		**3032761**	10
PAI-4-FIX BK		**3032774**	10
PAI-4-FIX BU		**3032729**	10
CARRIER 35-8		**3034387**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

PT push-in connection terminal blocks

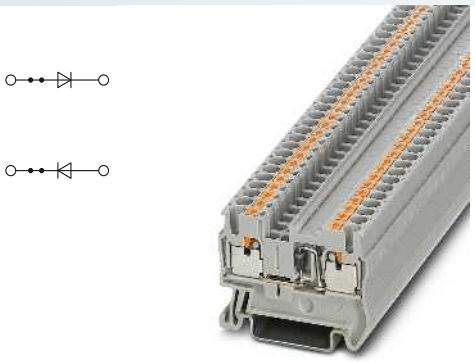
PT ...-DIO... diode terminal blocks

- Diode terminal blocks handle a large number of switching tasks
- Versions with diode conducting direction from left to right or vice versa
- Multi-conductor connection terminal blocks available

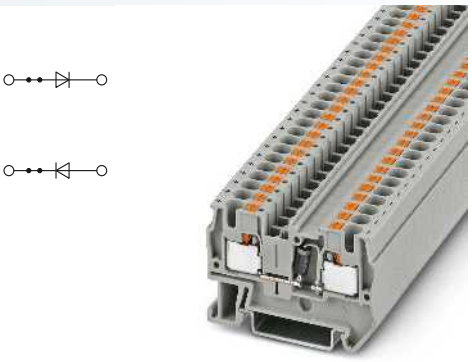
Notes:

[1]) The max. current is determined by the diode. Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.

[2]) The max. current is determined by the diode. Integrated: diode 1N 5408, reverse voltage: 1000 V, maximum continuous current 1.5 A.



2.5 (4) mm², 0.5 A, diode terminal block



4 (6) mm², 1.5 A, diode terminal block with 1N 5408

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**48.5**	**36.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		0.5[1])	**800**	**0.14 - 4**	**26 - 12**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	300	300	-
Nominal current / cross section	[A] / [mm²]	0.5[1]) / 1	20 / -	0.5 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	26 - 12	26-12	26-12	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
Direct plug-in connection cross sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with integrated diode, conducting from left to right		gray	**PT 2,5-DIO/L-R**		**3210224**	50
Terminal block, with integrated diode, conducting from right to left		gray	**PT 2,5-DIO/R-L**		**3210237**	50

Accessories

Cover, width 2.2 mm		gray	**D-ST 2,5**		**3030417**	50
Cover, 0.8 mm width		orange	**D-ST 2,5-0,8 OG**		**3030511**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray				
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-ST 4**		**3030721**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			
Center and lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			

Technical data

		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**56**	**36.5**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		1.5[2])	**800**	**0.2 - 6**	**24 - 10**
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	1.5[2]) / 1	1.5 / -	1.5 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 10	24-10	24-10	-
		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
Direct plug-in connection cross sections	[mm²]	0.5 - 6	-	0.5 - 4	0.5 - 4
		12			
		PA			
		V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 4-DIO 1N 5408/L-R		**3212112**	50
PT 4-DIO 1N 5408/R-L		**3212125**	50

Accessories

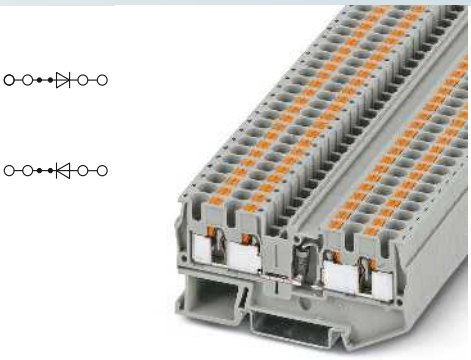
D-ST 4		**3030420**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST 4		**3030721**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)			
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)			



2.5 (4) mm², 0.5 A, diode terminal block, 3 connections



2.5 (4) mm², 0.5 A, diode terminal block, 4 connections



4 (6) mm², 1.5 A, diode terminal block with 1N 5408

Technical data

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
0.5[1])	**800**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	300	300	-
0.5[1]) / 1	20 / -	0.5 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-TWIN-DIO/L-R		**3210240**	50
PT 2,5-TWIN-DIO/R-L		**3210253**	50

Accessories

D-ST 2,5-TWIN		**3030488**	50
D-ST 2,5-TWIN-0,8 OG		**3030512**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST-TWIN		**3030789**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**72**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
0.5[1])	**800**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	300	300	-
0.5[1]) / 1	20 / -	0.5 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-QUATTRO-DIO/L-R		**3210266**	50
PT 2,5-QUATTRO-DIO/R-L		**3210279**	50

Accessories

D-ST 2,5-QUATTRO		**3030514**	50
D-ST 2,5-QUATTRO-0,8 OG		**3030513**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST QUATTRO		**3030815**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**77**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
1.5[2])	**800**	**0.2 - 6**	**24 - 10**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
1.5[2]) / 1	1.5 / -	1.5 / -	-
4	-	-	-
24 - 10	24-10	24-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 4-QUATTRO-DIO 1N 5408/L-R		**3211919**	50
PT 4-QUATTRO-DIO 1N 5408/R-L		**3211921**	50

Accessories

D-PT 4-QUATTRO		**3208979**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST QUATTRO		**3030815**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

PTTB 2,5... diode and double-level terminal blocks with LED

- Double-level diode and light indicator terminal blocks carry out a great variety of switching tasks
- Compact design with 5.2 mm pitch
- The following can be implemented in tight spaces: freewheeling diode circuits, lamp test circuits, reporting and fault reporting circuits
- Bridgeable on both levels to implement different switching tasks

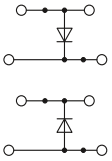
STP ... double marker carriers

- Optional, large labeling option using STP... double marker carriers

Notes:

[1]) The max. current is determined by the diode. Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.

[2]) The operating voltage is determined by the LED version.





2.5 (4) mm², 26 A, double-level diode terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**68**	**47.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		26[1])	**500**	**0.14 - 4 / 26 - 12**
Rated data		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	300	300 / -
Nominal current / cross section	[A] / [mm²]	20[1]) / 2.5	20 / -	0.5 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	26 - 12	26-12	26-12 / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5
Direct plug-in connection cross sections	[mm²]	0.34 - 4	-	0.34 - 2.5 / 0.34 - 2.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

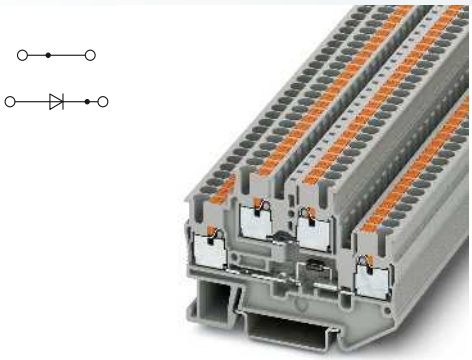
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with integrated 1N 4007 diode, conducting from top to bottom		gray	**PTTB 2,5-DIO/O-U**		**3210923**	50
Terminal block, with integrated 1N 4007 diode, conducting from bottom to top		gray	**PTTB 2,5-DIO/U-O**		**3210936**	50
Terminal block, with integrated 1N 4007 diode, conducting from bottom left to bottom right		gray				
Terminal block, with two integrated 1N 4007 diodes, conducting direction from top to bottom left and from bottom right to bottom left		gray				
Terminal block, with two integrated 1N 4007 diodes, conducting direction from top to bottom left and from top to bottom right		gray				
Terminal block, with LED for 12-30 V DC, 0.7-2.4 mA		gray				
for 30-60 V DC, 0.8-1.8 mA		gray				
for 110-250 V AC/DC, 0.1-0.5 mA		gray				
Terminal block, for soldering in a component		gray				
Terminal block, with built-in resistor between upper and lower levels, 499 ohms		gray				

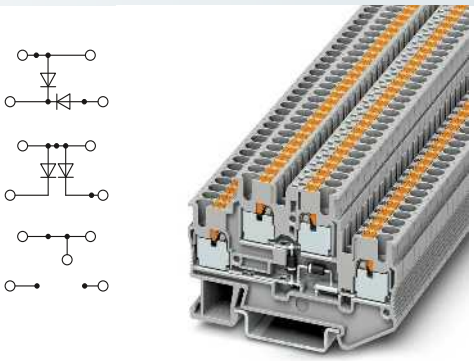
Accessories

Cover, width 2.2 mm		gray	**D-PTTB 2,5**		**3211634**	50
Plug-in bridge						
	2	red	**FBS 2-5**	20 A	**3030161**	50
	3	red	**FBS 3-5**	20 A	**3030174**	50
	4	red	**FBS 4-5**	20 A	**3030187**	50
	5	red	**FBS 5-5**	20 A	**3030190**	50
	10	red	**FBS 10-5**	20 A	**3030213**	10
	20	red	**FBS 20-5**	20 A	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-STTB 4**		**3030747**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Center and lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			

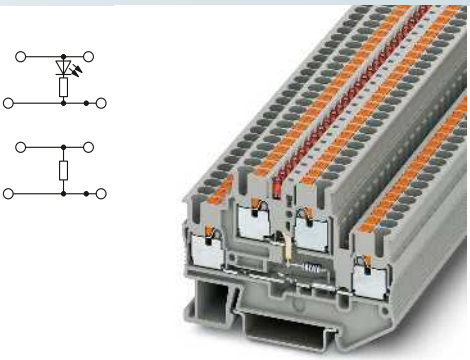




2.5 (4) mm², 26 A, double-level diode terminal block



2.5 (4) mm², 26 A, double-level diode terminal block



2.5 (4) mm², 24 A, double-level terminal block with light indicator or resistor

Technical data

Width	Length	Height NS 35/7,5	
5.2	**68**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26[1])	**500**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
20[1]) / 2.5	20 / -	0.5 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTTB 2,5-DIO/UL-UR		**3211427**	50

Accessories

D-PTTB 2,5		**3211634**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**68**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26[1])	**250**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	300	300	-
20[1]) / 2.5	20 / -	0.5 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTTB 2,5-2DIO/O-UL/UR-UL		**3211430**	50
PTTB 2,5-2DIO/O-UL/O-UR		**3211443**	50
PTTB 2,5-2BE		**3211480**	50

Accessories

D-PTTB 2,5		**3211634**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**68**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**500[2])**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500[2])	300	30	-
20 / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	24-12	26-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTTB 2,5-LA 24 RD		**3211456**	50
PTTB 2,5-LA 60 RD		**3211469**	50
PTTB 2,5-LA 230		**3211472**	50
PTTB 2,5-R499/O-U		**3210925**	50

Accessories

D-PTTB 2,5		**3211634**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

PTU ... hybrid terminal blocks with single-sided screw connection

– The advantages of the different connection methods are as follows:
– The push-in TWIN connection is used inside the control cabinet and the universal screw connection is used on the end customer side
– Compact design
– Can be consistently bridged to standard terminal blocks in the PT push-in terminal block series
– Operational large and continuous labeling
– Ground terminal blocks of the same shape meet all the requirements of standard IEC 60947-7-2

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

Notes:
For current carrying capacity of DIN rails, see page 716.
For UDB 2X... trunk line branch terminals, see page 98.
1) The total current of all connected conductors must not exceed the max. load current.



2.5 (4) mm², 28 A, feed-through terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**65.3**	**42.8**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		28[1])	**800**	**0.14 - 4** / **28 - 12**
Rated data, screw connection		IEC 60947-7-1 IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800	-	- / -
Nominal current / cross section	[A] / [mm²]	24[1]) / 2.5	-	- / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	28 - 12	-	- / -
Connection capacity of screw connection		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 2.5	0.2 - 2.5	0.14 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 1
Rated data of push-in connection		IEC 60947-7-1 IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800	-	- / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	-	- / -
Cross section range	AWG	26 - 12	-	- / -
Connection capacity of push-in connection		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two conductors with a TWIN ferrule	[mm²]			/ 0.5
Direct plug-in connection cross sections	[mm²]	0.34 - 4	-	2.5 / 2.5
General data				
Stripping length, screw connection	[mm]	9		
Stripping length, push-in connection	[mm]	10		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

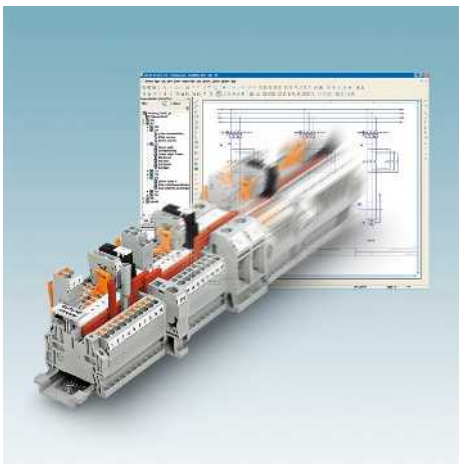
Ordering data

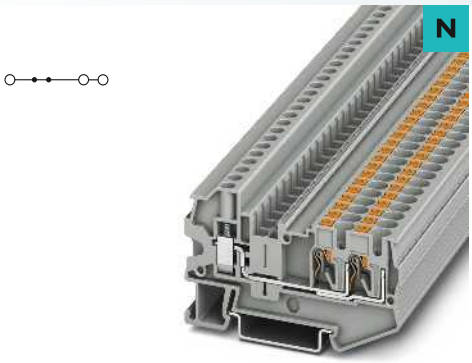
Description		Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PTU 2,5-TWIN**		**3209515**	50
		blue	**PTU 2,5-TWIN BU**		**3209516**	50
Ground terminal block, for mounting on NS 35...		green-yellow				

Accessories

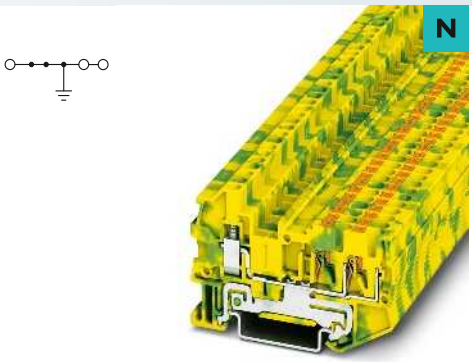
Cover, width 2.2 mm		gray	**D-STU 2,5-TWIN**		**3033045**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-ST 4**		**3030721**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**

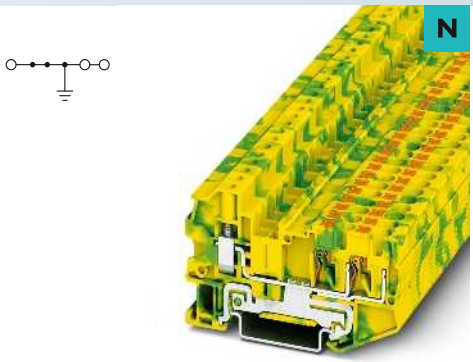




4 (6) mm², 38 A, feed-through terminal block



2.5 (4) mm², ground terminal block



4 (6) mm², ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**69.3**	**42.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
38[1])	**800**	**0.14 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	-	-	-
32[1]) / 4	-	-	-
4	-	-	-
28 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	-	-	-
32 / 4	-	-	-
24 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	4	4
10			
12			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTU 4-TWIN		**3211859**	50
PTU 4-TWIN BU		**3211860**	50

Accessories

D-PTU 4-TWIN		**3211863**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST 4		**3030721**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**65.3**	**42.8**	
		max. Ø [mm²]	AWG
		0.14 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
2.5	-	-	-
28 - 12	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
0.14 - 2.5	0.2 - 2.5	0.14 - 1.5	-
			0.5 - 1
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	-	-	-
-	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	2.5	2.5
9			
10			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTU 2,5-TWIN-PE	**3209517**	50

Accessories

D-STU 2,5-TWIN	**3033045**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-ST 4	**3030721**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**69.3**	**42.8**	
		max. Ø [mm²]	AWG
		0.14 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
4	-	-	-
28 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
24 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	4	4
10			
12			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTU 4-TWIN-PE	**3211862**	50

Accessories

D-PTU 4-TWIN	**3211863**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-ST 4	**3030721**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

PTU ... hybrid terminal block bases for distribution of potential with single-sided screw connection



The terminal block bases are ideal for use in building installation and mechanical engineering applications, thanks to the following features:

– Quick and easy potential distribution with 14 push-in terminal points
– Compact design
– 25 mm² screw connection
– Large labeling option

The branch terminals from the UDB ... series are suitable for the simple voltage pick-off of main supply cables up to 35 mm², see page 98.



Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.

1 ... 12



16 (25) mm², 80 A, terminal block base, 15 connections

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**17.5**	**89.5**	**36**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		80[1])	**690**	**1.5 - 25**	**16 - 4**
Rated data, external screw connection		IEC 60998-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	690	-	-	-
Nominal current / cross section	[A] / [mm²]	76[1]) / 16	-	-	-
Rated cross section	[mm²]	16	-	-	-
Cross section range	AWG	16 - 4	-	-	-
Connection capacity of screw connection		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	1.5 - 25	2.5 - 16	1.5 - 16	1.5 - 16
Two conductors (of the same type)	[mm²]	1.5 - 10	1.5 - 6	1.5 - 6	-
Two stranded conductors with a TWIN ferrule	[mm²]				1.5 - 6
Rated data, 2 internal push-in connections		IEC 60998-2-2 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	690	-	-	-
Nominal current / cross section	[A] / [mm²]	20[1]) / 2.5	-	-	-
Cross section range	AWG	14 - 12	-	-	-
Connection capacity, 2 internal push-in connections		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	1.5 - 4	-	1 - 2.5	1 - 2.5
Two conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
Direct plug-in connection cross sections	[mm²]	1.5 - 4	-	1	1
Rated data, 12 external Push-in connections		IEC 60998-2-2 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	690	-	-	-
Nominal current / cross section	[A] / [mm²]	16[1]) / 1.5	-	-	-
Cross section range	AWG	12 - 14	-	-	-
Connection capacity, 12 external Push-in connections		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	1 - 2.5	-	0.75 - 1.5	0.75 - 1.5
Two conductors with a TWIN ferrule	[mm²]				0.25 - 0.75
Direct plug-in connection cross sections	[mm²]	1 - 2.5	-	1.5	1.5
General data					
Stripping length, screw connection	[mm]	12			
Stripping length, push-in connection	[mm]	12			
Screw thread		M5			
Tightening torque	[Nm]	2 - 3			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...	gray blue green	**PTU 16/14X2,5 GY**	**3214016**	10

Accessories

Three-compartment marker carrier, can be snapped into ST 2,5-3... and PT 2,5-3... three-level terminal blocks, can be labeled with UC-TMF 5 and ZBF 5 or ...TM 5 and ZB 5	gray	**STP 5-3**	**0810562**	100

1 ... 12



16 (25) mm², 80 A, terminal block base, 15 connections

1 ... 12



16 (25) mm², 80 A, terminal block base, 15 connections

Technical data

Width	Length	Height NS 35/7,5	
17.5	**89.5**	**36**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
80[1])	**690**	**1.5 - 25**	**16 - 4**
IEC 60998-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
690	-	-	-
76[1]) / 16	-	-	-
16	-	-	-
16 - 4	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
1.5 - 25	2.5 - 16	1.5 - 16	1.5 - 16
1.5 - 10	1.5 - 6	1.5 - 6	- 1.5 - 6
IEC 60998-2-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
690	-	-	-
20[1]) / 2.5	-	-	-
14 - 12	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
1.5 - 4	-	1 - 2.5	1 - 2.5 0.5 - 1.5
1.5 - 4	-	1	1
IEC 60998-2-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
690	-	-	-
16[1]) / 1.5	-	-	-
12 - 14	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
1 - 2.5	-	0.75 - 1.5	0.75 - 1.5 0.25 - 0.75
1 - 2.5	-	1.5	1.5
12			
12			
M5			
2 - 3			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTU 16/14X2,5 BU	**3214014**	10

Accessories

STP 5-3	**0810562**	100

Technical data

Width	Length	Height NS 35/7,5	
17.5	**89.5**	**36**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
80[1])	**690**	**1.5 - 25**	**16 - 4**
IEC 60998-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
690	-	-	-
76[1]) / 16	-	-	-
16	-	-	-
16 - 4	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
1.5 - 25	2.5 - 16	1.5 - 16	1.5 - 16
1.5 - 10	1.5 - 6	1.5 - 6	- 1.5 - 6
IEC 60998-2-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
690	-	-	-
20[1]) / 2.5	-	-	-
14 - 12	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
1.5 - 4	-	1 - 2.5	1 - 2.5 0.5 - 1.5
1.5 - 4	-	1	1
IEC 60998-2-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
690	-	-	-
16[1]) / 1.5	-	-	-
12 - 14	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
1 - 2.5	-	0.75 - 1.5	0.75 - 1.5 0.25 - 0.75
1 - 2.5	-	1.5	1.5
12			
12			
M5			
2 - 3			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTU 16/14X2,5 GN	**3214015**	10

Accessories

STP 5-3	**0810562**	100

PTS ..., PTS ...-TWIN feed-through and multi-conductor desk-design terminal blocks



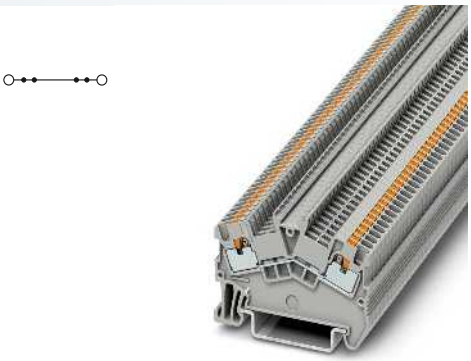
The angled push-in terminal blocks in desk design were developed for wiring systems where space is saved by means of underfloor wiring. They are characterized by:
– Compact design also with 3.5 mm pitch
– Uniform, touch-proof plug-in zone
– For nominal currents up to 30 A
– For nominal voltages up to 800 V
– Angled conductor entry for use in flat terminal boxes
– Two and three-conductor terminal blocks of the same shape
– Four function shafts enable all potential distribution tasks to be carried out in a convenient manner

Terminal strip service

We produce fully pre-assembled terminal strips for fitting straight into the control cabinet or switch system. This simplifies installation, saves time, and cuts costs.

Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.



1.5 (1.5) mm², 17.5 A, feed-through terminal block, 2 connections

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**3.5**	**50.7**	**38.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		17.5	**500**	**0.14 - 1.5** / **26 - 14**
Rated data		IEC 60947-7-1 / IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	600	- / -
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	- / -
Rated cross section	[mm²]	1.5	-	- / -
Cross section range	AWG	26 - 14	26-14	- / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 / 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PTS 1,5/S**		**3214547**	50
		blue	**PTS 1,5/S BU**		**3214550**	50

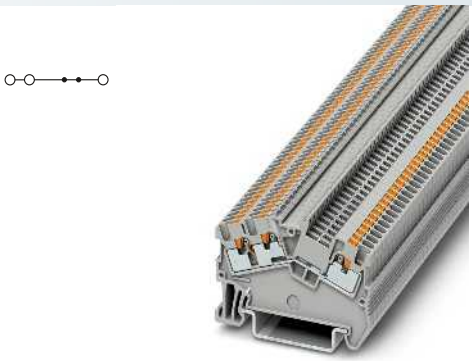
Accessories

Cover, width 2.2 mm		gray	**D-PTS 1,5/S**		**3214576**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white				
0.25 - 0.5 mm²		gray				
0.75 - 1 mm²		black				
Plug-in bridge						
	2	red	**FBS 2-3,5**	17.5 A	**3213014**	50
	3	red	**FBS 3-3,5**	17.5 A	**3213027**	50
	4	red	**FBS 4-3,5**	17.5 A	**3213030**	50
	5	red	**FBS 5-3,5**	17.5 A	**3213043**	50
	10	red	**FBS 10-3,5**	17.5 A	**3213056**	50
	20	red	**FBS 20-3,5**	17.5 A	**3213069**	50
Partition plate, 2 mm width		gray	**ATP-ST 4**		**3030721**	50
Test adapter, 4-mm test socket hole		gray				
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red				
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10

Center groove labeling	**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**
Center groove labeling	**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**



2.5 (4) mm², 30 A, feed-through terminal block, 2 connections



1.5 (1.5) mm², 17.5 A, feed-through terminal block, 3 connections



2.5 (4) mm², 28 A, feed-through terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
5.2	**49**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**800**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
24 / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTS 2,5		**3211799**	50
PTS 2,5 BU		**3211812**	50

Accessories

D-STS 2,5		**3031762**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-QTC		**3206209**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
3.5	**50.7**	**38.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
17.5[1])	**500**	**0.14 - 1.5**	**26 - 14**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	-	-
17.5[1]) / 1.5	15 / -	-	-
1.5	-	-	-
26 - 14	26-14	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTS 1,5/S-TWIN		**3214589**	50
PTS 1,5/S-TWIN BU		**3214592**	50

Accessories

D-PTS 1,5/S		**3214576**	50
FBS 2-3,5	17.5 A	**3213014**	50
FBS 3-3,5	17.5 A	**3213027**	50
FBS 4-3,5	17.5 A	**3213030**	50
FBS 5-3,5	17.5 A	**3213043**	50
FBS 10-3,5	17.5 A	**3213056**	50
FBS 20-3,5	17.5 A	**3213069**	50
ATP-ST 4		**3030721**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
SZF 0-0,4X2,5		**1204504**	10

UCT-TM 3,5 or ZB 3,5 (see Catalog 5)
UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**49**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
28[1])	**800**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
24[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTS 2,5-TWIN		**3211896**	50
PTS 2,5-TWIN BU		**3211906**	50

Accessories

D-STS 2,5		**3031762**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-QTC		**3206209**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

PTS ..., PTTBS ... multi-conductor and double-level desk-design terminal blocks



The angled push-in terminal blocks in desk design were developed for wiring systems where space is saved by means of underfloor wiring. They are characterized by:

PTS ...

– Angled conductor entry for use in flat terminal boxes
– Large space saving when used in concealed wiring systems
– 2, 3, and 4-wire terminal blocks of the same shape
– Ground terminal blocks of the same shape are available

PTTBS ...

– Amount of space required is reduced by 50% compared to single-level terminal blocks
– Two bridge shafts on both levels for all potential distribution tasks
– Two large-surface labeling options
– Potential bridging of levels using the **FBS...-PV** vertical potential bridge, see figure below



Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.



1.5 (1.5) mm², 17.5 A, feed-through terminal block, 4 connections

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		3.5	**50.7**	**38.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		17.5[1])	**500**	**0.14 - 1.5 / 26 - 14**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	600	- / -
Nominal current / cross section	[A] / [mm²]	17.5[1]) / 1.5	15 / -	- / -
Rated cross section	[mm²]	1.5	-	- / -
Cross section range	AWG	26 - 14	26-14	- / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 / 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

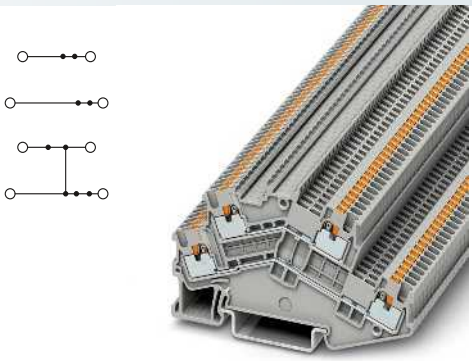
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PTS 1,5/S-QUATTRO**		**3214615**	50
		blue	**PTS 1,5/S-QUATTRO BU**		**3214631**	50
Terminal block, with equipotential bonder, for mounting on NS 35...[1])		gray				

Accessories

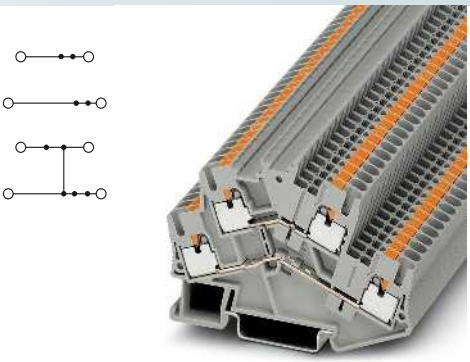
Cover, width 2.2 mm		gray	**D-PTS 1,5/S**	**3214576**	50
Insulation stop sleeve, cross section range:					
0.08 - 0.2 mm²		white			
0.25 - 0.5 mm²		gray			
0.75 - 1 mm²		black			
Plug-in bridge					
	2	red			
	3	red			
	4	red			
	5	red			
	10	red			
	20	red			
Vertical potential bridge, to connect the upper and lower level		black			
Partition plate, 2 mm width		gray	**ATP-ST 4**	**3030721**	50
Test adapter, 4-mm test socket hole		gray			
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red			
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10
Center groove labeling			**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**			
Center groove labeling			**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**			



2.5 (4) mm², 28 A, feed-through terminal block, 4 connections



1.5 (1.5) mm², 16 A, double-level terminal block



2.5 (4) mm², 24 A, double-level terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	**49**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
28[1])	**800**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
24[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTS 2,5-QUATTRO	**3211993**	50
PTS 2,5-QUATTRO BU	**3212002**	50

Accessories

D-STS 2,5	**3031762**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
ATP-QTC	**3206209**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
3.5	**78.8**	**48.2**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
16	**500**	**0.14 - 1.5**	**26 - 14**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	-	-
16 / 1.5	15 / -	-	-
1.5	-	-	-
26 - 14	26-14	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTTBS 1,5/S		**3214657**	50
PTTBS 1,5/S BU		**3214660**	50
PTTBS 1,5/S-PV		**3214686**	50
FBS 2-3,5	17.5 A	**3213014**	50
FBS 3-3,5	17.5 A	**3213027**	50
FBS 4-3,5	17.5 A	**3213030**	50
FBS 5-3,5	17.5 A	**3213043**	50
FBS 10-3,5	17.5 A	**3213056**	50
FBS 20-3,5	17.5 A	**3213069**	50
FBS 1,5/S-PV		**3216263**	10
ATP-STTB 4		**3030747**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 0-0,4X2,5		**1204504**	10

UCT-TM 3,5 or ZB 3,5 (see Catalog 5)
UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**78**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
22 / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTTBS 2,5		**3209604**	50
PTTBS 2,5 BU		**3209617**	50
PTTBS 2,5-PV		**3210211**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
FBS-PV		**3032185**	50
ATP-STTB 4		**3030747**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

Accessories

D-STTBS 2,5	**3038503**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50

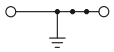
UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

PTS 2,5 ...-PE, PTS 2,5-TWIN-PE desk-design ground terminal blocks

- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947−7−2 are met

Notes:

For current carrying capacity of DIN rails, see page 716.





1.5 (1.5) mm², ground terminal block, 2 connections

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**3.5**	**50.7**	**38.5**
Max. electrical data				max. Ø [mm²] / AWG
				0.14 - 1.5 / **26 - 14**
Rated data		IEC 60947-7-2 IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	1.5	-	- / -
Cross section range	AWG	26 - 14	26-14	- / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 / 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

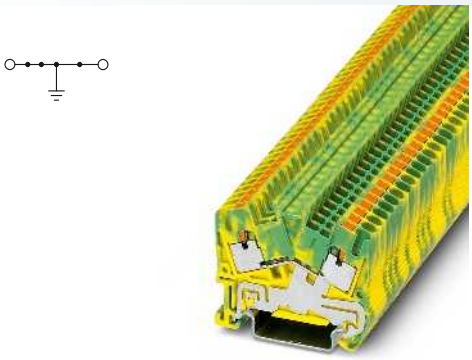
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**PTS 1,5/S-PE**	**3214563**	50

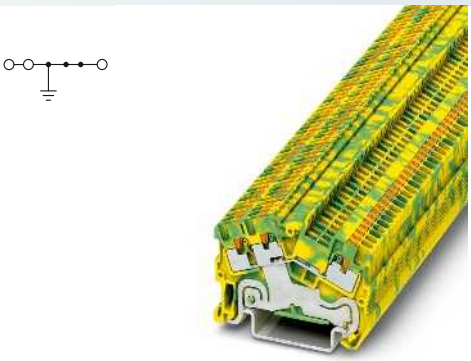
Accessories

Cover, width 2.2 mm		gray	**D-PTS 1,5/S**	**3214576**	50
Insulation stop sleeve, cross section range:					
0.08 - 0.2 mm²		white			
0.25 - 0.5 mm²		gray			
0.75 - 1 mm²		black			
Plug-in bridge					
	2	red	**FBS 2-3,5**	**3213014**	50
	3	red	**FBS 3-3,5**	**3213027**	50
	4	red	**FBS 4-3,5**	**3213030**	50
	5	red	**FBS 5-3,5**	**3213043**	50
	10	red	**FBS 10-3,5**	**3213056**	50
	20	red	**FBS 20-3,5**	**3213069**	50
Partition plate, 2 mm width		gray	**ATP-ST 4**	**3030721**	50
Test adapter, 4-mm test socket hole		gray			
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red			
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10

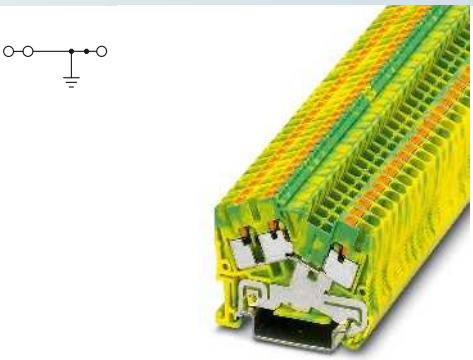
Center groove labeling	**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**
Center groove labeling	**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**



2.5 (4) mm², ground terminal block, 2 connections



1.5 (1.5) mm², ground terminal block, 3 connections



2.5 (4) mm², ground terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
5.2	**49**	**43**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTS 2,5-PE	**3211867**	50

Accessories

D-STS 2,5	**3031762**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-QTC	**3206209**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
3.5	**50.7**	**38.5**	
		max. Ø [mm²]	AWG
		0.14 - 1.5	**26 - 14**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
1.5	-	-	-
26 - 14	26-14	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTS 1,5/S-TWIN-PE	**3214602**	50

Accessories

D-PTS 1,5/S	**3214576**	50
FBS 2-3,5	**3213014**	50
FBS 3-3,5	**3213027**	50
FBS 4-3,5	**3213030**	50
FBS 5-3,5	**3213043**	50
FBS 10-3,5	**3213056**	50
FBS 20-3,5	**3213069**	50
ATP-ST 4	**3030721**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
SZF 0-0,4X2,5	**1204504**	10

UCT-TM 3,5 or ZB 3,5 (see Catalog 5)
UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**49**	**43**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTS 2,5-TWIN-PE	**3211935**	50

Accessories

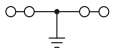
D-STS 2,5	**3031762**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-QTC	**3206209**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

PTS ...-QUATTRO-PE, PTTBS ...-PE multi-conductor and double-level desk-design ground terminal blocks

– Same shape and pitch as the feed-through terminal blocks
– Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
– All the requirements of standard IEC 60947-7-2 are met

Notes:
For current carrying capacity of DIN rails, see page 716.





1.5 (1.5) mm², ground terminal block, 4 connections

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**3.5**	**50.7**	**38.5**
Max. electrical data				max. Ø [mm²] / AWG
				0.14 - 1.5 / **26 - 14**
Rated data		IEC 60947-7-2 IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	1.5	-	- / -
Cross section range	AWG	26 - 14	26-14	- / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 / 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

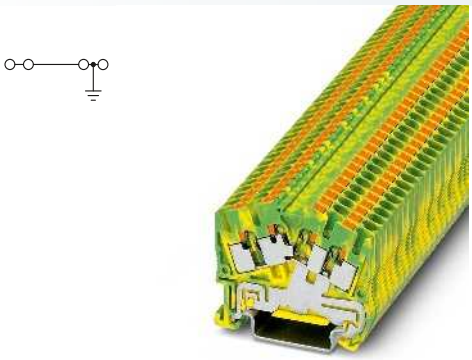
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**PTS 1,5/S-QUATTRO-PE**	**3214644**	50

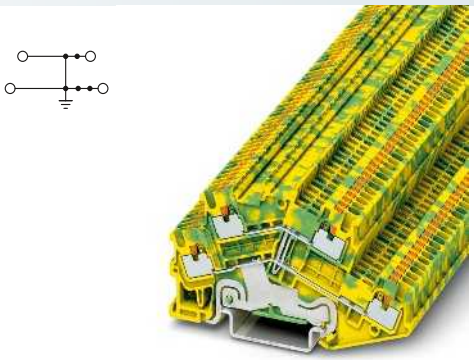
Accessories

Cover, width 2.2 mm	gray	**D-PTS 1,5/S**	**3214576** 50
Insulation stop sleeve, cross section range:			
0.08 - 0.2 mm²	white		
0.25 - 0.5 mm²	gray		
0.75 - 1 mm²	black		
Plug-in bridge			
2	red		
3	red		
4	red		
5	red		
10	red		
20	red		
Partition plate, 2 mm width	gray	**ATP-ST 4**	**3030721** 50
Test adapter, 4-mm test socket hole	gray		
Test plug metal part, 2.3 mm Ø		**MPS-MT**	**0201744** 10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676** 10
Modular test plug, for the individual assembly of test plug strips	red		
Screwdriver		**SZF 0-0,4X2,5**	**1204504** 10

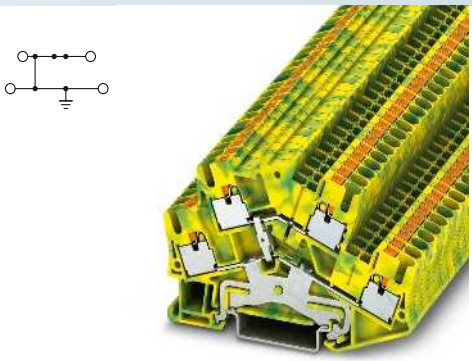
Center groove labeling	**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**
Center groove labeling	**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**



2.5 (4) mm², ground terminal block, 4 connections



1.5 (1.5) mm², double-level ground terminal block



2.5 (4) mm², double-level ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	**49**	**43**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTS 2,5-QUATTRO-PE	**3212011**	50

Accessories

D-STS 2,5	**3031762**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
ATP-QTC	**3206209**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
3.5	**78.8**	**48.2**	
		max. Ø [mm²]	AWG
		0.14 - 1.5	**26 - 14**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
1.5	-	-	-
26 - 14	26-14	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTTBS 1,5/S-PE	**3214673**	50

Accessories

D-PTTBS 1,5/S	**3214699**	50
FBS 2-3,5	**3213014**	50
FBS 3-3,5	**3213027**	50
FBS 4-3,5	**3213030**	50
FBS 5-3,5	**3213043**	50
FBS 10-3,5	**3213056**	50
FBS 20-3,5	**3213069**	50
ATP-STTB 4	**3030747**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZF 0-0,4X2,5	**1204504**	10

UCT-TM 3,5 or ZB 3,5 (see Catalog 5)
UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**78**	**55**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

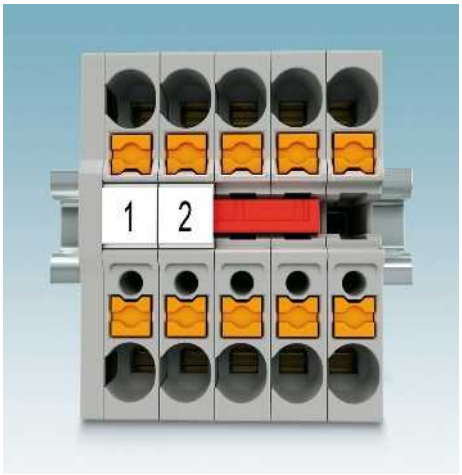
Type	Order No.	Pcs. / Pkt.
PTTBS 2,5-PE	**3209620**	50

Accessories

D-STTBS 2,5	**3038503**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-STTB 4	**3030747**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10

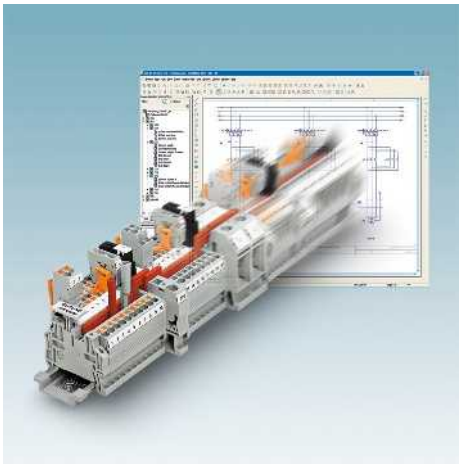
UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

MPT ... mini feed-through and ground terminal blocks, for mounting on NS 15



- Save space and can be used in smaller control boxes
- Ideal for connecting smaller motors and wiring in the lower power spectrum
- Simple bridging and potential distribution using the patented plug-in bridges of the CLIPLINE complete system
- Ground terminal block of the same shape makes contact when simply snapped on and meets the high requirements of IEC 60947−7−2

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



Notes:

For current carrying capacity of DIN rails, see page 716.

A plug-in version is described in the “COMBI plug-in connection solutions” section; see page 348.



1.5 (1.5) mm², 17.5 A, mini feed-through terminal block

Technical data

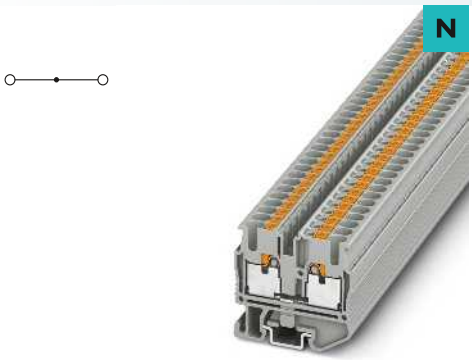
Dimensions				
	[mm]	Width	Length	Height NS 15
		3.5	**33.55**	**28.1**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG
		17.5	**500**	**0.14 - 1.5** **26 - 14**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA IEC/ EN 60079-7
Rated voltage	[V]	500	-	- -
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	- / -	- -
Rated cross section	[mm²]	1.5	-	- -
Cross section range	AWG	26 - 14	-	- -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

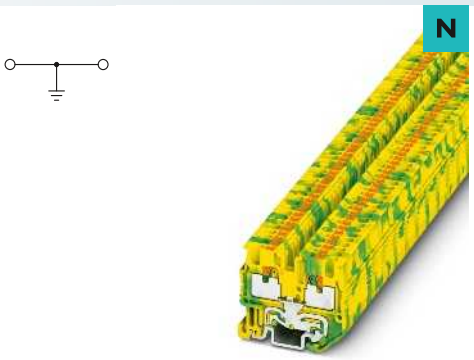
Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 15		gray	**MPT 1,5/S**	**3248100**	50
		blue	**MPT 1,5/S BU**	**3248101**	50
Ground terminal block, for mounting on NS 15		green-yellow			

Accessories

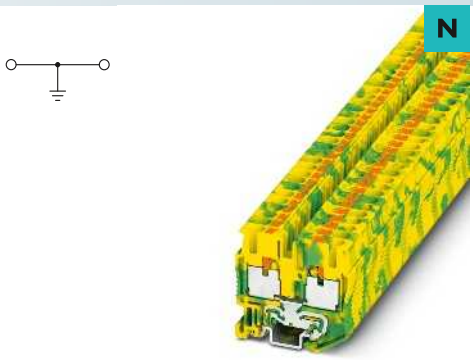
Cover, width 2.2 mm		gray	**D-MPT 1,5/S**	**3248120**	50
Insulation stop sleeve, cross section range:					
0.08 - 0.2 mm²		white			
0.25 - 0.5 mm²		gray			
0.75 - 1 mm²		black			
Plug-in bridge					
	2	red	**FBS 2-3,5**	**3213014**	50
	3	red	**FBS 3-3,5**	**3213027**	50
	4	red	**FBS 4-3,5**	**3213030**	50
	5	red	**FBS 5-3,5**	**3213043**	50
	10	red	**FBS 10-3,5**	**3213056**	50
	20	red	**FBS 20-3,5**	**3213069**	50
Partition plate, 2 mm width		gray	**ATP-ST 4**	**3030721**	50
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red			
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10
Center and lateral groove labeling			**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**		



2.5 (4) mm², 30 A, mini feed-through terminal block



1.5 (1.5) mm², mini ground terminal block



2.5 (4) mm², mini ground terminal block

Technical data

Width	Length	Height NS 15	
5.2	**36**	**32.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	-	-	-
24 / 2.5	- / -	-	-
2.5	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
MPT 2,5	**3248125**	50
MPT 2,5 BU	**3248126**	50

Accessories

D-MPT 2,5	**3248140**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-ST 4	**3030721**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 15	
3.5	**33.55**	**28.1**	
		max. Ø [mm²]	AWG
		0.14 - 1.5	**26 - 14**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
1.5	-	-	-
26 - 14	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
MPT 1,5/S-PE	**3248110**	50

Accessories

D-MPT 1,5/S	**3248120**	50
ATP-ST 4	**3030721**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
SZF 0-0,4X2,5	**1204504**	10

UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)

Technical data

Width	Length	Height NS 15	
5.2	**36**	**32.3**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

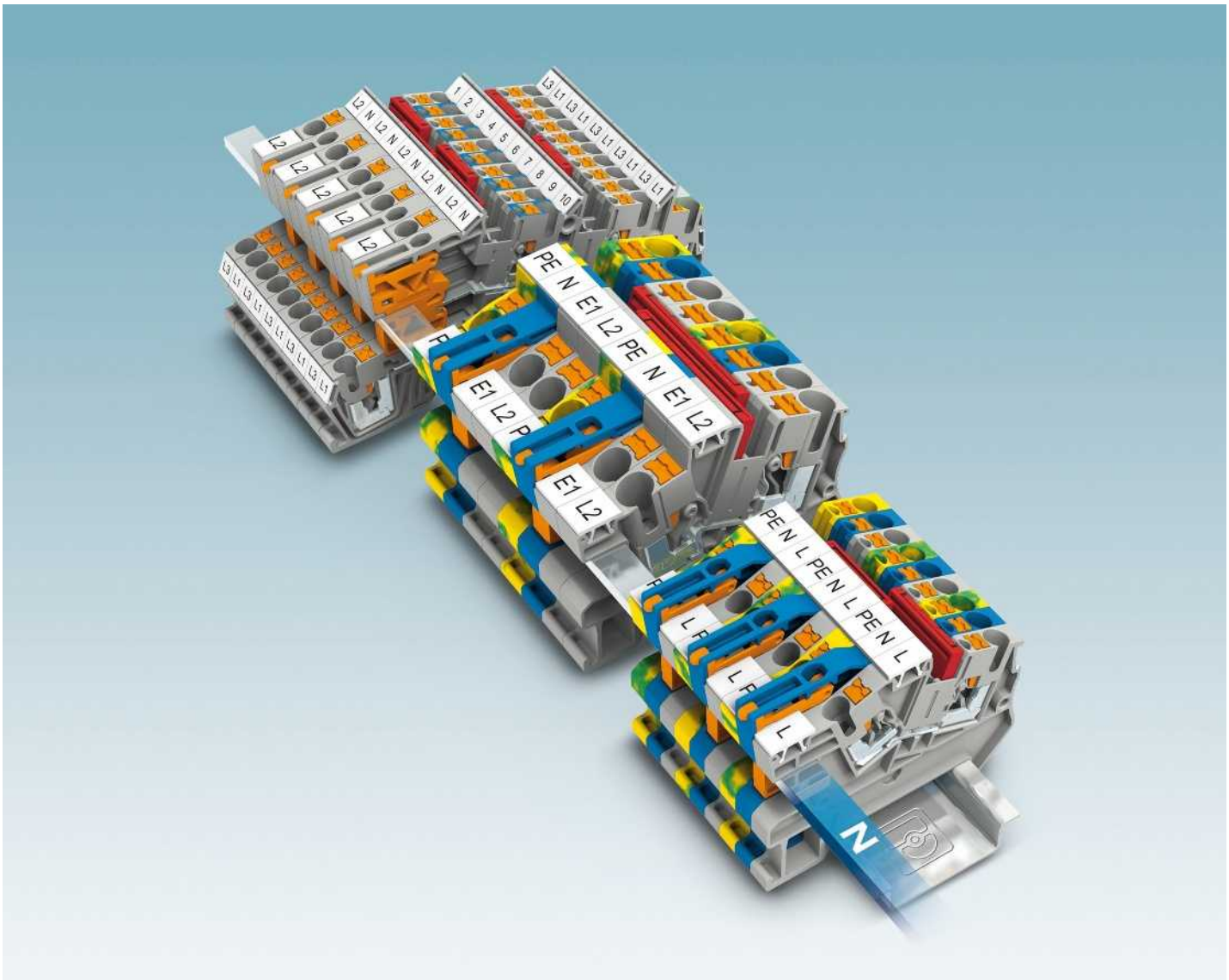
Ordering data

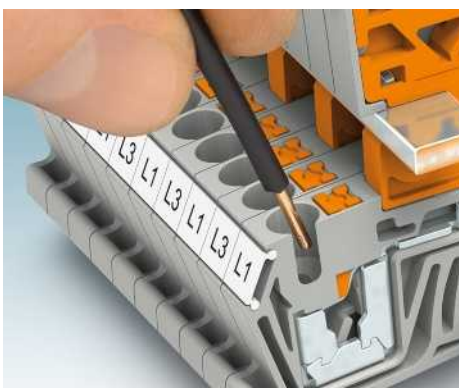
Type	Order No.	Pcs. / Pkt.
MPT 2,5-PE	**3248130**	50

Accessories

D-MPT 2,5	**3248140**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
ATP-ST 4	**3030721**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10

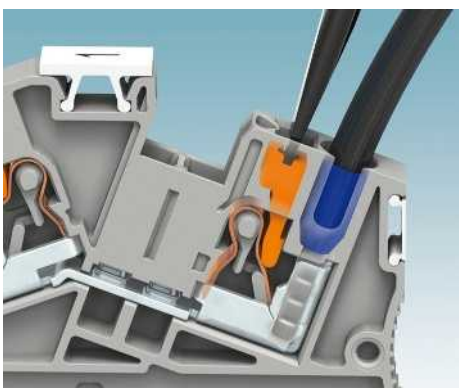
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)





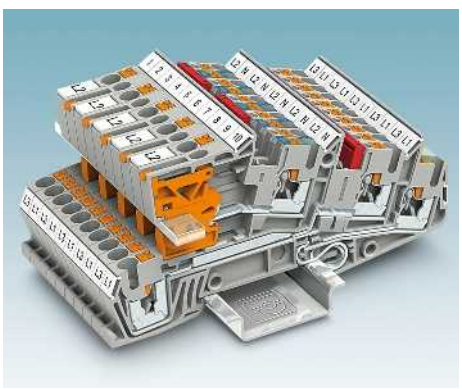
Strip, insert, and you're done!

Given the limited space for wiring with this installation method, simple handling is a key benefit. The up to 50 percent reduction in insertion force offered by the new push-in connection method supports simple and direct insertion of solid and stranded conductors featuring ferrules with a cross section of 0.34 mm² or higher.



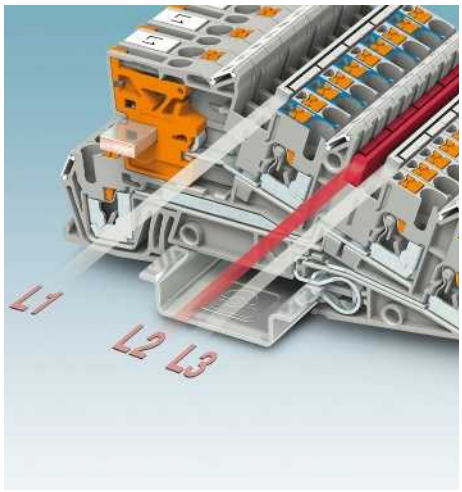
Fully-insulated actuation

The integrated latch allows you to release connections with any type of tool – easily and without direct contact with live parts.



Clear labeling

Large and clear marking is essential for reliable and quick installation. Every terminal point in the new push-in installation terminal blocks can be clearly labeled and clearly seen in every terminal block installation position in the installation distributor.



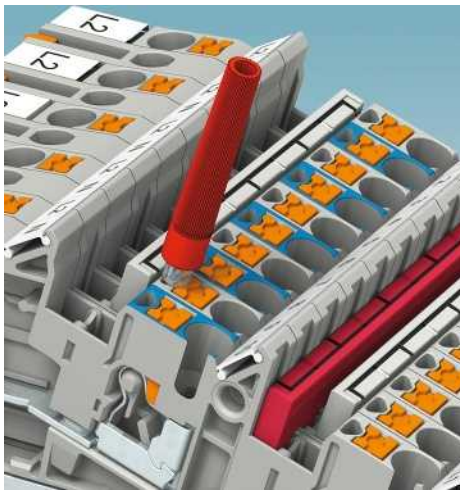
Double function shaft

Two function shafts are provided per level to allow fast and individual potential distribution. Cross connections can be reproduced any number of times with the standard bridges from the CLIPLINE complete system, e.g., three-phase systems with L1/L2/L3 potentials within a terminal strip.



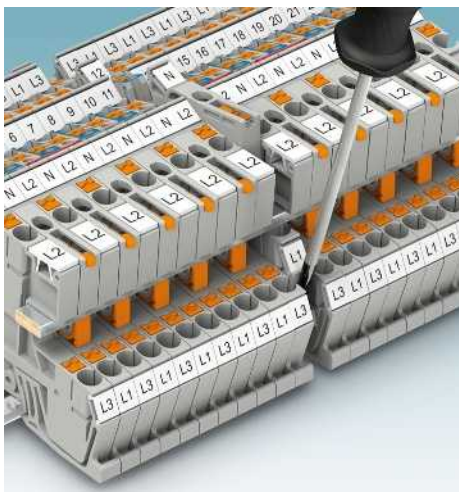
Fast and safe neutral conductor disconnection

All push-in neutral conductor disconnect terminal blocks are fitted with a robust, screwless disconnect slide. When this is levered over with a standard screwdriver, the contact fork slides onto the busbar. Engaging the slide in the end positions provides additional protection against accidental actuation. The disconnect slide is clearly visible in the respective location.



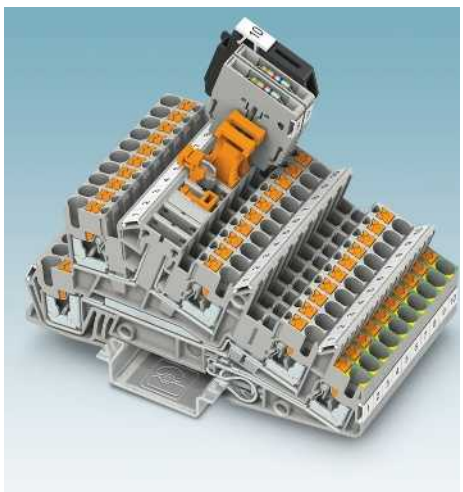
Testing facility on each terminal point

The CLIPLINE complete system features an extensive range of test accessories. All test plugs and adapters make contact in the function shaft. Furthermore, each terminal point has a 2.3 mm test contact. All measurement and test work can therefore be undertaken with ease and at speed with function shafts fitted with bridges.



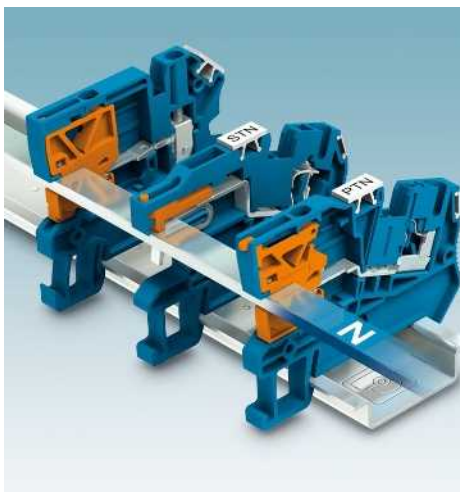
Easy to install

The push-in installation terminal blocks can be easily switched from the group, even once fitted, without the PEN conductor busbar having to be removed.



Safe individual circuit disconnection

Three-level terminal blocks with function blocks are available for special switching tasks. Disconnect element, component or fuse plugs can be easily and flexibly integrated in the standardized, universal disconnect zone. The terminal block versions with disconnect knife for individual circuit disconnection meet the safety requirements of DIN VDE 0100−718.



Any combination

All installation terminal blocks with the various STI ... spring-cage connection and UTI ... and PIK ... screw connections from Phoenix Contact can be combined in any way. The neutral busbar is on one level in all installation terminal blocks.

PTI ... installation terminal blocks

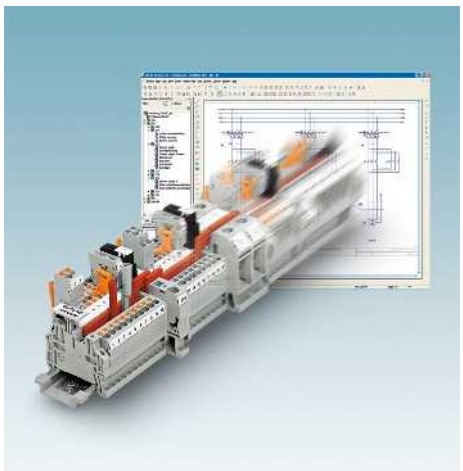
The push-in installation terminal blocks are characterized by the system features of the CLIPLINE complete system and the following features:

– The new push-in connection method supports simple and direct insertion of solid and stranded conductors featuring ferrules with a cross section of 0.34 mm² or higher
– Compact design tailored to installation distributor
– Every terminal point can be clearly labeled and clearly seen in every terminal block installation position
– As well the testing facility in the function shaft, each terminal point has a test contact
– Compatible with all Phoenix Contact installation terminal blocks

Terminal strip service

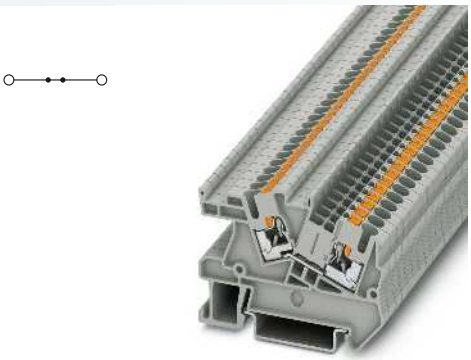
We manufacture fully pre-assembled terminal strips for fitting straight in the installation distributor. This simplifies installation, saves time, and cuts costs.

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



Notes:

Assembly instructions:
For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.



4 (4) mm², 24 A, feed-through terminal block

Technical data

Dimensions					
		[mm]	Width	Length	Height NS 35/7,5
			5.2	**59.5**	**44**
Max. electrical data			$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
			24	**800**	**0.14 - 4** / **26 - 12**
Rated data			IEC 60947-7-1		
			IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage		[V]	800	600	- / -
Nominal current / cross section		[A] / [mm²]	24 / 4	20 / -	- / -
Rated cross section		[mm²]	4	-	- / -
Cross section range		AWG	26 - 12	26-12	- / -
Connection capacity			solid	stranded	Ferrule / Without / with plastic sleeve
1 conductor		[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule		[mm²]			/ 0.5
Direct plug-in connection cross sections		[mm²]	0.34 - 4	-	0.34 - 2.5 / 0.34 - 2.5
General data					
Stripping length		[mm]	10		
Insulating material			PA		
Inflammability class according to UL 94			V0		

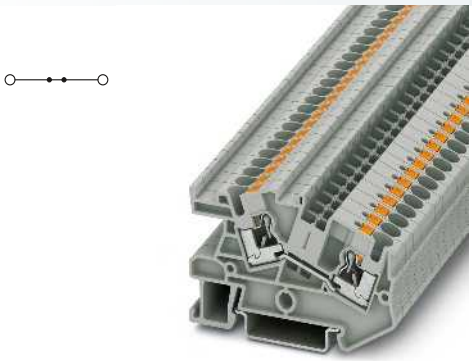
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PTI 2,5**		**3213968**	50
		blue	**PTI 2,5 BU**		**3213969**	50

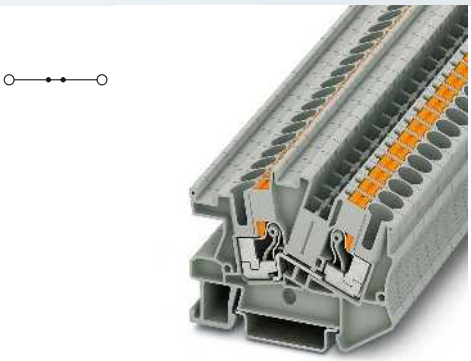
Accessories

Cover, width 2.2 mm		gray	**D-DTI 2,5**		**3034824**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide		blue	**AB-PTI**		**3214006**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



4 (6) mm², 32 A, feed-through terminal block



6 (10) mm², 41 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**66**	**44**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**800**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	-	-	-
32 / 4	- / -	-	-
4	-	-	-
24 - 10	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4 0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTI 4		**3213970**	50
PTI 4 BU		**3213971**	50

Accessories

D-DTI 4		**3034895**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
AB-PTI		**3214006**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**66**	**50**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**800**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	-	-	-
41 / 6	- / -	-	-
6	-	-	-
20 - 8	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTI 6		**3213972**	50
PTI 6 BU		**3213973**	50

Accessories

D-DTI 6		**3034947**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
AB-PTI 6		**3214008**	50
SZF 2-0,8X4,0		**1204520**	10

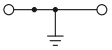
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

PTI ...−PE installation ground terminal blocks

- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947−7−2 are met

Notes:

For current carrying capacity of DIN rails, see page 716.





4 (4) mm², ground terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**5.2**	**59.5**	**44**
Max. electrical data				max. Ø [mm²] / AWG
				0.14 - 4 / 26 - 12
Rated data		IEC 60947-7-2 IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	26 - 12	26-12	- / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5
Direct plug-in connection cross sections	[mm²]	0.34 - 4	-	0.34 - 2.5 / 0.34 - 2.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

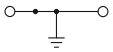
Ordering data

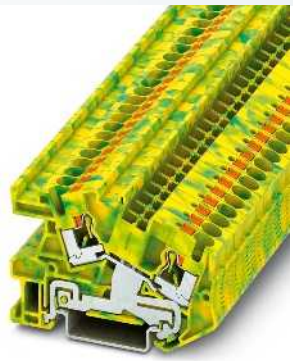
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**PTI 2,5-PE**		**3213962**	50

Accessories

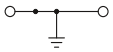
Cover, width 2.2 mm		gray	**D-DTI 2,5**		**3034824**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**		**3030161**	50
	3	red	**FBS 3-5**		**3030174**	50
	4	red	**FBS 4-5**		**3030187**	50
	5	red	**FBS 5-5**		**3030190**	50
	10	red	**FBS 10-5**		**3030213**	10
	20	red	**FBS 20-5**		**3030226**	10
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide		blue	**AB-PTI**		**3214006**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**





4 (6) mm², ground terminal block





6 (10) mm², ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**65.9**	**44**	
		max. Ø [mm²]	AWG
		0.2 - 6	**24 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	-
24 - 10	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4 0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTI 4-PE		**3213964**	50

Accessories

D-DTI 4		**3034895**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6		**3030336**	50
FBS 3-6		**3030242**	50
FBS 4-6		**3030255**	50
FBS 5-6		**3030349**	50
FBS 10-6		**3030271**	10
FBS 20-6		**3030365**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
AB-PTI		**3214006**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**66**	**50**	
		max. Ø [mm²]	AWG
		0.5 - 10	**20 - 8**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	-
20 - 8	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTI 6-PE		**3213966**	50

Accessories

D-DTI 6		**3034947**	50
FBS 2-8		**3030284**	10
FBS 3-8		**3030297**	10
FBS 4-8		**3030307**	10
FBS 5-8		**3030310**	10
FBS 10-8		**3030323**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
AB-PTI 6		**3214008**	50
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

PTN ... neutral conductor disconnect terminal blocks

All neutral conductor disconnect terminal blocks are fitted with a screwless disconnect slide and offer:
– Fast and reliable neutral conductor disconnect
– Secure latching of slide in end positions
– Clear view of the slide position

Notes:

Assembly instructions:
For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.

For L/N/PE AKG ... connection terminal blocks, see page 94.



4 (4) mm², 24 A, neutral disconnect terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**59**	**46.3**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		24	**250**	**0.14 - 4** / **26 - 12**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	250	600	- / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	- / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	26 - 12	26-12	- / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5
Direct plug-in connection cross sections	[mm²]	0.34 - 4	-	0.34 - 2.5 / 0.34 - 2.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

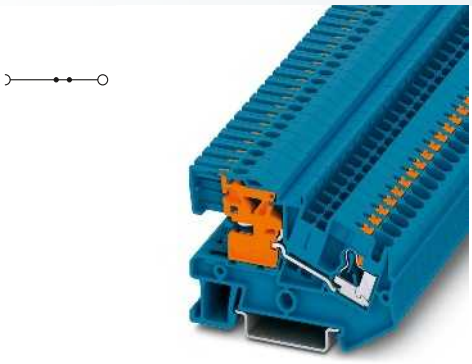
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Neutral disconnect terminal block, for mounting on NS 35...		blue	**PTN 2,5**		**3213963**	50

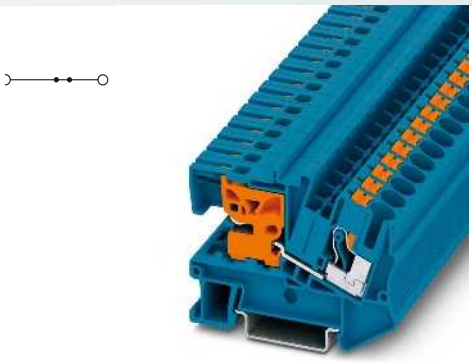
Accessories

Cover, width 2.2 mm		blue	**D-PTN 2,5**		**3213977**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide		blue	**AB-PTI**		**3214006**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



4 (6) mm², 32 A, neutral disconnect terminal block



6 (10) mm², 41 A, neutral disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**66**	**46.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**250**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	-	-	-
32 / 4	- / -	-	-
4	-	-	-
24 - 10	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4 0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTN 4		**3213965**	50

Accessories

D-PTN 4		**3213978**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
AB-PTI		**3214006**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**66.3**	**50**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**400**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
41 / 6	- / -	-	-
6	-	-	-
20 - 8	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTN 6		**3213967**	50

Accessories

D-PTN 6		**3213979**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PS-8		**3031005**	10
AB-PTI 6		**3214008**	50
SZF 2-0,8X4,0		**1204520**	10

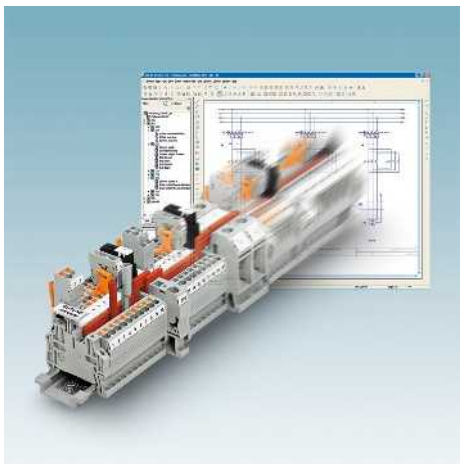
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

PTI ... three-level installation terminal blocks



- Optimum operating convenience with extremely compact design
- Quickly wire load circuits with a pitch of just 5.2 mm
- Double function shafts on all levels
- Every terminal point can be clearly labeled and clearly seen in every terminal block installation position

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

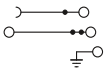


Notes:

Assembly instructions:
For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.

For L/N/PE AKG ... connection terminal blocks and further accessories, see page 94.

[1]) 3-pos. termination block.





4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor can be disconnected, 1 x PE

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**101**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		30[1])	**400**	**0.14 - 4**	**26 - 12**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	-	-
Phase conductor / phase conductor	[V]	400	-	-	-
Phase conductor / PE	[V]	250	-	-	-
Phase conductor / N	[V]	250	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	26 - 12	26-12	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
Direct plug-in connection cross sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

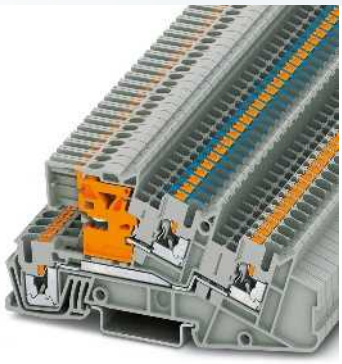
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PTI 2,5-PE/L/NT**		**3213946**	50

Accessories

Cover, width 2.2 mm		gray	**D-PTI/3**		**3213975**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, solid up to 16 mm², 10 mm wide		blue	**AKG 16 BU**		**0423014**	50
Up to 35 mm² solid, 14.3 mm wide		blue	**AKG 35 BU**		**0424013**	50
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Support, to hold the neutral busbar, set every 20 cm, 2 mm wide		blue	**AB-PTI/3**		**3213974**	50
Partition plate, 2.2 mm wide		gray	**ATP-PTI/3**		**3213990**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**





4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor can be disconnected





4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x L phase conductor can be disconnected

Technical data

Width	Length	Height NS 35/7,5	
5.2	**101**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	**400**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
-	-	-	-
250	-	-	-
24 / 4	20 / -	-	-
4	-	-	-
26 - 12	26-12	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTI 2,5-L/NT		**3213947**	50

Accessories

D-PTI/3		**3213975**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
AKG 16 BU		**0423014**	50
AKG 35 BU		**0424013**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
AB-PTI/3		**3213974**	50
ATP-PTI/3		**3213990**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**101**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	**400**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
-	-	-	-
-	-	-	-
24 / 4	20 / -	-	-
4	-	-	-
26 - 12	26-12	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTI 2,5-L/LT		**3213948**	50

Accessories

D-PTI/3		**3213975**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
AKG 16 BU		**0423014**	50
AKG 35 BU		**0424013**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
AB-PTI/3		**3213974**	50
ATP-PTI/3		**3213990**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

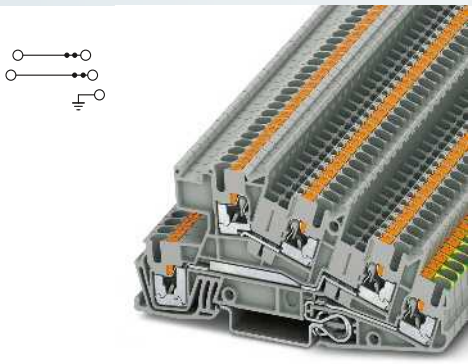
PTI ... three-level installation terminal blocks

Notes:

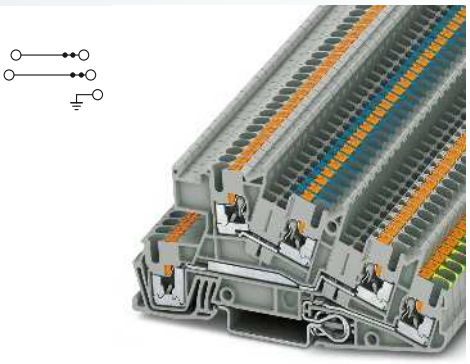
Assembly instructions:
For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.

For L/N/PE AKG ... connection terminal blocks and further accessories, see page 94.

[1]) 3-pos. termination block.



4 (4) mm², 30 A, three-level terminal block, 2 x L phase conductor, 1 x PE



4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor, 1 x PE

Technical data

		Width	Length	Height NS 35/7,5	
Dimensions					
	[mm]	**5.2**	**101**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		30	**400**	**0.14 - 4**	**26 - 12**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	-	-
Phase conductor / phase conductor	[V]	400	-	-	-
Phase conductor / PE	[V]	250	-	-	-
Phase conductor / N	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	26 - 12	26-12	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
Direct plug-in connection cross sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray gray/blue	**PTI 2,5-PE/L/L**		**3213949**	50

Accessories

Cover, width 2.2 mm		gray	**D-PTI/3**		**3213975**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, solid up to 16 mm², 10 mm wide		blue	**AKG 16 BU**		**0423014**	50
Up to 35 mm² solid, 14.3 mm wide		blue	**AKG 35 BU**		**0424013**	50
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Support, to hold the neutral busbar, set every 20 cm, 2 mm wide		blue	**AB-PTI/3**		**3213974**	50
Partition plate, 2.2 mm wide		gray	**ATP-PTI/3**		**3213990**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			
Center and lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			

Technical data

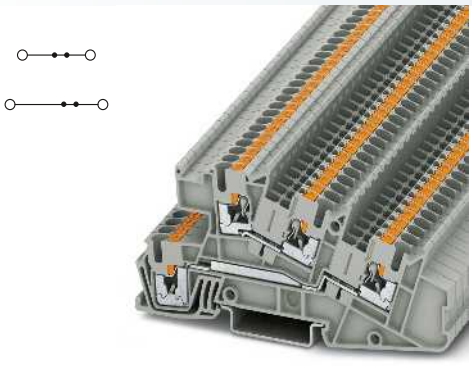
		Width	Length	Height NS 35/7,5	
Dimensions					
	[mm]	**5.2**	**101**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		30	**400**	**0.14 - 4**	**26 - 12**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	-	-
Phase conductor / phase conductor	[V]	400	-	-	-
Phase conductor / PE	[V]	250	-	-	-
Phase conductor / N	[V]	250	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	26 - 12	26-12	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
Direct plug-in connection cross sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

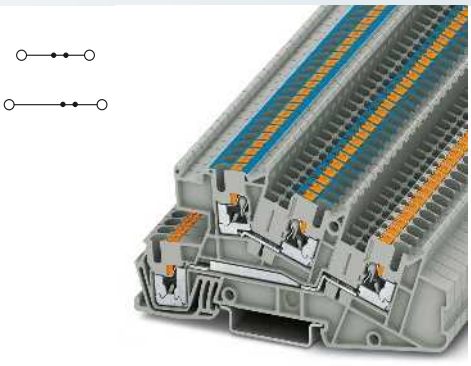
Type	I_{max}	Order No.	Pcs. / Pkt.
PTI 2,5-PE/L/N		**3213950**	50

Accessories

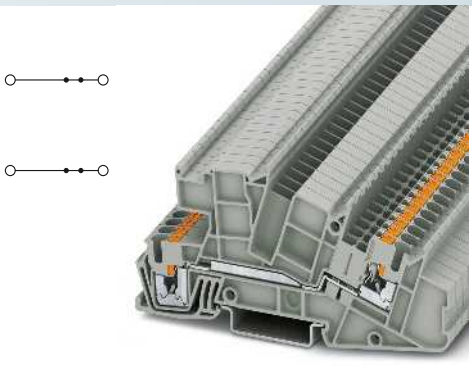
D-PTI/3		**3213975**	50		
FBS 2-5	24 A	**3030161**	50		
FBS 3-5	24 A	**3030174**	50		
FBS 4-5	24 A	**3030187**	50		
FBS 5-5	24 A	**3030190**	50		
FBS 10-5	24 A	**3030213**	10		
FBS 20-5	24 A	**3030226**	10		
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10		
AKG 16 BU		**0423014**	50		
AKG 35 BU		**0424013**	50		
MPS-MT		**0201744**	10		
MPS-IH RD		**0201676**	10		
PS-5		**3030983**	10		
AB-PTI/3		**3213974**	50		
ATP-PTI/3		**3213990**	50		
SZF 1-0,6X3,5		**1204517**	10		
UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)					
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)					



4 (4) mm², 30 A, three-level terminal block, 2 x L phase conductor



4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor



4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor

Technical data

Width	Length	Height NS 35/7,5	
5.2	**101**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**400**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
-	-	-	-
-	-	-	-
24 / 4	20 / -	-	-
4	-	-	-
26 - 12	26-12	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTI 2,5-L/L		**3213953**	50

Accessories

D-PTI/3		**3213975**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
AKG 16 BU		**0423014**	50
AKG 35 BU		**0424013**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
AB-PTI/3		**3213974**	50
ATP-PTI/3		**3213990**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**101**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	**400**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
-	-	-	-
250	-	-	-
24 / 4	20 / -	-	-
4	-	-	-
26 - 12	26-12	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTI 2,5-L/N		**3213954**	50

Accessories

D-PTI/3		**3213975**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
AKG 16 BU		**0423014**	50
AKG 35 BU		**0424013**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
AB-PTI/3		**3213974**	50
ATP-PTI/3		**3213990**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**101**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**400**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
-	-	-	-
-	-	-	-
24 / 4	20 / -	-	-
4	-	-	-
26 - 12	26-12	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

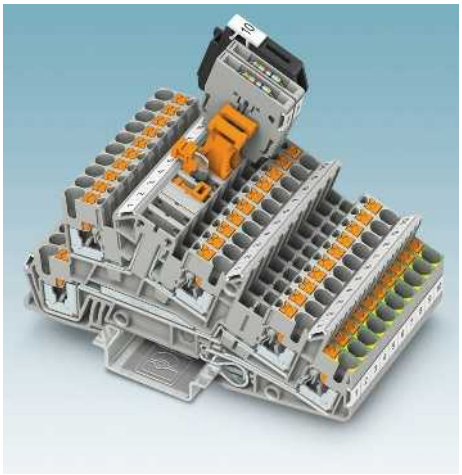
Type	I_{max}	Order No.	Pcs. / Pkt.
PTI 2,5-L		**3213951**	50
PTI 2,5-N		**3213952**	50

Accessories

D-PTI/3		**3213975**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
AKG 16 BU		**0423014**	50
AKG 35 BU		**0424013**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
AB-PTI/3		**3213974**	50
ATP-PTI/3		**3213990**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

PTI ... three-level installation terminal blocks



- Knife disconnect terminal block with a current carrying capacity of 16 A
- Seamless and can be double bridged for all tasks in time-saving potential supply and distribution
- Testing facility on both sides of the disconnect point
- Optimum operating convenience with extremely compact design
- Quickly wire load circuits with a pitch of just 5.2 mm
- Double function shafts on all levels
- Every terminal point can be clearly labeled and clearly seen in every terminal block installation position

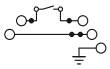
S-MT switching lock

- The optional switching lock snaps in and effectively prevents accidental switching

Notes:

[1]) 3-pos. termination block.

[2]) Also see page 480.





4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor can be disconnected, 1 x PE

Technical data

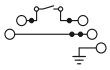
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**101**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		30[1])	**400**	**0.14 - 4**	**26 - 12**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	-	-
Phase conductor / phase conductor	[V]	400	-	-	-
Phase conductor / PE	[V]	250	-	-	-
Phase conductor / N	[V]	250	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	26 - 12	26-12	-	-
Disconnect level rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	16 / 1.5	20 / -	-	-
Connection capacity		solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
Direct plug-in connection cross sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PTI 2,5-PE/L/NTB**		**3213955**	50

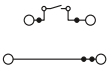
Accessories

Cover, width 2.2 mm		gray	**D-PTI/3B**		**3213976**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Switching lock, plug-in[2])		white	**S-MT**		**3247954**	50
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Center and lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			



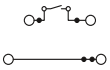


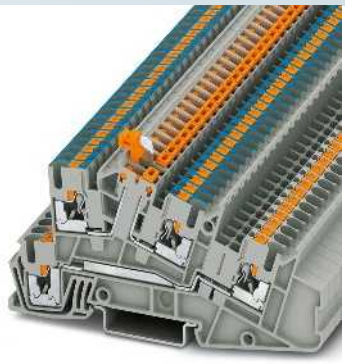
4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x L phase conductor can be disconnected, 1 x PE





4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x L phase conductor can be disconnected





4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor can be disconnected

Technical data

Width	Length	Height NS 35/7,5	
5.2	**101**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	**400**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
250	-	-	-
-	-	-	-
24 / 4	20 / -	-	-
4	-	-	-
26 - 12	26-12	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16 / 1.5	20 / -	-	-
solid	stranded	Ferrule	Without / with plastic sleeve
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTI 2,5-PE/L/LTB		**3213957**	50

Accessories

D-PTI/3B		**3213976**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
S-MT		**3247954**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**101**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	**400**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
-	-	-	-
-	-	-	-
24 / 4	20 / -	-	-
4	-	-	-
26 - 12	26-12	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16 / 1.5	20 / -	-	-
solid	stranded	Ferrule	Without / with plastic sleeve
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTI 2,5-L/LTB		**3213958**	50

Accessories

D-PTI/3B		**3213976**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
S-MT		**3247954**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**101**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	**400**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
400	-	-	-
-	-	-	-
-	-	-	-
24 / 4	- / -	-	-
4	-	-	-
26 - 12	-	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16 / 1.5	- / -	-	-
solid	stranded	Ferrule	Without / with plastic sleeve
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

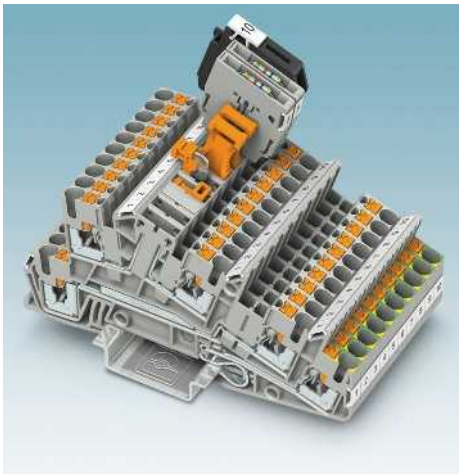
Type	I_{max}	Order No.	Pcs. / Pkt.
PTI 2,5-L/NTB		**3213956**	50

Accessories

D-PTI/3B		**3213976**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
S-MT		**3247954**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

PTI ... three-level installation terminal blocks

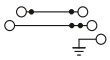


- Disconnect terminal block with universal disconnect zone for accommodating isolating plugs, feed-through connectors, component plugs, and fuse plugs
- Seamless and can be double bridged for all tasks in time-saving potential supply and distribution
- Testing facility on both sides of the disconnect point

P-FU 5X20-5 fuse plug

- When offset, the fuse plug fits on the disconnect terminal blocks with a 5.2 mm pitch
- Appropriate for short-circuit and overload protection

Notes:
For corresponding function plugs, see page 480.
1) Observe max. load current.
2) Observe max. load current, depending on the power dissipation of the components. Max. 0.5 W with single arrangement.
3) For max. power dissipation, see page 724.
4) Current and voltage are determined by the plug used.
5) 3-pos. termination block.





4 (4) mm², 30 A, three-level terminal block, 2 x L phase conductor, 1 x PE

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**101**	**50.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		30[5])	**400**	**0.14 - 4 / 26 - 12**
Rated data		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400	300	- / -
Phase conductor / phase conductor	[V]	400	-	- / -
Phase conductor / PE	[V]	250	-	- / -
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	- / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	26 - 12	26-12	- / -
Disconnect level rated data		IEC	UL/CUL	CSA / IEC/EN 60079-7
Nominal current / cross section	[A] / [mm²]	16 / 1.5	20 / -	- / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5
Direct plug-in connection cross sections	[mm²]	0.34 - 4	-	0.34 - 2.5 / 0.34 - 2.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

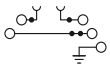
Ordering data

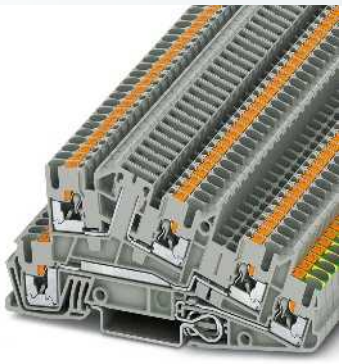
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PTI 2,5-PE/L/LB**		**3213959**	50

Accessories

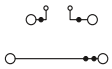
Cover, width 2.2 mm		gray	**D-PTI/3B**		**3213976**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Isolating plug[1])		orange				
Feed-through connector[1])		gray				
Component plug, labeled with ZBF 5 or UC-TMF 5[2])		gray				
Fuse plug, width 6.2 mm[3])		black				
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**





4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x PE, 1 x disconnect zone





4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x disconnect zone

Technical data

Width	Length	Height NS 35/7,5	
5.2	**101**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[5])	**400**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
250	-	-	-
24 / 4	20 / -	-	-
4	-	-	-
26 - 12	26-12	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16 / 1.5	20 / -	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTI 2,5-PE/L/TG		**3213960**	50

Accessories

D-PTI/3B		**3213976**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**101**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[5])	**400[4])**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[4])	300	-	-
400[4])	-	-	-
-	-	-	-
24 / 4	20 / -	-	-
4	-	-	-
26 - 12	26-12	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16 / 1.5	20 / -	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

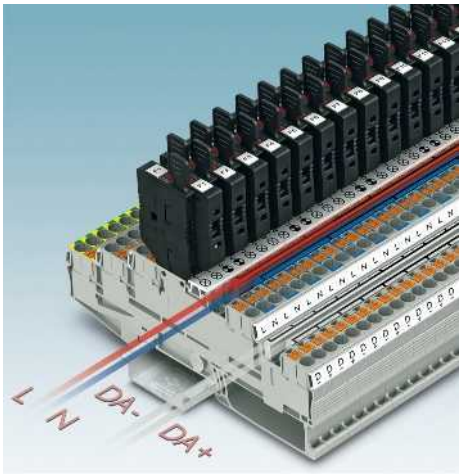
Type	I_{max}	Order No.	Pcs. / Pkt.
PTI 2,5-L/TG		**3213961**	50

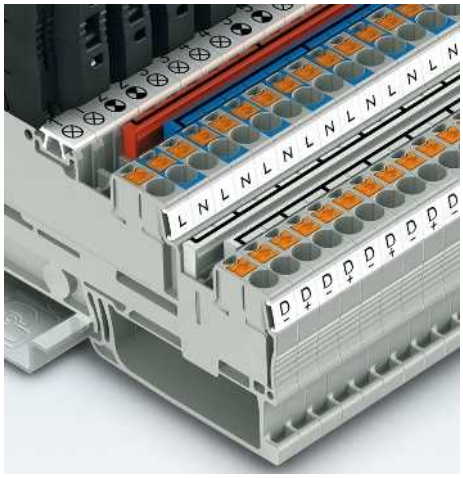
Accessories

D-PTI/3B		**3213976**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

PTB ... three-level installation terminal blocks with disconnect zone





- The three-level installation terminal blocks have been specially developed for the building installation sector
- DALI-controlled emergency lighting systems can be conveniently fused and wired when space is at a premium

- Two function shafts are available on each level on the inside of the control cabinet
- Quick and easy potential distribution, e.g., from the DALI bus system





- The disconnect zone of the three-level terminal blocks is specially designed for use in standard distribution boards

- The P-FU ...-5 fuse plug can be inserted into the universal disconnect zone of the narrow 5.2 mm three-level terminal blocks with a nested arrangement
- Space-saving overload and short-circuit protection of the individual positive and negative potentials of emergency lighting systems, for example

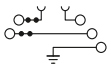
Notes:
For current carrying capacity of DIN rails, see page 716.
For further plug-in bridges, see page 472.
1) If the fuse is faulty, the downstream circuit is not off load.
2) Observe max. load current.
3) Observe max. load current, depending on the power dissipation of the components. Max. 0.5 W with single arrangement.
4) For max. power dissipation, see page 724.
5) Current and voltage are determined by the plug used.
6) 3-pos. termination block.

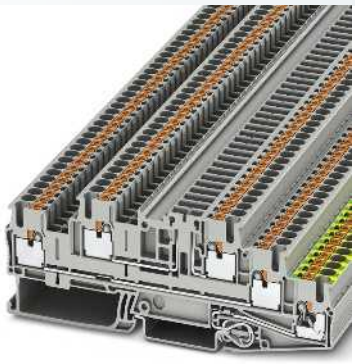
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Phase conductor / phase conductor	[V]
Phase conductor / PE	[V]
Phase conductor / N	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Disconnect level rated data	
Nominal current / cross section	[A] / [mm²]
Connection capacity	
1 conductor	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
Direct plug-in connection cross sections	[mm²]
General data	
Stripping length	[mm]
Insulating material	
Inflammability class according to UL 94	

Description	No. of pos.	Color
Three-level terminal block with disconnect level, for mounting on NS 35...		gray
Fuse plug, width 5.2 mm1)		black
With LED for 12-30 V DC, 0.35-0.95 mA		black
For 30-60 V AC/DC, 0.36-0.95 mA		black
For 110-250 V AC/DC, 0.4-0.95 mA		black

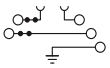
Cover, width 2.2 mm		gray
Insulation stop sleeve, cross section range:		
0.08 - 0.2 mm²		white
0.25 - 0.5 mm²		gray
0.75 - 1 mm²		black
Plug-in bridge		
	2	red
	3	red
	10	red
Test adapter, 4-mm test socket hole		gray
Test plug metal part, 2.3 mm Ø		
Insulating sleeve, for MPS metal part		red
Modular test plug, for the individual assembly of test plug strips		red
Isolating plug2)		orange
Feed-through connector2)		gray
Component plug, labeled with ZBF 5 or UC-TMF 53)		gray
Screwdriver		

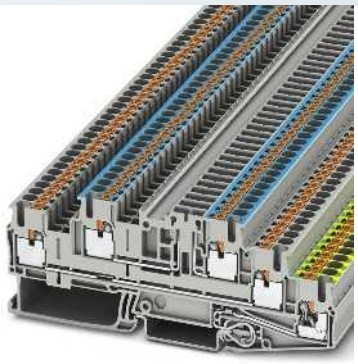
Center groove labeling
Center and lateral groove labeling





4 (4) mm², 30 A, three-level terminal block, with disconnect zone





4 (4) mm², 30 A, three-level terminal block, with disconnect zone



5.2 mm fuse plug, for 5 x 20 mm cartridge fuses

Technical data

Width	Length	Height NS 35/7,5	
5.2	**118**	**42.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[6])	**400[5])**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[5])	-	-	-
400[5])	-	-	-
250	-	-	-
-	-	-	-
24 / 4	- / -	-	-
4	-	-	-
26 - 12	-	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16 / 1.5	- / -	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTB 2,5-PE/L/TG		**3210539**	50

Accessories

D-PTB 2,5/3		**3210552**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 10-5	24 A	**3030213**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**118**	**42.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[6])	**400[5])**	**0.14 - 4**	**26 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[5])	-	-	-
400[5])	-	-	-
250	-	-	-
250	-	-	-
24 / 4	- / -	-	-
4	-	-	-
26 - 12	-	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16 / 1.5	- / -	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTB 2,5-PE/L/NTG		**3210545**	50

Accessories

D-PTB 2,5/3		**3210552**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 10-5	24 A	**3030213**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**23.5**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
6.3[4])	**400[5])**	**-**	**-**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[5])	300	300	-
400[5])	-	-	-
-	-	-	-
-	-	-	-
6.3	10 / -	10 / -	-
-	-	-	-
-	-	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
-	-	-	-
-	-	-	-
-			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
P-FU 5X20-5	**3209235**	10
P-FU 5X20 LED 24-5	**3209248**	10
P-FU 5X20 LED 60-5	**3209251**	10
P-FU 5X20 LED 250-5	**3209264**	10

Accessories

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

PTB ...-MT three-level installation terminal blocks with knife disconnect zone

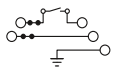
– Knife disconnect zone in upper level
– Same shape as the three-level installation terminal blocks with universal disconnect zone
– Testing facility on both sides of the disconnect point
– Optimum operating convenience with extremely compact design
– Quickly wire load circuits with a pitch of just 5.2 mm
– Double function shafts on all levels
– Each terminal point can be clearly labeled

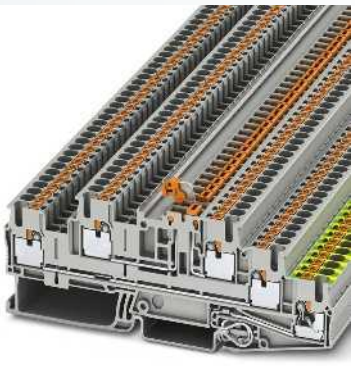
S-MT switching lock

– The optional switching lock snaps in and effectively prevents accidental switching

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

Notes:
For current carrying capacity of DIN rails, see page 716.
1) 3-pos. termination block.
2) Also see page 480.





4 (4) mm², 30 A, three-level terminal block, with knife disconnect zone

Technical data

Dimensions					
	[mm]	Width	Length	Height NS 35/7,5	
		5.2	**118**	**42.3**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		30[1])	**400**	**0.14 - 4**	**26 - 12**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Phase conductor / phase conductor	[V]	400	-	-	-
Phase conductor / PE	[V]	250	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 4	- / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	26 - 12	-	-	-
Disconnect level rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	16 / 1.5	- / -	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
Direct plug-in connection cross sections	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

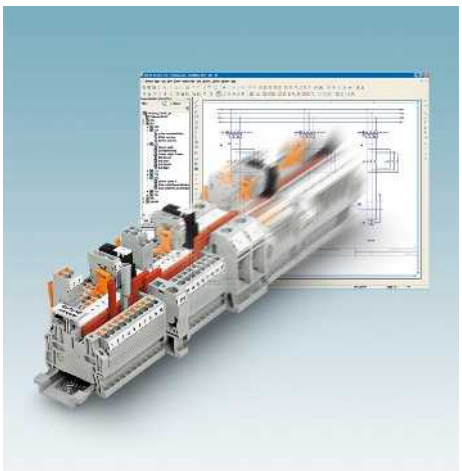
Ordering data

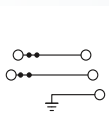
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Three-level terminal block with disconnect level, for mounting on NS 35...		gray	**PTB 2,5-PE/L/MT**		**3210549**	50
Three-level terminal block, for mounting on NS 35...		gray				

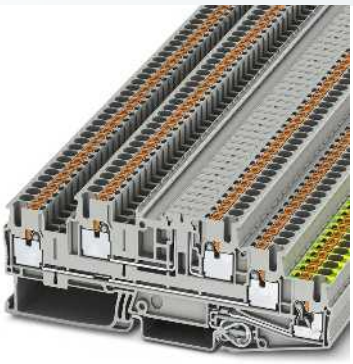
Accessories

Cover, width 2.2 mm		gray	**D-PTB 2,5/3**		**3210552**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Switching lock, plug-in[2])		white	**S-MT**		**3247954**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**







4 (4) mm², 30 A, three-level terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	**118**	**42.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**400**	**0.14 - 4**	**26 - 12**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
400	-	-	-
250	-	-	-
24 / 4	- / -	-	-
4	-	-	-
26 - 12	-	-	-

IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	- / -	-	-

solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5

10
PA
V0

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTB 2,5-PE/L/L		**3210547**	50

Accessories

D-PTB 2,5-PE/L/L		**3210553**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

PTU ... hybrid terminal block bases for distribution of potential with single-sided screw connection



The terminal block bases are ideal for use in building installation and mechanical engineering applications, thanks to the following features:

– Quick and easy potential distribution with 14 push-in terminal points
– Compact design
– 25 mm² screw connection
– Large labeling option

The branch terminals from the UDB ... series are suitable for the simple voltage pick-off of main supply cables up to 35 mm², see page 98.



Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.

1 ... 12



16 (25) mm², 80 A, terminal block base, 15 connections

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**17.5**	**89.5**	**36**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		80[1])	**690**	**1.5 - 25**	**16 - 4**
Rated data, external screw connection		IEC 60998-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	690	-	-	-
Nominal current / cross section	[A] / [mm²]	76[1]) / 16	-	-	-
Rated cross section	[mm²]	16	-	-	-
Cross section range	AWG	16 - 4	-	-	-
Connection capacity of screw connection		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	1.5 - 25	2.5 - 16	1.5 - 16	1.5 - 16
Two conductors (of the same type)	[mm²]	1.5 - 10	1.5 - 6	1.5 - 6	-
Two stranded conductors with a TWIN ferrule	[mm²]				1.5 - 6
Rated data, 2 internal push-in connections		IEC 60998-2-2 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	690	-	-	-
Nominal current / cross section	[A] / [mm²]	20[1]) / 2.5	-	-	-
Cross section range	AWG	14 - 12	-	-	-
Connection capacity, 2 internal push-in connections		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	1.5 - 4	-	1 - 2.5	1 - 2.5
Two conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
Direct plug-in connection cross sections	[mm²]	1.5 - 4	-	1	1
Rated data, 12 external Push-in connections		IEC 60998-2-2 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	690	-	-	-
Nominal current / cross section	[A] / [mm²]	16[1]) / 1.5	-	-	-
Cross section range	AWG	12 - 14	-	-	-
Connection capacity, 12 external Push-in connections		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	1 - 2.5	-	0.75 - 1.5	0.75 - 1.5
Two conductors with a TWIN ferrule	[mm²]				0.25 - 0.75
Direct plug-in connection cross sections	[mm²]	1 - 2.5	-	1.5	1.5
General data					
Stripping length, screw connection	[mm]	12			
Stripping length, push-in connection	[mm]	12			
Screw thread		M5			
Tightening torque	[Nm]	2 - 3			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...	gray blue green	**PTU 16/14X2,5 GY**	**3214016**	10

Accessories

Three-compartment marker carrier, can be snapped into ST 2,5-3... and PT 2,5-3... three-level terminal blocks, can be labeled with UC-TMF 5 and ZBF 5 or ...TM 5 and ZB 5	gray	**STP 5-3**	**0810562**	100

1 ... 12



16 (25) mm², 80 A, terminal block base, 15 connections

1 ... 12



16 (25) mm², 80 A, terminal block base, 15 connections

Technical data

Width	Length	Height NS 35/7,5	
17.5	**89.5**	**36**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
80[1])	**690**	**1.5 - 25**	**16 - 4**
IEC 60998-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
690	-	-	-
76[1]) / 16	-	-	-
16	-	-	-
16 - 4	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
1.5 - 25	2.5 - 16	1.5 - 16	1.5 - 16
1.5 - 10	1.5 - 6	1.5 - 6	- 1.5 - 6
IEC 60998-2-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
690	-	-	-
20[1]) / 2.5	-	-	-
14 - 12	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
1.5 - 4	-	1 - 2.5	1 - 2.5 0.5 - 1.5
1.5 - 4	-	1	1
IEC 60998-2-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
690	-	-	-
16[1]) / 1.5	-	-	-
12 - 14	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
1 - 2.5	-	0.75 - 1.5	0.75 - 1.5 0.25 - 0.75
1 - 2.5	-	1.5	1.5
12			
12			
M5			
2 - 3			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTU 16/14X2,5 BU	**3214014**	10

Accessories

STP 5-3	**0810562**	100

Technical data

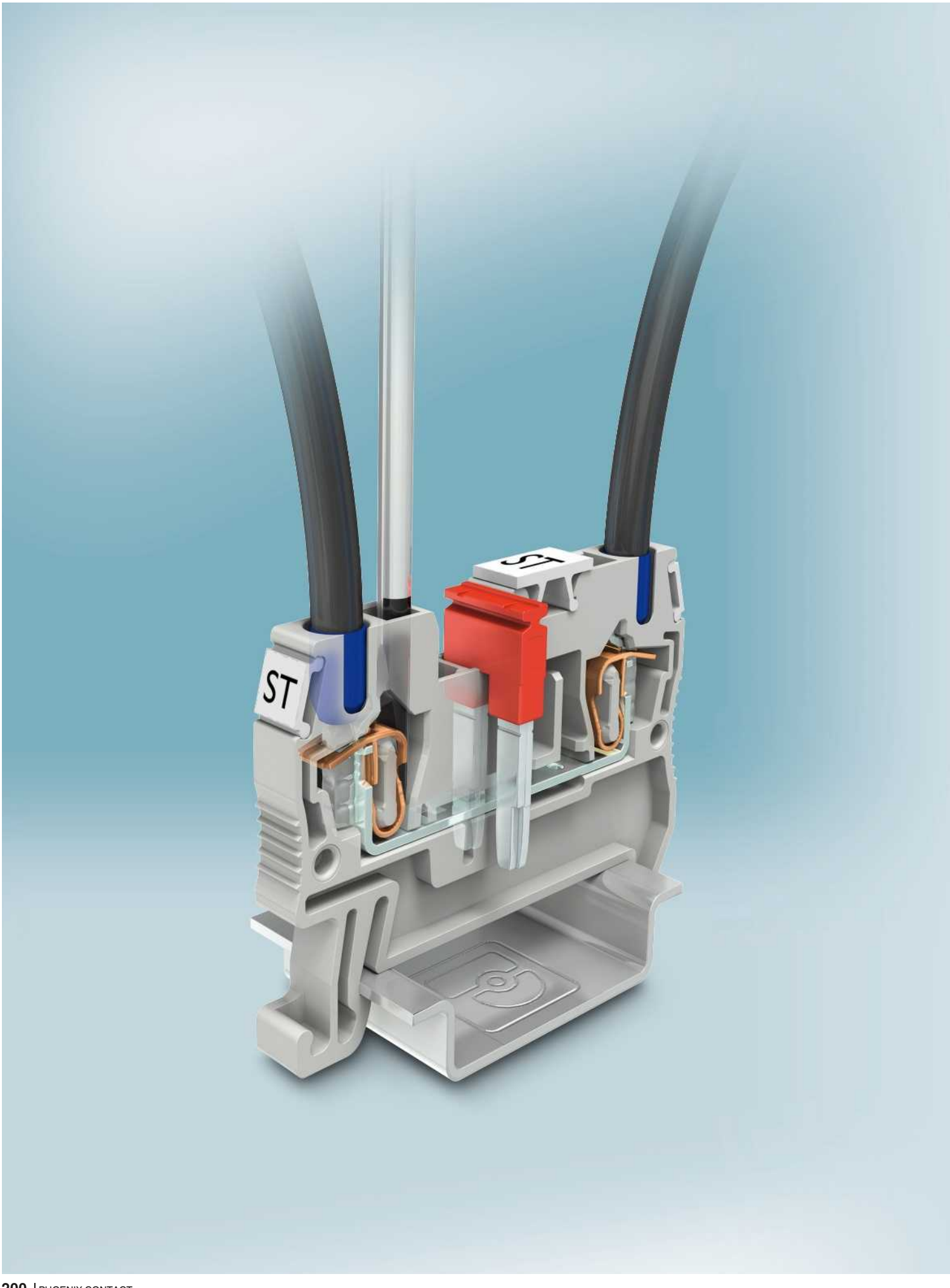
Width	Length	Height NS 35/7,5	
17.5	**89.5**	**36**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
80[1])	**690**	**1.5 - 25**	**16 - 4**
IEC 60998-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
690	-	-	-
76[1]) / 16	-	-	-
16	-	-	-
16 - 4	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
1.5 - 25	2.5 - 16	1.5 - 16	1.5 - 16
1.5 - 10	1.5 - 6	1.5 - 6	- 1.5 - 6
IEC 60998-2-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
690	-	-	-
20[1]) / 2.5	-	-	-
14 - 12	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
1.5 - 4	-	1 - 2.5	1 - 2.5 0.5 - 1.5
1.5 - 4	-	1	1
IEC 60998-2-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
690	-	-	-
16[1]) / 1.5	-	-	-
12 - 14	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
1 - 2.5	-	0.75 - 1.5	0.75 - 1.5 0.25 - 0.75
1 - 2.5	-	1.5	1.5
12			
12			
M5			
2 - 3			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTU 16/14X2,5 GN	**3214015**	10

Accessories

STP 5-3	**0810562**	100


ST
ST

ST spring-cage connection terminal blocks

The ST spring-cage connection terminal blocks from the CLIPLINE complete system have been developed for universal spring-loaded conductor contacting. The high contact force guarantees a vibration-proof, gas-tight connection with long-term stability.

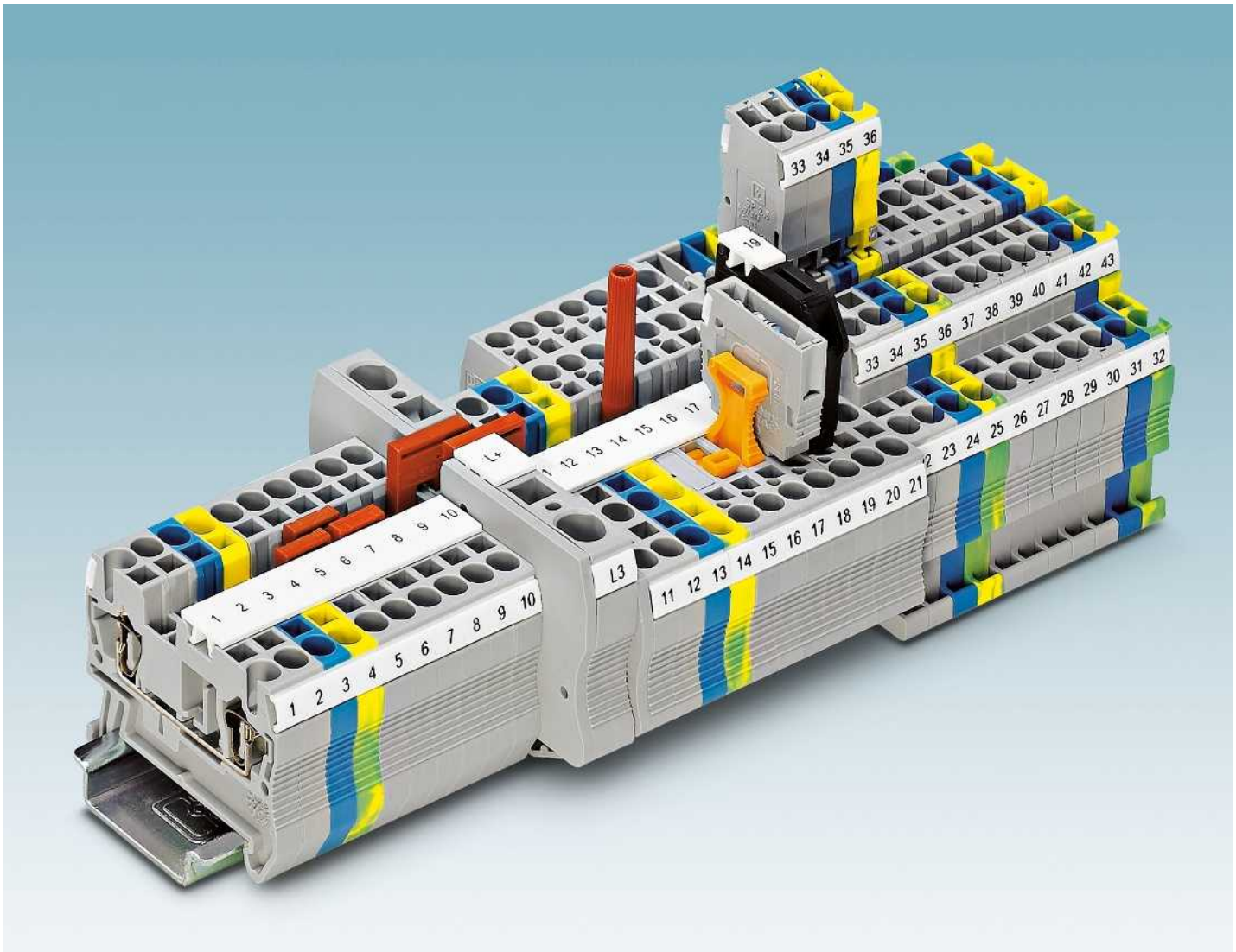
The compact front connection ensures easy operation. The terminal point is opened using a standard screwdriver. After the conductor has been inserted into the clamping space, the screwdriver is removed and the conductor automatically makes contact.

All kinds of copper conductors up to 35 mm² can be clamped without any pre-treatment.

Spring-cage connection terminal blocks offer a large insertion space, which means that conductors with a nominal cross section can be wired both with and without ferrules.

Product range overview

ST spring-cage connection terminal blocks	**202**
Feed-through terminal blocks	**204**
Ground terminal blocks	**208**
Feed-through terminal blocks with 3 connections	**212**
Ground terminal blocks with 3 connections	**216**
Feed-through terminal blocks with 4 connections	**220**
Ground terminal blocks with 4 connections	**224**
Double-level terminal blocks	**226**
Double-level ground terminal blocks	**228**
Three-level terminal blocks	**232**
Four-level terminal blocks	**235**
Three-conductor initiator/actuator terminal blocks	**236**
Four-conductor initiator/actuator terminal blocks	**238**
Potential distributors and marshalling distributors	**240**
Lever-type fuse and disconnect terminal blocks	**243**
Fuse terminal blocks	**244**
Disconnect terminal blocks	**246**
Knife disconnect terminal blocks	**248**
Double-level knife disconnect terminal blocks	**250**
Test disconnect terminal blocks	**253**
Disconnect and diode terminal blocks for photovoltaics	**254**
Diode and LED double-level terminal blocks	**258**
Hybrid terminal blocks	**262**
Desk-design feed-through terminal blocks	**268**
Desk-design ground terminal blocks	**270**
Desk-design feed-through terminal blocks with 3 connections	**272**
Desk-design ground terminal blocks with 3 connections	**274**
Desk-design feed-through terminal blocks with 4 connections	**276**
Desk-design ground terminal blocks with 4 connections	**277**
Desk-design double-level terminal blocks	**278**
Desk-design knife disconnect and disconnect terminal blocks	**280**
Installation terminal blocks	**282**
Installation/ground terminal blocks	**284**
Installation neutral conductor disconnect terminal blocks	**286**
Three-level installation terminal blocks	**288**
Mini double-level terminal blocks	**293**
Mini feed-through terminal blocks with perpendicular conductor entry	**294**
Mini feed-through terminal blocks with perpendicular conductor entry for direct mounting	**298**
Mini feed-through terminal blocks with lateral conductor entry	**300**
Mini feed-through terminal blocks with lateral conductor entry for direct mounting	**303**





Space-saving design

Thanks to the space-saving design and conductor entry from above, ST spring-cage terminal blocks are ideal for control systems where limited space is available.



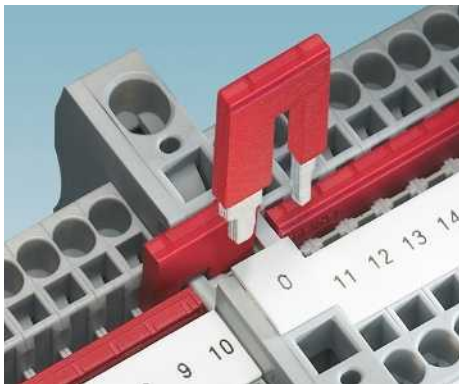
Maximum connection space

Thanks to their maximum connection space, miniature spring-cage terminal blocks offer a quick means of wiring solid and stranded conductors, even for conductors of nominal cross section with assembled ferrule.

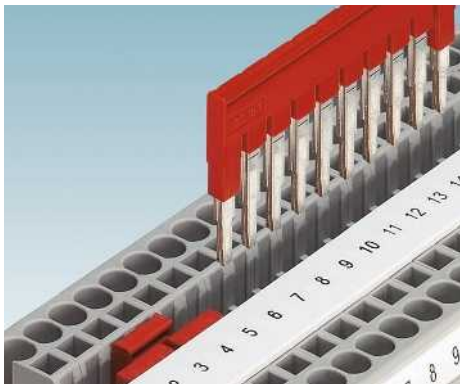


Large-surface labeling

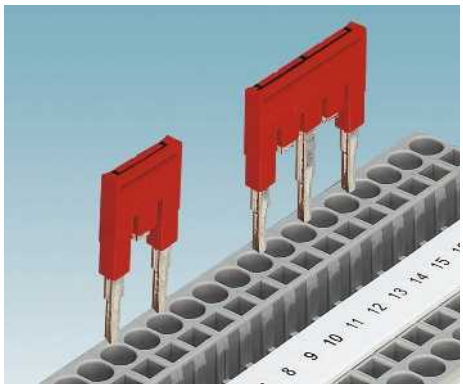
Large and clear marking of the terminal points is essential for reliable and quick installation. In addition to this, each terminal point can be labeled separately.



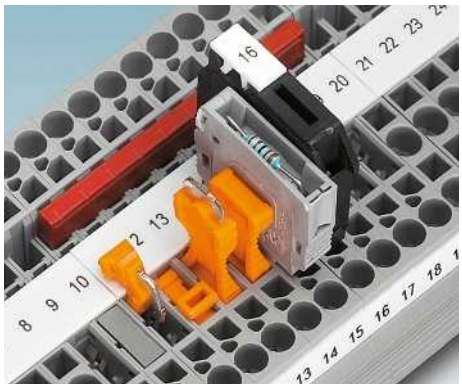
The reducing bridge allows terminal blocks with different nominal cross sections to be connected with ease. The reducing bridge can be used to quickly create power blocks, e.g., an ST 10 spring-cage terminal block with an ST 2,5 or ST 4.



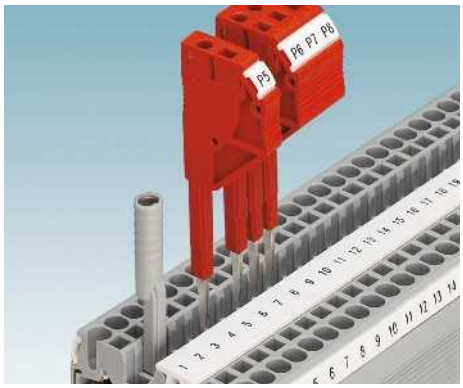
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2 to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



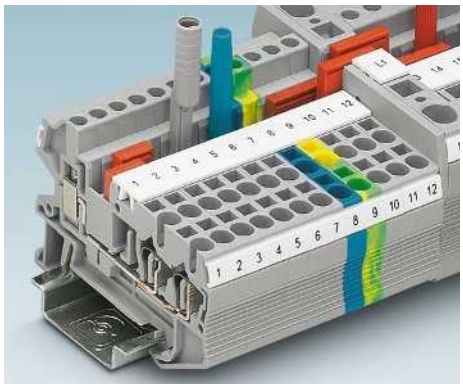
A jumping bridge is created by removing individual contact guides from the standard bridge. Two potentials can then be routed in parallel. The contact points can also be marked.



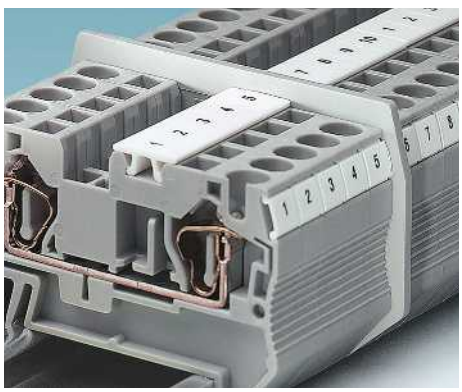
The P-FIX isolated feed-through connector, P-DI isolating plug, P-CO component plug, and P-FU cartridge fuse plug can be used in the universal plug-in zone of the disconnect terminal block.



A test plug with a 2.3 mm diameter is available for measuring lines. All measurement and test work can be completed at speed using test adapters for 4 mm diameter test plugs and the modular test plugs.



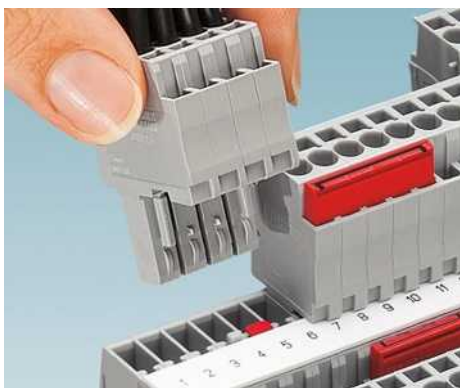
The hybrid versions combine the benefits of the spring-cage connection method with those of the universal screw connection.



The partition plates protrude beyond the terminal block contours. They provide visual as well as electrical group separation.



Cover segments are used to cover protruding terminal block segments of three or four-conductor terminal blocks, when adding two-conductor terminal blocks. Fingers are thereby protected from contact.



ST-COMBI terminal blocks are available for creating plug-in signal and power wiring. The system is touch proof and offers plugs for self-assembly with extensive accessories. See “COMBI” section, page 329.

ST ... feed-through terminal block



The ST spring-cage terminal block series is characterized by the system features of the CLIPLINE complete system and the following features:

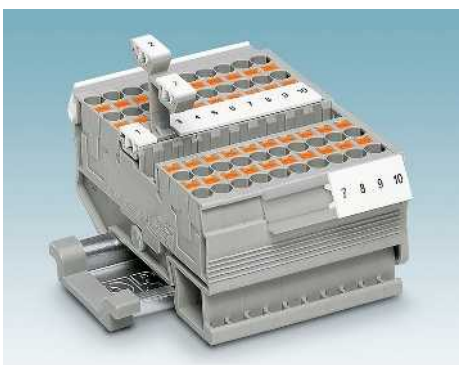
– The compact design and front connection not only offer space savings but also convenient wiring in tight spaces
– The large connection space allows conductors with ferrules and plastic collars of nominal cross section to be accommodated
– The continuous dual function shaft offers every opportunity for time-saving potential distribution and storing test accessories

Terminal strip service

We produce fully pre-assembled terminal strips for fitting straight into the control cabinet or switch system. This simplifies installation, saves time, and cuts costs.

Marker carriers

– Various marker carriers and adapters are available for all tasks relating to the marking of terminal blocks and terminal strips.

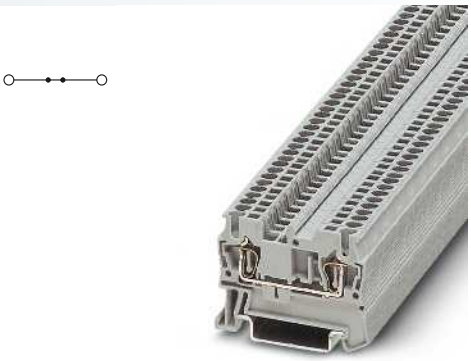


Notes:

For suitable marker carriers or adapters, see page 484.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.

[2]) The reducing bridge table should be followed, see page 476.



1.5 (1.5) mm², 17.5 A, feed-through terminal block

Ex: KEMA 01ATEX2129 U / IECEx KEM 06.0043U

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		4.2	**48.5**	**36.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG
		17.5	**500**	**0.08 - 1.5** **28 - 16**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA IEC/ EN 60079-7
Rated voltage	[V]	500	300	300 440
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / - 17.5 / 1.5 // 17.5 / 1.5
Rated cross section	[mm²]	1.5	-	- 1.5
Cross section range	AWG	28 - 16	26-14	26-14 28 - 16
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5 0.14 - 1.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

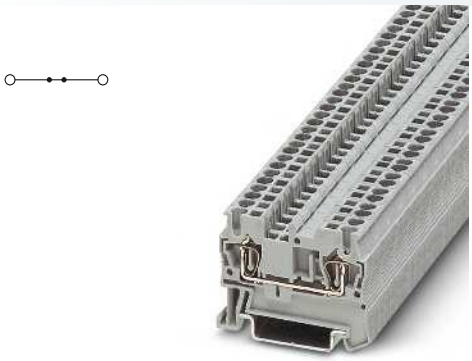
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**ST 1,5**		**3031076**	50
		blue	**ST 1,5 BU**		**3031089**	50
		orange	**ST 1,5 OG**		**3037012**	50
		red	**ST 1,5 RD**		**3037038**	50
		black	**ST 1,5 BK**		**3037067**	50

Accessories[1])

Cover, width 2.2 mm		gray	**D-ST 2,5**		**3030417**	50
Cover, 0.8 mm width		orange	**D-ST 2,5-0,8 OG**		**3030511**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 1,5/0,2**		**3206131**	50
0.25 - 0.5 mm²		gray	**ISH 1,5/0,5**		**3031034**	50
0.75 - 1 mm²		black				
Plug-in bridge						
	2	red	**FBS 2-4**	17.5 A	**3030116**	50
	3	red	**FBS 3-4**	17.5 A	**3030129**	50
	4	red	**FBS 4-4**	17.5 A	**3030132**	50
	5	red	**FBS 5-4**	17.5 A	**3030145**	50
	10	red	**FBS 10-4**	17.5 A	**3030158**	10
	20	red	**FBS 20-4**	17.5 A	**3030352**	10
Reducing bridge[2])						
	2	red				
Partition plate, 2 mm width		gray	**ATP-ST 4**		**3030721**	50
Test plug metal part, 2.3 mm Ø						
Insulating sleeve, for MPS metal part		red				
Modular test plug, for the individual assembly of test plug strips		red	**PS-4**		**3030970**	10
Warning cover, for ST series		yellow	**WST 1,5**		**3030958**	50
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10

Center groove labeling	**UC-TM 4, UCT-TM 4 or ZB 4 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 4, UCT-TMF 4 or ZBF 4 (see Catalog 5)**



2.5 (4) mm², 31 A, feed-through terminal block

Ex:
KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**48.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
31	**800**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
24 / 2.5	20 / -	20 / -	21 / 2.5 // 27 / 4
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

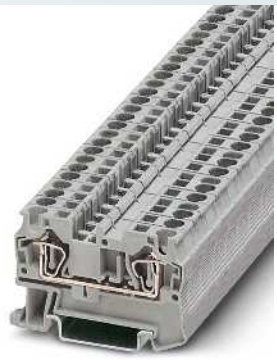
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5		**3031212**	50
ST 2,5 BU		**3031225**	50
ST 2,5 OG		**3037070**	50
ST 2,5 RD		**3037096**	50
ST 2,5 BK		**3037122**	50

Accessories[1])

D-ST 2,5		**3030417**	50
D-ST 2,5-0,8 OG		**3030511**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
RB ST (2,5/4)-1,5		**3038943**	10
ATP-ST 4		**3030721**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



4 (6) mm², 40 A, feed-through terminal block

Ex:
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**56**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
40	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
32 / 4	30 / -	30 / -	30 / 4 // 34.5 / 6
4	-	-	4
28 - 10	28-10	28-10	28 - 10
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

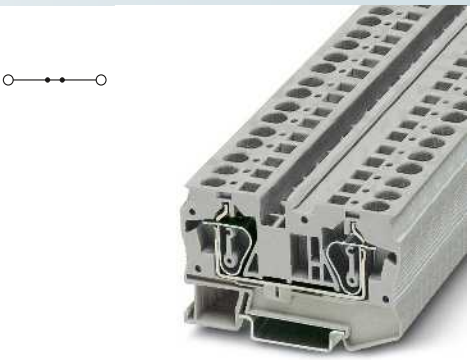
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4		**3031364**	50
ST 4 BU		**3031377**	50
ST 4 OG		**3037135**	50
ST 4 RD		**3037151**	50
ST 4 BK		**3037180**	50

Accessories[1])

D-ST 4		**3030420**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
RB ST (2,5/4)-1,5		**3038943**	10
ATP-ST 4		**3030721**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)



6 (10) mm², 52 A, feed-through terminal block

Ex:
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data

Width	Length	Height NS 35/7,5	
8.2	**69.5**	**43.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
52	**1000**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	600	550
41 / 6	50 / -	50 / -	36.5 / 6 // 45 / 10
6	-	-	6
24 - 8	24-8	24-8	24 - 8
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
PA			
V0			

Ordering data

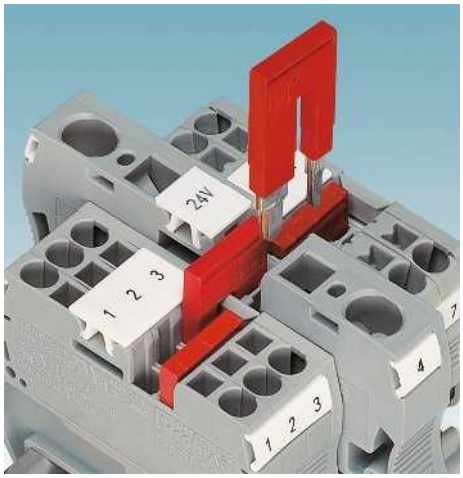
Type	I_{max}	Order No.	Pcs. / Pkt.
ST 6		**3031487**	50
ST 6 BU		**3031490**	50

Accessories[1])

D-ST 6		**3030433**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
RB ST 6-(2,5/4)		**3030860**	10
ATP-ST 6		**3024481**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
WST 6		**3030967**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

ST ... feed-through terminal block



- The double bridge shaft not only allows individual chain bridging, but also step down bridging to spring-cage terminal blocks with smaller cross sections
- The flexible options for reducing bridging in the CLIPLINE complete system can be found in the "Accessories" section
- The PAI−ST 35/1000MM test plug with molded 2.5 mm² conductor functions both as a test connection and as a pick-off with a capacity of 24 A. The test connection makes contact in the function shaft of the ST 35 terminal blocks; see figure below.



Notes:

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.

[2]) The reducing bridge table should be followed, see page 476.



10 (16) mm², 65 A, feed-through terminal block

Ex: KEMA 01ATEX2260 U / IECEx KEM 06.0033U

Technical data

Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]	**10.2**	**71.5**	**50.3**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	65	**1000**	**0.2 - 16**	**24 - 6**
Rated data	IEC 60947-7-1			Ex
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	600	550
Nominal current / cross section	[A] / [mm²]	57 / 10	65 / -	65 / -	50 / 10 // 63 / 16
Rated cross section	[mm²]	10	-	-	10
Cross section range	AWG	24 - 6	16-6	16-6	24 - 6
Connection capacity		solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 16	0.2 - 10	0.25 - 10	0.25 - 10
Two stranded conductors with a TWIN ferrule	[mm²]				1.5 - 2.5
General data					
Stripping length	[mm]	18			
Insulating material		PA			
Inflammability class according to UL 94		V0			

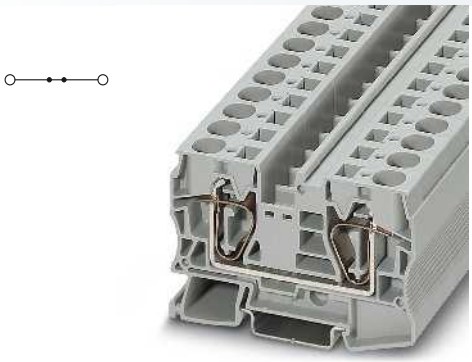
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**ST 10**		**3036110**	50
		blue	**ST 10 BU**		**3036123**	50

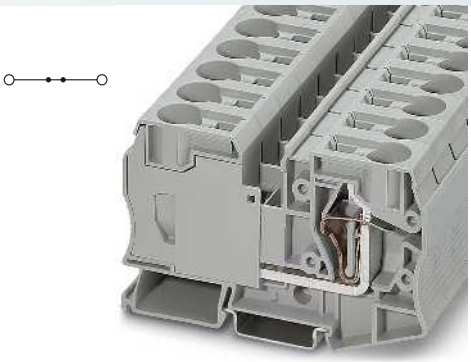
Accessories[1])

Cover, width 2.2 mm		gray	**D-ST 10**		**3036644**	50
Plug-in bridge	2	red	**FBS 2-10**	57 A	**3005947**	10
Reducing bridge[2])	2	red	**RB ST 10-(2,5/4)**		**3030873**	10
Reducing bridge[2])	2	red				
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Test plug, with molded 2.5 mm² conductor, length: 1 m		red				
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 10/35**		**3030006**	25
Screwdriver			**SZF 3-1,0X5,5**		**1206612**	10

Center groove labeling	**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 10, UCT-TMF 10 or ZBF 10 (see Catalog 5)**



16 (25) mm², 90 A, feed-through terminal block



35 (35) mm², 125 A, feed-through terminal block

Ex:
KEMA 01ATEX2260 U / IECEx KEM 06.0033U

Technical data

Width	Length	Height NS 35/7,5	
12.2	**80**	**51.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
90	**1000**	**0.2 - 25**	**24 - 4**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	600	550
76 / 16	85 / -	85 / -	65 / 16 // 82 / 25
16	-	-	16
24 - 4	16-4	16-4	24 - 4
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 25	0.2 - 16	0.25 - 16	0.25 - 16 1.5 - 4
18			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 16		**3036149**	50
ST 16 BU		**3036152**	50

Accessories[1])

D-ST 16		**3036657**	50
FBS 2-12	76 A	**3005950**	10
RB ST 16-(2,5/4)		**3030886**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)
UC-TMF 12, UCT-TMF 12 or ZBF 12 (see Catalog 5)

Ex:
KEMA 01ATEX2260 U / IECEx KEM 06.0033U

Technical data

Width	Length	Height NS 35/7,5	
16	**100**	**59**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
125	**1000**	**2.5 - 35**	**14 - 2**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	600	690
125 / 35	115 / -	115 / -	108 / 35 // 108 / 35
35	-	-	35
14 - 2	14-2	14-2	14 - 2
solid	stranded	Ferrule Without / with plastic sleeve	
2.5 - 35	2.5 - 35	2.5 - 35	2.5 - 35 2.5 - 10
25			
PA			
V0			

Ordering data

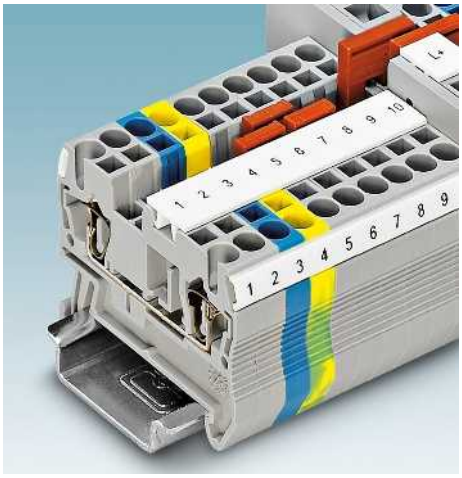
Type	I_{max}	Order No.	Pcs. / Pkt.
ST 35		**3036178**	10
ST 35 BU		**3036181**	10

Accessories[1])

FBS 2-16	101 A	**3005963**	10
RB ST 35-(2,5/4)		**3030899**	10
RB 35-16		**3032169**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PAI-ST 35/1000MM		**3029994**	20
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10

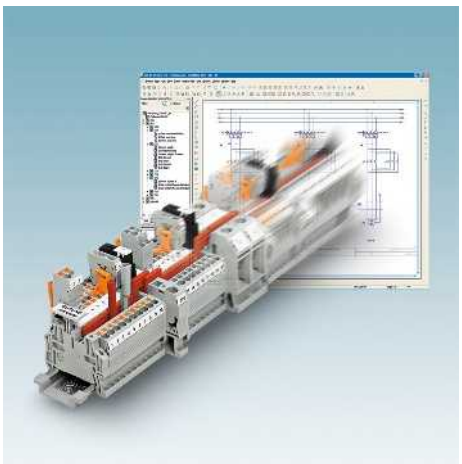
UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 5)
UC-TMF 16, UCT-TMF 16 or ZBF 16 (see Catalog 5)

ST ...-PE ground terminal blocks



- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- meet all the requirements of standard IEC 60947-7-2 ST ...-PE
  These are in particular:
- Low contact resistance
- Corrosion-proof terminal points
- Green-yellow housing
- Additional options for marking

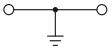
CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.





1.5 (1.5) mm², ground terminal block

Ex: KEMA 01ATEX2129 U / IECEx KEM 06.0043U

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		4.2	**48.5**	**36.5**

Max. electrical data				
			max. Ø [mm²]	AWG
			0.08 - 1.5	**28 - 16**

Rated data		IEC 60947-7-2			
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	- / -	-	-
Rated cross section	[mm²]	1.5	-	-	1.5
Cross section range	AWG	28 - 16	26-14	26-14	28 - 16
Connection capacity		solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

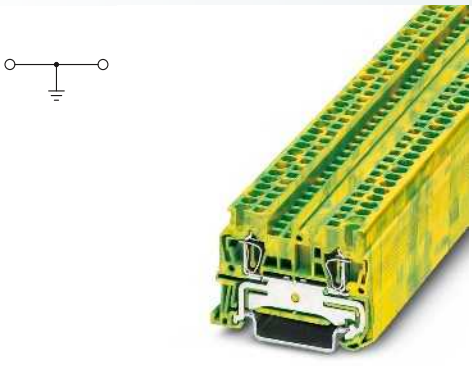
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**ST 1,5-PE**	**3031513**	50

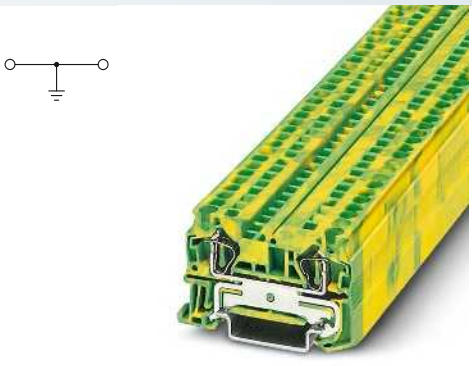
Accessories[1])

Cover, width 2.2 mm		gray	**D-ST 2,5**	**3030417**	50
Cover, 0.8 mm width		orange	**D-ST 2,5-0,8 OG**	**3030511**	50
Insulation stop sleeve, cross section range:					
0.08 - 0.2 mm²		white	**ISH 1,5/0,2**	**3206131**	50
0.25 - 0.5 mm²		gray	**ISH 1,5/0,5**	**3031034**	50
0.75 - 1 mm²		black			
Plug-in bridge					
	2	red			
	3	red			
	4	red			
	5	red			
	10	red			
Partition plate, 2 mm width		gray	**ATP-ST 4**	**3030721**	50
Test plug metal part, 2.3 mm Ø					
Insulating sleeve, for MPS metal part		red			
Warning cover, for ST series		yellow	**WST 1,5**	**3030958**	50
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10

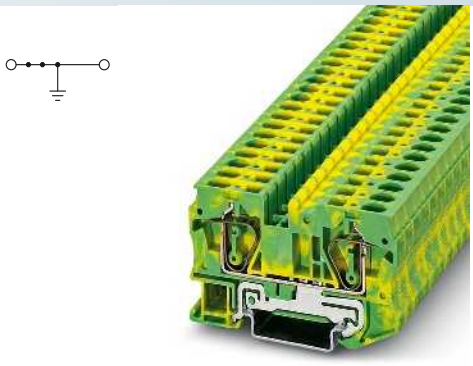
Center groove labeling	**UC-TM 4, UCT-TM 4 or ZB 4 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 4, UCT-TMF 4 or ZBF 4 (see Catalog 5)**



2.5 (4) mm², ground terminal block



4 (6) mm², ground terminal block



6 (10) mm², ground terminal block

Ex:

KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**48.5**	**36.5**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
ST 2,5-PE	**3031238**	50

Accessories[1])

D-ST 2,5	**3030417**	50
D-ST 2,5-0,8 OG	**3030511**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
ATP-ST 4	**3030721**	50
WST 2,5	**3030941**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Ex:

KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**56**	**36.5**	
		max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	4
28 - 10	28-10	28-10	28 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
ST 4-PE	**3031380**	50

Accessories[1])

D-ST 4	**3030420**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
ATP-ST 4	**3030721**	50
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Ex:

KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data

Width	Length	Height NS 35/7,5	
8.2	**69.5**	**43.5**	
		max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	6
24 - 8	24-8	24-8	24 - 8
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
PA			
V0			

Ordering data

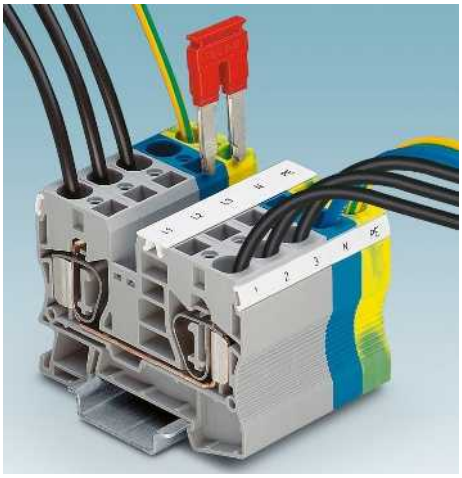
Type	Order No.	Pcs. / Pkt.
ST 6-PE	**3031500**	50

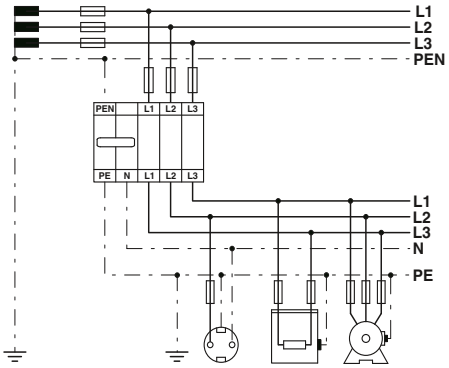
Accessories[1])

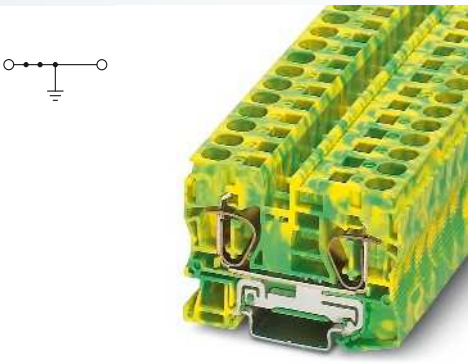
D-ST 6	**3030433**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
ATP-ST 6	**3024481**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
WST 6	**3030967**	10
SZF 2-0,8X4,0	**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

ST ...-PE ground terminal blocks







10 (16) mm², 65 A, ground terminal block

Ex: KEMA 01ATEX2260 U / IECEx KEM 06.0033U

PEN function in accordance with IEC 60947-7-2 from 10 mm² rated cross section

When electrical machine controls installed in a 5-conductor system are connected to the power supply at the site of installation, it is impossible to know in advance whether the connection will involve 4 or 5 conductors.

Larger cross sections normally have a 4-conductor supply, which must then be converted to a 5-conductor system on the terminal strip. The point at which the PEN conductor is split up into the neutral conductor and protective conductor is of particular importance here. In the case of ST spring-cage terminal blocks, this separation can be implemented very easily and according to the standard using a block that consists of a green-yellow ground terminal block with a metal foot and a blue modular terminal block that is isolated toward the DIN rail. Both terminal blocks are interconnected with a powerful plug-in bridge via which the current of the neutral conductor from the system is led to the PEN conductor. A copper DIN rail is not required, since the rail only has a PE function when the power block is used and can therefore be made of steel. Please observe the maximum permissible short-circuit current of the DIN rail for the PE function.

Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.

Technical data

Dimensions				
			[mm]	
Width	Length	Height NS 35/7,5		
10.2	**71.5**	**50.3**		
Max. electrical data				
$I_{max.}$ [A]		max. Ø [mm²]	AWG	
65		**0.2 - 16**	**24 - 6**	
Rated data	IEC 60947-7-2			
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	-	-	-	-
Nominal current / cross section	57 / 10	- / -	-	-
Rated cross section	10	-	-	10
Cross section range	24 - 6	16-6	16-6	24 - 6
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	0.2 - 16	0.2 - 10	0.25 - 10	0.25 - 10
Two stranded conductors with a TWIN ferrule				1.5 - 2.5
General data				
Stripping length	18			
Insulating material	PA			
Inflammability class according to UL 94	V0			

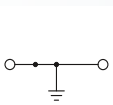
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**ST 10-PE**		**3036136**	50

Accessories[1])

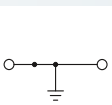
Cover, width 2.2 mm		gray	**D-ST 10**		**3036644**	50
Plug-in bridge	2	red	**FBS 2-10**	57 A	**3005947**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 10/35**		**3030006**	25
Screwdriver			**SZF 3-1,0X5,5**		**1206612**	10

Center groove labeling	**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 10, UCT-TMF 10 or ZBF 10 (see Catalog 5)**





16 (25) mm², 90 A, ground terminal block





35 (35) mm², 125 A, ground terminal block

Ex: KEMA 01ATEX2260 U / IECEx KEM 06.0033U

Technical data

Width	Length	Height NS 35/7,5	
12.2	**80**	**51.5**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
90		**0.2 - 25**	**24 - 4**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
76 / 16	- / -	-	-
16	-	-	16
24 - 4	16-4	16-4	24 - 4
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 25	0.2 - 16	0.25 - 16	0.25 - 16 1.5 - 4
18			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 16-PE		**3036165**	25

Accessories[1])

D-ST 16		**3036657**	50
FBS 2-12	76 A	**3005950**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)
UC-TMF 12, UCT-TMF 12 or ZBF 12 (see Catalog 5)

Ex: KEMA 01ATEX2260 U / IECEx KEM 06.0033U

Technical data

Width	Length	Height NS 35/7,5	
16	**100**	**59**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
125		**2.5 - 35**	**14 - 2**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
125 / 35	- / -	-	-
35	-	-	35
14 - 2	14-2	14-2	14 - 2
solid	stranded	Ferrule Without / with plastic sleeve	
2.5 - 35	2.5 - 35	2.5 - 35	2.5 - 35 2.5 - 10
25			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 35-PE		**3036194**	10

Accessories[1])

FBS 2-16	101 A	**3005963**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10

UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 5)
UC-TMF 16, UCT-TMF 16 or ZBF 16 (see Catalog 5)

ST ...-TWIN feed-through terminal blocks with 3 connections



ST ...-TWIN terminal blocks with single-sided double connection enable:
– Space-saving and practical multi-conductor connection without additional bridge
– All potential distribution tasks can be undertaken with ease
– The continuous dual function shaft offers every opportunity for time-saving potential distribution and storing test accessories

End cover segments

– If two-conductor terminal blocks are aligned on three or four-conductor terminal blocks, cover segments cover protruding parts
– Fingers are protected from contact

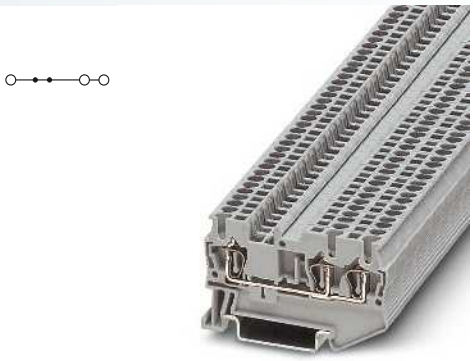


Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) For installation notes on the use of accessories for Ex e applications, see page 710.

[3]) The reducing bridge table should be followed, see page 476.



1.5 (1.5) mm², 17.5 A, feed-through terminal block, 3 connections

Ex: KEMA 01ATEX2129 U / IECEx KEM 06.0043U

Technical data

Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]	**4.2**	**60.5**	**36.5**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	17.5[1])	**500**	**0.08 - 1.5**	**28 - 16**
Rated data	IEC 60947-7-1			Ex
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	440
Nominal current / cross section	[A] / [mm²]	17.5[1]) / 1.5	15 / -	15 / -	17.5 / 1.5 // 17.5 / 1.5
Rated cross section	[mm²]	1.5	-	-	1.5
Cross section range	AWG	28 - 16	26-14	26-14	28 - 16
Connection capacity	solid	stranded	Ferrule	Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

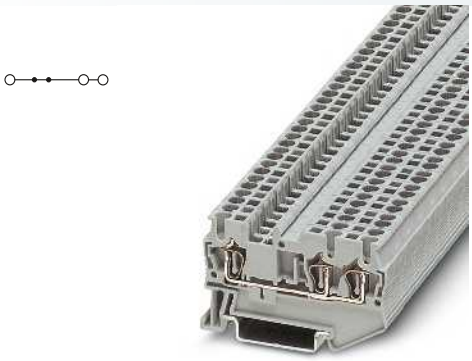
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**ST 1,5-TWIN**		**3031128**	50
		blue	**ST 1,5-TWIN BU**		**3031131**	50
		orange	**ST 1,5-TWIN OG**		**3037258**	50
		red	**ST 1,5-TWIN RD**		**3037274**	50
		black	**ST 1,5-TWIN BK**		**3037300**	50

Accessories[2])

Cover, width 2.2 mm		gray	**D-ST 2,5-TWIN**		**3030488**	50
Cover, 0.8 mm width		orange	**D-ST 2,5-TWIN-0,8 OG**		**3030512**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray	**DS-ST 2,5**		**3036602**	10
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 1,5/0,2**		**3206131**	50
0.25 - 0.5 mm²		gray	**ISH 1,5/0,5**		**3031034**	50
0.75 - 1 mm²		black				
Plug-in bridge						
	2	red	**FBS 2-4**	17.5 A	**3030116**	50
	3	red	**FBS 3-4**	17.5 A	**3030129**	50
	4	red	**FBS 4-4**	17.5 A	**3030132**	50
	5	red	**FBS 5-4**	17.5 A	**3030145**	50
	10	red	**FBS 10-4**	17.5 A	**3030158**	10
	20	red	**FBS 20-4**	17.5 A	**3030352**	10
Reducing bridge[3])						
	2	red				
Partition plate, 2 mm width		gray	**ATP-ST-TWIN**		**3030789**	50
Test plug metal part, 2.3 mm Ø						
Insulating sleeve, for MPS metal part		red				
Modular test plug, for the individual assembly of test plug strips		red	**PS-4**		**3030970**	10
Warning cover, for ST series		yellow	**WST 1,5**		**3030958**	50
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10

Center groove labeling	**UC-TM 4, UCT-TM 4 or ZB 4 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 4, UCT-TMF 4 or ZBF 4 (see Catalog 5)**



2.5 (4) mm², 28 A, feed-through terminal block, 3 connections

Ex:
KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
28[1])	**800**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
24[1]) / 2.5	20 / -	20 / -	21.5 / 2.5 // 25 / 4
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

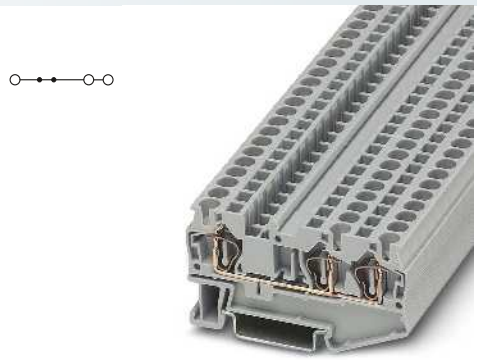
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-TWIN		**3031241**	50
ST 2,5-TWIN BU		**3031254**	50
ST 2,5-TWIN OG		**3031982**	50
ST 2,5-TWIN RD		**3031995**	50
ST 2,5-TWIN BK		**3037342**	50

Accessories[2])

D-ST 2,5-TWIN		**3030488**	50
D-ST 2,5-TWIN-0,8 OG		**3030512**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
RB ST (2,5/4)-1,5	31 A	**3038943**	10
ATP-ST-TWIN		**3030789**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



4 (6) mm², 40 A, feed-through terminal block, 3 connections

Ex:
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**71.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
40[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
32[1]) / 4	30 / -	30 / -	30 / 4 // 34.5 / 6
4	-	-	4
28 - 10	28-10	28-10	28 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
			0.5 - 1
10			
PA			
V0			

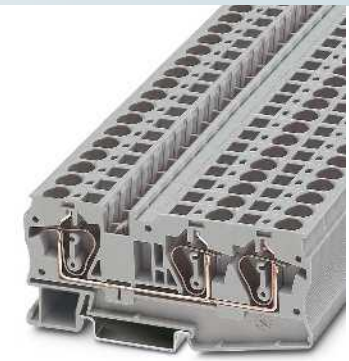
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-TWIN		**3031393**	50
ST 4-TWIN BU		**3031403**	50
ST 4-TWIN OG		**3037355**	50
ST 4-TWIN RD		**3037371**	50
ST 4-TWIN BK		**3037407**	50

Accessories[2])

D-ST 4-TWIN		**3030491**	50
DS-ST 4		**3036615**	10
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
RB ST (2,5/4)-1,5	31 A	**3038943**	10
ATP-ST-TWIN		**3030789**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)



6 (10) mm², 52 A, feed-through terminal block, 3 connections

Ex:
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data

Width	Length	Height NS 35/7,5	
8.2	**90.5**	**43.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
52[1])	**1000**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	600	550
41[1]) / 6	50 / -	50 / -	36 / 6 // 46 / 10
6	-	-	6
24 - 8	24-8	24-8	24 - 8
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
			0.5 - 1.5
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 6-TWIN		**3036466**	50
ST 6-TWIN BU		**3036479**	50

Accessories[2])

D-ST 6-TWIN		**3036767**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
RB ST 6-(2,5/4)		**3030860**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
WST 6		**3030967**	10
SZF 2-0,8X4,0		**1204520**	10

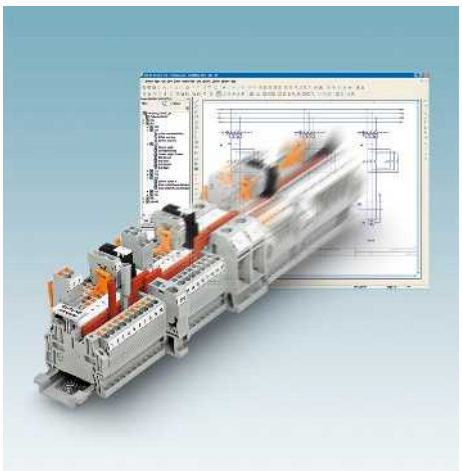
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

ST ...-TWIN feed-through terminal blocks with 3 connections



- ST ...-TWIN three-conductor spring-cage terminal blocks offer a space-saving alternative to standard feed-through terminal blocks where potential distribution with conductor cross sections of 10 and 16 mm2 is required
- Ideal as potential distributors in loop wiring systems
- Terminal blocks with a nominal cross section of 2.5 or 4 mm² can be combined without additional wiring effort using the RB ST ...(2,5/4) reducing bridge
- The flexible options for reducing bridging in the CLIPLINE complete system can be found in the "Accessories" section

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) The reducing bridge table should be followed, see page 476.



10 (16) mm², 70 A, feed-through terminal block, 3 connections

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		10.2	**97**	**50.3**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		70[1])	**1000**	**0.2 - 16 / 24 - 6**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	1000	600	- / -
Nominal current / cross section	[A] / [mm²]	57[1]) / 10	55 / -	- / -
Rated cross section	[mm²]	10	-	- / -
Cross section range	AWG	24 - 6	16-6	- / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 16	0.2 - 10	0.25 - 10 / 0.25 - 10
Two stranded conductors with a TWIN ferrule	[mm²]			1.5 - 2.5
General data				
Stripping length	[mm]	15		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**ST 10-TWIN**		**3035288**	25
		blue	**ST 10-TWIN BU**		**3035292**	25

Accessories

Cover, width 2.2 mm		gray	**D-ST 10-TWIN**		**3035315**	50
Plug-in bridge	2	red	**FBS 2-10**	57 A	**3005947**	10
Reducing bridge[2])	2	red	**RB ST 10-(2,5/4)**		**3030873**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 10/35**		**3030006**	25
Screwdriver			**SZF 3-1,0X5,5**		**1206612**	10

Center groove labeling	**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 10, UCT-TMF 10 or ZBF 10 (see Catalog 5)**



16 (25) mm², 90 A, feed-through terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
12.2	**107.8**	**51.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
90[1])	**1000**	**0.2 - 25**	**24 - 4**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
76[1]) / 16	75 / -	-	-
16	-	-	-
24 - 4	16-4	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 25	0.2 - 16	0.25 - 16	0.25 - 16 1.5 - 4
16			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 16-TWIN		**3035328**	25
ST 16-TWIN BU		**3035331**	25

Accessories

D-ST 16-TWIN		**3035357**	50
FBS 2-12	76 A	**3005950**	10
RB ST 16-(2,5/4)		**3030886**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)
UC-TMF 12, UCT-TMF 12 or ZBF 12 (see Catalog 5)

ST ...-TWIN-PE ground terminal blocks with 3 connections

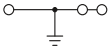


- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- ST ...-TWIN−PE fulfill all requirements of the IEC 60947−7−2 standard
  These are in particular:
- Low contact resistance
- Corrosion-proof terminal points
- Green-yellow housing
- Additional options for marking

Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.





1.5 (1.5) mm², ground terminal block, 3 connections

Ex:

KEMA 01ATEX2129 U / IECEx KEM 06.0043U

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**4.2**	**60.5**	**36.5**
Max. electrical data				max. Ø [mm²] / AWG
				0.08 - 1.5 / **28 - 16**
Rated data		IEC 60947-7-2		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	1.5	-	- / 1.5
Cross section range	AWG	28 - 16	26-14	26-14 / 28 - 16
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5 / 0.14 - 1.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

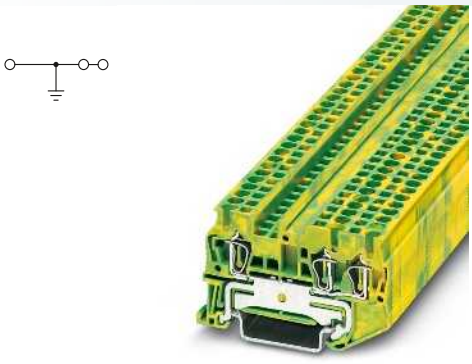
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**ST 1,5-TWIN-PE**	**3031144**	50

Accessories[1])

Cover, width 2.2 mm		gray	**D-ST 2,5-TWIN**	**3030488**	50
Cover, 0.8 mm width		orange	**D-ST 2,5-TWIN-0,8 OG**	**3030512**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray	**DS-ST 2,5**	**3036602**	10
Insulation stop sleeve, cross section range:					
0.08 - 0.2 mm²		white	**ISH 1,5/0,2**	**3206131**	50
0.25 - 0.5 mm²		gray	**ISH 1,5/0,5**	**3031034**	50
0.75 - 1 mm²		black			
Plug-in bridge					
	2	red			
	3	red			
	4	red			
	5	red			
	10	red			
Test plug metal part, 2.3 mm Ø					
Insulating sleeve, for MPS metal part		red			
Modular test plug, for the individual assembly of test plug strips		red			
Warning cover, for ST series		yellow	**WST 1,5**	**3030958**	50
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10

Center groove labeling	**UC-TM 4, UCT-TM 4 or ZB 4 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 4, UCT-TMF 4 or ZBF 4 (see Catalog 5)**



2.5 (4) mm², ground terminal block, 3 connections

Ex:
KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
ST 2,5-TWIN-PE	**3031267**	50

Accessories[1])

D-ST 2,5-TWIN	**3030488**	50
D-ST 2,5-TWIN-0,8 OG	**3030512**	50
DS-ST 2,5	**3036602**	10
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
WST 2,5	**3030941**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



4 (6) mm², ground terminal block, 3 connections

Ex:
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**71.5**	**36.5**	
		max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	4
28 - 10	28-10	28-10	28 - 10
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

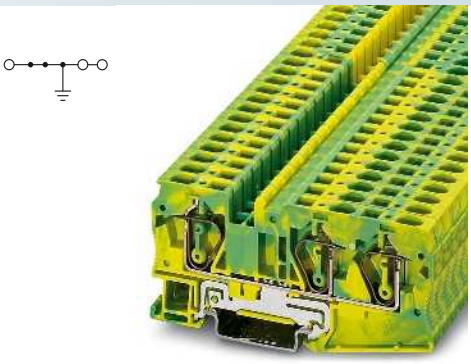
Ordering data

Type	Order No.	Pcs. / Pkt.
ST 4-TWIN-PE	**3031416**	50

Accessories[1])

D-ST 4-TWIN	**3030491**	50
DS-ST 4	**3036615**	10
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)



6 (10) mm², ground terminal block, 3 connections

Ex:
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data

Width	Length	Height NS 35/7,5	
8.2	**90.5**	**43.5**	
		max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	6
24 - 8	24-8	24-8	24 - 8
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
ST 6-TWIN-PE	**3036482**	50

Accessories[1])

D-ST 6-TWIN	**3036767**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-8	**3031005**	10
WST 6	**3030967**	10
SZF 2-0,8X4,0	**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

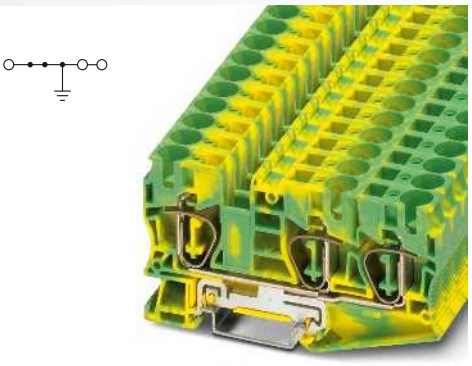
ST ...-TWIN-PE ground terminal blocks with 3 connections

- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- ST ...-TWIN−PE fulfill all requirements of the IEC 60947−7−2 standard
  These are in particular:
- Low contact resistance
- Corrosion-proof terminal points
- Green-yellow housing
- Additional options for marking

Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) The total current of all connected conductors must not exceed the max. load current.



10 (16) mm², 70 A, ground terminal block, 3 connections

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		10.2	**97**	**50.3**
Max. electrical data		$I_{max.}$ [A]		max. Ø [mm²] AWG
		70[1])		**0.2 - 16** **24 - 6**
Rated data		IEC 60947-7-2		
		IEC	UL/CUL	CSA IEC/ EN 60079-7
Rated voltage	[V]	-	-	- -
Nominal current / cross section	[A] / [mm²]	57[1]) / 10	- / -	- -
Rated cross section	[mm²]	10	-	- -
Cross section range	AWG	24 - 6	16-6	- -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 16	0.2 - 10	0.25 - 10 0.25 - 10
Two stranded conductors with a TWIN ferrule	[mm²]			1.5 - 2.5
General data				
Stripping length	[mm]	15		
Insulating material		PA		
Inflammability class according to UL 94		V0		

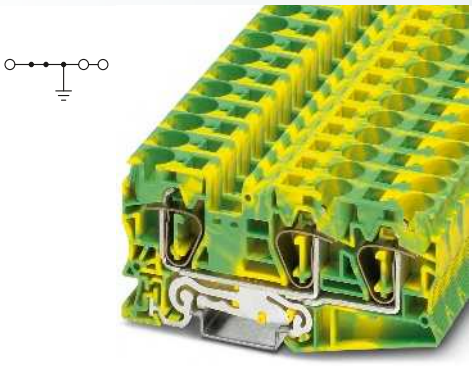
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**ST 10-TWIN-PE**		**3035302**	25

Accessories

Cover, width 2.2 mm		gray	**D-ST 10-TWIN**	**3035315**	50
Plug-in bridge					
	2	red	**FBS 2-10**	**3005947**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 10/35**	**3030006**	25
Screwdriver			**SZF 3-1,0X5,5**	**1206612**	10

Center groove labeling	**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 10, UCT-TMF 10 or ZBF 10 (see Catalog 5)**



16 (25) mm², 90 A, ground terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
12.2	**107.8**	**51.5**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
90[1])		**0.2 - 25**	**24 - 4**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
76[1]) / 16	- / -	-	-
16	-	-	-
24 - 4	16-4	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 25	0.2 - 16	0.25 - 16	0.25 - 16 1.5 - 4
16			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 16-TWIN-PE		**3035344**	25

Accessories

D-ST 16-TWIN		**3035357**	50
FBS 2-12	76 A	**3005950**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)
UC-TMF 12, UCT-TMF 12 or ZBF 12 (see Catalog 5)

ST ...-QUATTRO feed-through terminal blocks with 4 connections



- Compact potential distributors, the double connection allows four conductors to be connected on one potential
- Cross connection to any number of terminal blocks with the FBS ... continuous plug-in bridge system

End cover segments

- If two-conductor terminal blocks are aligned on three or four-conductor terminal blocks, cover segments cover protruding parts
- Fingers are protected from contact

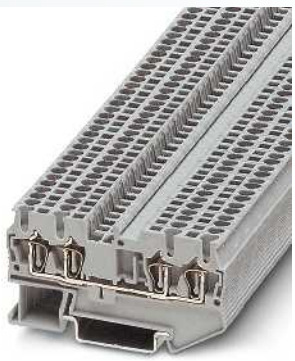


Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) For installation notes on the use of accessories for Ex e applications, see page 710.

[3]) The reducing bridge table should be followed, see page 476.



1.5 (1.5) mm², 17.5 A, feed-through terminal block, 4 connections

Technical data

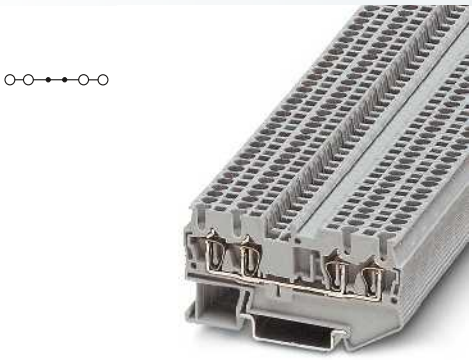
Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]	**3.5**	**72**	**32**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	17.5[1])	**500**	**0.08 - 1.5**	**28 - 16**
Rated data	IEC 60947-7-1			
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	10	600	-
Nominal current / cross section	[A] / [mm²]	17.5[1]) / 1.5	600 / -	10 / -	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	28 - 16	28-16	28-16	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]				
General data					
Stripping length	[mm]	8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray blue	**ST 1,5/S-QUATTRO**		**3213124**	50

Accessories[2])

Cover, width 2.2 mm		gray	**D-ST 1,5/S-QUATTRO**		**3213166**	50
Cover, 0.8 mm width		orange				
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray				
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white				
0.25 - 0.5 mm²		gray				
0.75 - 1 mm²		black				
Plug-in bridge						
	2	red	**FBS 2-3,5**	17.5 A	**3213014**	50
	3	red	**FBS 3-3,5**	17.5 A	**3213027**	50
	4	red	**FBS 4-3,5**	17.5 A	**3213030**	50
	5	red	**FBS 5-3,5**	17.5 A	**3213043**	50
	10	red	**FBS 10-3,5**	17.5 A	**3213056**	50
	20	red				
Reducing bridge[3])						
	2	red	**RB ST (2,5/4)-1,5/S**		**3214356**	10
Partition plate, 2 mm width		gray	**ATP-ST QUATTRO**		**3030815**	50
Test plug metal part, 2.3 mm Ø						
Insulating sleeve, for MPS metal part		red				
Modular test plug, for the individual assembly of test plug strips		red				
Warning cover, for ST series		yellow				
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10
Center groove labeling			**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**			
Center and lateral groove labeling			**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**			



1.5 (1.5) mm², 17.5 A, feed-through terminal block, 4 connections

Ex: KEMA 01ATEX2129 U / IECEx KEM 06.0043U

Technical data

Width	Length	Height NS 35/7,5	
4.2	**72**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
17.5[1])	**500**	**0.08 - 1.5**	**28 - 16**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	440
17.5[1]) / 1.5	15 / -	15 / -	17.5 / 1.5 // 17.5 / 1.5
1.5	-	-	1.5
28 - 16	26-14	26-14	28 - 16
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1.5
			0.5
10			
PA			
V0			

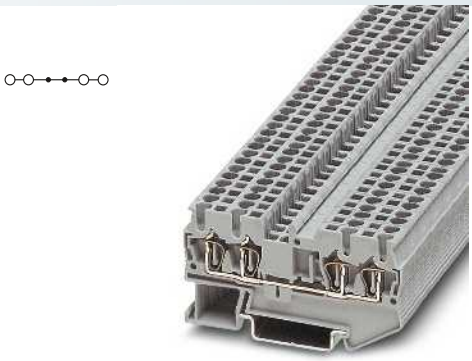
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 1,5-QUATTRO		**3031186**	50
ST 1,5-QUATTRO BU		**3031199**	50

Accessories[2])

D-ST 2,5-QUATTRO		**3030514**	50
D-ST 2,5-QUATTRO-0,8 OG		**3030513**	50
DS-ST 2,5		**3036602**	10
ISH 1,5/0,2		**3206131**	50
ISH 1,5/0,5		**3031034**	50
FBS 2-4	17.5 A	**3030116**	50
FBS 3-4	17.5 A	**3030129**	50
FBS 4-4	17.5 A	**3030132**	50
FBS 5-4	17.5 A	**3030145**	50
FBS 10-4	17.5 A	**3030158**	10
FBS 20-4	17.5 A	**3030352**	10
ATP-ST QUATTRO		**3030815**	50
PS-4		**3030970**	10
WST 1,5		**3030958**	50
SZF 0-0,4X2,5		**1204504**	10

UC-TM 4, UCT-TM 4 or ZB 4 (see Catalog 5)
UC-TMF 4, UCT-TMF 4 or ZBF 4 (see Catalog 5)



2.5 (4) mm², 28 A, feed-through terminal block, 4 connections

Ex: KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**72**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
28[1])	**800**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
24[1]) / 2.5	20 / -	20 / -	22 / 2.5 // 26 / 4
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO		**3031306**	50
ST 2,5-QUATTRO BU		**3031319**	50

Accessories[2])

D-ST 2,5-QUATTRO		**3030514**	50
D-ST 2,5-QUATTRO-0,8 OG		**3030513**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
RB ST (2,5/4)-1,5		**3038943**	10
ATP-ST QUATTRO		**3030815**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



4 (6) mm², 40 A, feed-through terminal block, 4 connections

Ex: KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**87**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
40[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
32[1]) / 4	30 / -	30 / -	28.5 / 4 // 34.5 / 6
4	-	-	4
28 - 10	28-10	28-10	28 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
			0.5 - 1
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-QUATTRO		**3031445**	50
ST 4-QUATTRO BU		**3031458**	50

Accessories[2])

D-ST 4-QUATTRO		**3030527**	50
DS-ST 4		**3036615**	10
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
RB ST (2,5/4)-1,5		**3038943**	10
ATP-ST QUATTRO		**3030815**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

ST ...-QUATTRO-U feed-through terminal blocks, 4 connections, with split power rail



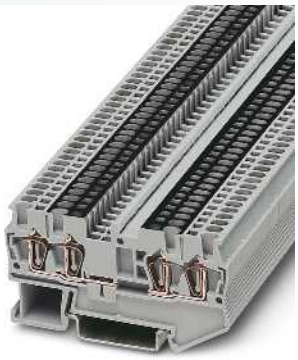
- These four-conductor spring-cage terminal blocks are characterized by the interrupted power rail in the terminal center.
- This produces two feed-through terminal blocks on one level where one side of the terminal block can be bridged using FBS ... plug-in bridges.
- Double marker carriers can be used for clear marking of the feed-through levels.

Notes:

For suitable double marker carriers, see page 484.

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) The reducing bridge table should be followed, see page 476.



1.5 (1.5) mm², 17.5 A, feed-through terminal block, 4 connections, with split power rail

Technical data

Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]			
	4.2	**72**	**36.5**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	17.5[1])	**500**	**0.08 - 1.5**	**28 - 16**
Rated data	IEC 60947-7-1			
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	300	-	-
Nominal current / cross section [A] / [mm²]	17.5[1]) / 1.5	15 / -	-	-
Rated cross section [mm²]	1.5	-	-	-
Cross section range AWG	28 - 16	26-14	-	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with interrupted current bar, bridgeable on one side, for mounting on NS 35...		gray	**ST 1,5-QUATTRO-U**		**3038600**	50

Accessories

Cover, width 2.2 mm		gray	**D-ST 2,5-QUATTRO**		**3030514**	50
Cover, 0.8 mm width		orange	**D-ST 2,5-QUATTRO-0,8 OG**		**3030513**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray	**DS-ST 2,5**		**3036602**	10
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 1,5/0,2**		**3206131**	50
0.25 - 0.5 mm²		gray	**ISH 1,5/0,5**		**3031034**	50
0.75 - 1 mm²		black				
Plug-in bridge						
	2	red	**FBS 2-4**	17.5 A	**3030116**	50
	3	red	**FBS 3-4**	17.5 A	**3030129**	50
	4	red	**FBS 4-4**	17.5 A	**3030132**	50
	5	red	**FBS 5-4**	17.5 A	**3030145**	50
	10	red	**FBS 10-4**	17.5 A	**3030158**	10
	20	red	**FBS 20-4**	17.5 A	**3030352**	10
Reducing bridge[2])						
	2	red				
Partition plate, 2 mm width		gray	**ATP-ST QUATTRO**		**3030815**	50
Test plug metal part, 2.3 mm Ø						
Insulating sleeve, for MPS metal part		red				
Modular test plug, for the individual assembly of test plug strips		red	**PS-4**		**3030970**	10
Warning cover, for ST series		yellow	**WST 1,5**		**3030958**	50
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10

Center groove labeling	**UC-TM 4, UCT-TM 4 or ZB 4 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 4, UCT-TMF 4 or ZBF 4 (see Catalog 5)**



2.5 (4) mm², 28 A, feed-through terminal block, 4 connections, with split power rail

Technical data

Width	Length	Height NS 35/7,5	
5.2	**72**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
28[1])	**800**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
22[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO-U		**3031636**	50

Accessories

D-ST 2,5-QUATTRO		**3030514**	50
D-ST 2,5-QUATTRO-0,8 OG		**3030513**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
RB ST (2,5/4)-1,5		**3038943**	10
ATP-ST QUATTRO		**3030815**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



4 (6) mm², 37 A, feed-through terminal block, 4 connections, with split power rail

Ex:

Technical data

Width	Length	Height NS 35/7,5	
6.2	**87**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
37[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	-	-
28[1]) / 4	30 / -	-	-
4	-	-	-
28 - 10	28-10	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-QUATTRO-U		**3038639**	50

Accessories

D-ST 4-QUATTRO		**3030527**	50
DS-ST 4		**3036615**	10
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
RB ST (2,5/4)-1,5		**3038943**	10
ATP-ST QUATTRO		**3030815**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

ST ...-QUATTRO-PE ground terminal blocks with 4 connections

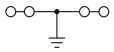


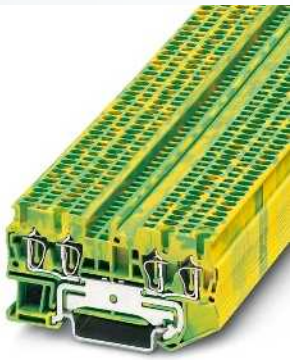
- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- ST ...-QUATTRO−PE fulfill all requirements of the IEC 60947−7−2 standard These are in particular:
- Low contact resistance
- Corrosion-proof terminal points
- Green-yellow housing
- Additional options for marking

Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.





1.5 (1.5) mm², ground terminal block, 4 connections

Ex:

KEMA 01ATEX2129 U / IECEx KEM 06.0043U

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**4.2**	**72**	**36.5**
Max. electrical data				max. Ø [mm²] / AWG
				0.08 - 1.5 / **28 - 16**
Rated data		IEC 60947-7-2		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	1.5	-	- / 1.5
Cross section range	AWG	28 - 16	26-14	26-14 / 28 - 16
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5 / 0.14 - 1.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

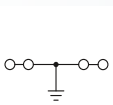
Ordering data

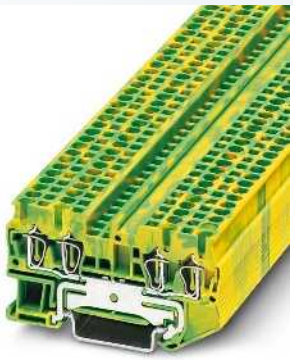
Description	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...	green-yellow	**ST 1,5-QUATTRO-PE**	**3031209**	50

Accessories[1])

Cover, width 2.2 mm	gray	**D-ST 2,5-QUATTRO**	**3030514**	50
Cover, 0.8 mm width	orange	**D-ST 2,5-QUATTRO-0,8 OG**	**3030513**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned	gray	**DS-ST 2,5**	**3036602**	10
Insulation stop sleeve, cross section range:				
0.08 - 0.2 mm²	white	**ISH 1,5/0,2**	**3206131**	50
0.25 - 0.5 mm²	gray	**ISH 1,5/0,5**	**3031034**	50
0.75 - 1 mm²	black			
Warning cover, for ST series	yellow	**WST 1,5**	**3030958**	50
Screwdriver		**SZF 0-0,4X2,5**	**1204504**	10

Center groove labeling	**UC-TM 4, UCT-TM 4 or ZB 4 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 4, UCT-TMF 4 or ZBF 4 (see Catalog 5)**





2.5 (4) mm², ground terminal block, 4 connections

Ex:

KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**72**	**36.5**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

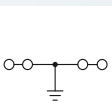
Ordering data

Type	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO-PE	**3031322**	50

Accessories[1])

D-ST 2,5-QUATTRO	**3030514**	50
D-ST 2,5-QUATTRO-0,8 OG	**3030513**	50
DS-ST 2,5	**3036602**	10
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
WST 2,5	**3030941**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)





4 (6) mm², ground terminal block, 4 connections

Ex:

KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**87**	**36.5**	
		max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	4
28 - 10	28-10	28-10	28 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
ST 4-QUATTRO-PE	**3031461**	50

Accessories[1])

D-ST 4-QUATTRO	**3030527**	50
DS-ST 4	**3036615**	10
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

STTB ... double-level terminal blocks



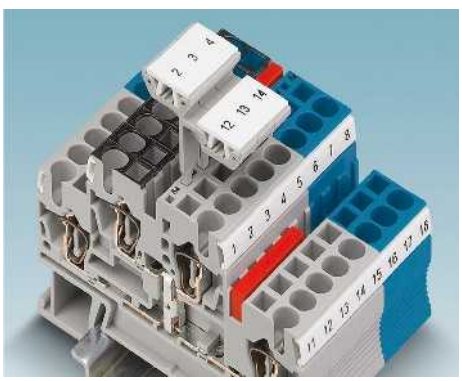
- Compact design for maximum space saving
- Design width of 4.2 mm, 5.2 mm or 6.2 mm
- Integrated labeling areas on every terminal point
- Optional, large labeling option using STP... double marker carriers

STTB ...-PV potential distributor terminals

- With the **STTB ...-PV** double-level spring-cage terminal block version, both levels are interconnected
- Equipotential bonding is marked by an imprint on the terminal housing

STP ... double marker carriers

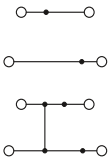
- Optional, large labeling option using STP... double marker carriers, see figure below



Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) For installation notes on the use of accessories for Ex e applications, see page 710.





1.5 (1.5) mm², 17.5 A, double-level terminal block

Ex:

KEMA 01ATEX2129 U / IECEx KEM 06.0043U

Technical data

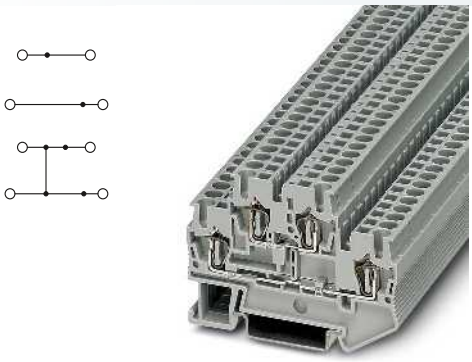
Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]	**4.2**	**67.5**	**47.5**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	17.5	**500**	**0.08 - 1.5**	**28 - 16**
Rated data	IEC 60947-7-1			Ex
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	300	300	440
Nominal current / cross section [A] / [mm²]	17.5 / 1.5	15 / -	15 / -	15 / 1.5 // 15 / 1.5
Rated cross section [mm²]	1.5	-	-	1.5
Cross section range AWG	28 - 16	26-14	26-14	28 - 16
Connection capacity	solid	stranded	Ferrule	
			Without / with plastic sleeve	
1 conductor [mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**STTB 1,5**		**3031157**	50
		blue	**STTB 1,5 BU**		**3031160**	50
Terminal block, with equipotential bonding between the levels, for mounting on NS 35...[1])		gray	**STTB 1,5-PV**		**3031526**	50
		blue				

Accessories[2])

Cover, width 2.2 mm		gray	**D-STTB 2,5**		**3030459**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 1,5/0,2**		**3206131**	50
0.25 - 0.5 mm²		gray	**ISH 1,5/0,5**		**3031034**	50
0.75 - 1 mm²		black				
Plug-in bridge						
	2	red	**FBS 2-4**	15 A	**3030116**	50
	3	red	**FBS 3-4**	15 A	**3030129**	50
	4	red	**FBS 4-4**	15 A	**3030132**	50
	5	red	**FBS 5-4**	15 A	**3030145**	50
	10	red	**FBS 10-4**	15 A	**3030158**	10
	20	red	**FBS 20-4**	15 A	**3030352**	10
Partition plate, 2 mm width		gray	**ATP-STTB 4**		**3030747**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4**		**3030925**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-4**		**3030970**	10
Double marker carrier, can be snapped into STTB 1,5, PTTB 1,5 double-level terminal blocks can be labeled with UC-TM 4, ZB 4 or UC-TMF 4, ZBF 4		gray	**STP 4-2**		**0810575**	100
Warning cover, for ST series		yellow	**WST 1,5**		**3030958**	50
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10
Lateral groove labeling			**UC-TMF 4, UCT-TMF 4 or ZBF 4 (see Catalog 5)**			



2.5 (4) mm², 26 A, double-level terminal block

Ex: KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**67.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26	**500**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	300	440
22 / 2.5	20 / -	20 / -	19.5 / 2.5 // 23.5 / 4
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.25 - 2.5	0.25 - 2.5
			0.5
10			
PA			
V0			

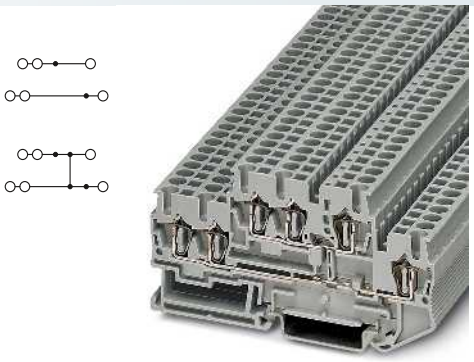
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5		**3031270**	50
STTB 2,5 BU		**3031283**	50
STTB 2,5-PV		**3031539**	50
STTB 2,5-PV BU		**3035108**	50

Accessories[2])

D-STTB 2,5		**3030459**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
PAI-4-N GY		**3032871**	10
PS-5		**3030983**	10
STP 5-2		**0800967**	100
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



2.5 (4) mm², 26 A, feed-through terminal block, 3 connections per level

KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**91.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	300	-
22[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

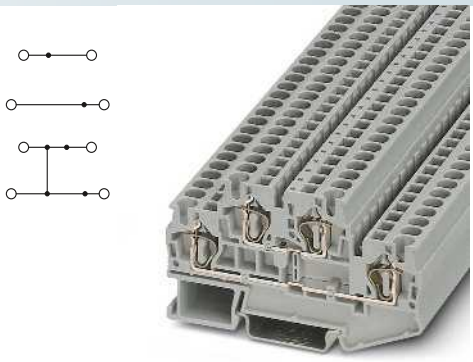
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5-TWIN		**3038516**	50
STTB 2,5-TWIN BU		**3038529**	50
STTB 2,5-TWIN-PV		**3038545**	50

Accessories[2])

D-STTB 2,5-TWIN		**3038558**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
PAI-4-N GY		**3032871**	10
PS-5		**3030983**	10
STP 5-2		**0800967**	100
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



4 (6) mm², 32 A, double-level terminal block

Ex: KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**83.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**500**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	300	440
30 / 4	30 / -	30 / -	26.5 / 4 // 30 / 6
4	-	-	4
28 - 10	28-10	28-10	28 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
			0.5 - 1
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 4		**3031429**	50
STTB 4 BU		**3031432**	50
STTB 4-PV		**3031542**	50

Accessories[2])

D-STTB 4		**3030462**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	26 A	**3030336**	50
FBS 3-6	26 A	**3030242**	50
FBS 4-6	26 A	**3030255**	50
FBS 5-6	26 A	**3030349**	50
FBS 10-6	26 A	**3030271**	10
FBS 20-6	26 A	**3030365**	10
ATP-STTB 4		**3030747**	50
PAI-4-N GY		**3032871**	10
PS-6		**3030996**	10
STP 5-2		**0800967**	100
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

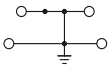
STTB ... -PE double-level ground terminal blocks

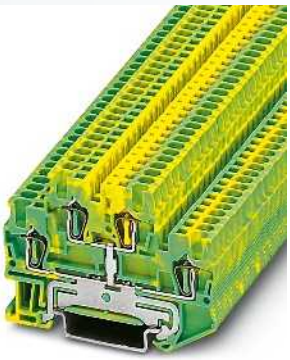
- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- STTB ...−PE fulfill all requirements of the IEC 60947−7−2 standard
  These are in particular:
- Low contact resistance
- Corrosion-proof terminal points
- Green-yellow housing
- Additional options for marking

Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.





1.5 (1.5) mm², double-level ground terminal block

Ex:

KEMA 01ATEX2129 U / IECEx KEM 06.0043U

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**4.2**	**67.5**	**47.5**
Max. electrical data				max. Ø [mm²] / AWG
				0.08 - 1.5 / **28 - 16**
		IEC 60947-7-2		
Rated data		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	1.5	-	- / 1.5
Cross section range	AWG	28 - 16	26-14	26-14 / 28 - 16
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5 / 0.14 - 1.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

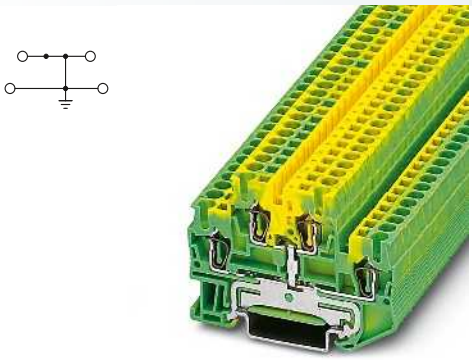
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**STTB 1,5-PE**	**3036013**	50

Accessories[1])

Cover, width 2.2 mm		gray	**D-STTB 2,5**	**3030459**	50
Insulation stop sleeve, cross section range:					
0.08 - 0.2 mm²		white	**ISH 1,5/0,2**	**3206131**	50
0.25 - 0.5 mm²		gray	**ISH 1,5/0,5**	**3031034**	50
0.75 - 1 mm²		black			
Plug-in bridge					
	2	red	**FBS 2-4**	**3030116**	50
	3	red	**FBS 3-4**	**3030129**	50
	4	red	**FBS 4-4**	**3030132**	50
	5	red	**FBS 5-4**	**3030145**	50
	10	red	**FBS 10-4**	**3030158**	10
	20	red	**FBS 20-4**	**3030352**	10
Partition plate, 2 mm width		gray	**ATP-STTB 4**	**3030747**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4**	**3030925**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-4**	**3030970**	10
Double marker carrier, can be snapped into STTB 1,5, PTTB 1,5 double-level terminal blocks can be labeled with UC-TM 4, ZB 4 or UC-TMF 4, ZBF 4		gray	**STP 4-2**	**0810575**	100
Warning cover, for ST series		yellow	**WST 1,5**	**3030958**	50
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10

Lateral groove labeling	**UC-TMF 4, UCT-TMF 4 or ZBF 4 (see Catalog 5)**



2.5 (4) mm², double-level ground terminal block

Ex:
KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**67.5**	**47.5**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

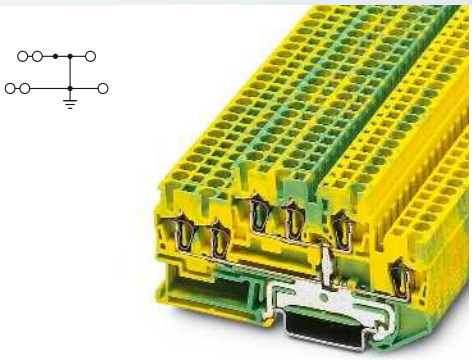
Ordering data

Type	Order No.	Pcs. / Pkt.
STTB 2,5-PE	**3036026**	50

Accessories[1])

D-STTB 2,5	**3030459**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-STTB 4	**3030747**	50
PAI-4-N GY	**3032871**	10
PS-5	**3030983**	10
STP 5-2	**0800967**	100
WST 2,5	**3030941**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



2.5 (4) mm² double-level terminal block, 3 connections per level, with PE foot

Technical data

Width	Length	Height NS 35/7,5	
5.2	**91.5**	**47.5**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

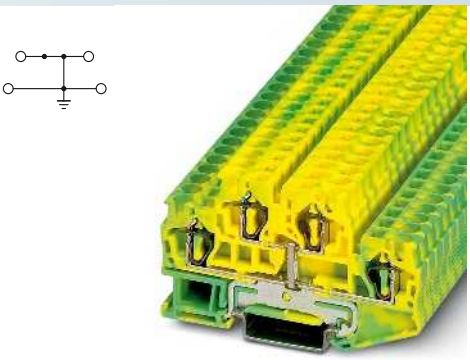
Ordering data

Type	Order No.	Pcs. / Pkt.
STTB 2,5-TWIN-PE	**3038532**	50

Accessories[1])

D-STTB 2,5-TWIN	**3038558**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-STTB 4	**3030747**	50
PAI-4-N GY	**3032871**	10
PS-5	**3030983**	10
STP 5-2	**0800967**	100
WST 2,5	**3030941**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



4 (6) mm², double-level ground terminal block

Ex:
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**83.5**	**47.5**	
		max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	4
28 - 10	28-10	28-10	28 - 10
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
STTB 4-PE	**3036039**	50

Accessories[1])

D-STTB 4	**3030462**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-STTB 4	**3030747**	50
PAI-4-N GY	**3032871**	10
PS-6	**3030996**	10
STP 5-2	**0800967**	100
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

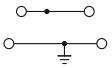
STTB 2,5 ... double-level terminal blocks



- These mixed versions combine the benefits of two-level feed-through terminal blocks and ground terminal blocks of the same shape
- The ...PE/L and ...PE/N terminal block types feature ground conductor contact with the DIN rail in the lower level, while the upper level is designed as a feed-through level
- The color coding of the PE and N levels helps to produce clear and unambiguous potential distribution

Notes:

For current carrying capacity of DIN rails, see page 716.





2.5 (4) mm², 32 A, double-level ground terminal block

Technical data

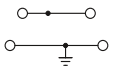
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**67.5**	**47.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		32	**500**	**0.08 - 4** / **28 - 12**
Rated data		IEC 60947-7-1 / IEC 60947-7-2		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	300	300 / -
Nominal current / cross section	[A] / [mm²]	22 / 2.5	20 / -	20 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	28 - 12	28-12	28-12 / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**STTB 2,5-PE/L**		**3036314**	50

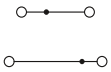
Accessories

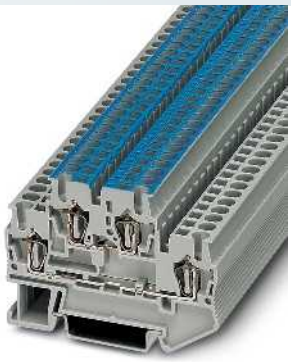
Cover, width 2.2 mm		gray	**D-STTB 2,5**		**3030459**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	20 A	**3030161**	50
	3	red	**FBS 3-5**	20 A	**3030174**	50
	4	red	**FBS 4-5**	20 A	**3030187**	50
	5	red	**FBS 5-5**	20 A	**3030190**	50
	10	red	**FBS 10-5**	20 A	**3030213**	10
	20	red	**FBS 20-5**	20 A	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-STTB 4**		**3030747**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Double marker carrier, can be snapped into STTB 2,5, STTB 4, PTTB 2,5 PTTB 4 double-level terminal blocks, can be labeled with UC-TM 5, ZB 5 or UC-TMF 5, ZBF 5		gray	**STP 5-2**		**0800967**	100
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			





2.5 (4) mm², 32 A, double-level ground terminal block





2.5 (4) mm², 26 A, double-level terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	**67.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**500**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
22 / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5-PE/N		**3036327**	50

Accessories

D-STTB 2,5		**3030459**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
PAI-4-N GY		**3032871**	10
PS-5		**3030983**	10
STP 5-2		**0800967**	100
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**67.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26	**500**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	300	-
22 / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.25 - 2.5	0.25 - 2.5 0.5
10			
PA			
V0			

Ordering data

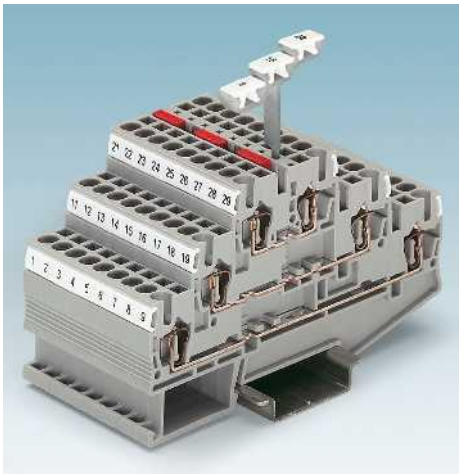
Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5-L/N		**3036330**	50

Accessories

D-STTB 2,5		**3030459**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
ATP-STTB 4		**3030747**	50
PAI-4-N GY		**3032871**	10
PS-5		**3030983**	10
STP 5-2		**0800967**	100
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

ST 2,5-3... three-level terminal blocks



- The three-level spring-cage terminal block has three feed-through levels in a 5.2 mm wide terminal housing
- High wiring density for particularly cramped switch systems
- With one bridge shaft on each level, this modular terminal block can be used as a compact potential distributor or as a sensor terminal, for example
- The ST 2,5−3PV version has six linked terminal points
- Can be labeled on every level
- The three-level range of terminal blocks is rounded off by a ground terminal block of the same shape
- Additional large-surface labeling of the three levels with STP 5-3 triple marker carrier

Notes:
For current carrying capacity of DIN rails, see page 716.
For suitable triple marker carriers, see page 484.
1) The total current of all connected conductors must not exceed the max. load current.
2) The operating voltage is determined by the LED version.





2.5 (4) mm², 28 A, three-level terminal block

Technical data

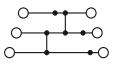
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**99.5**	**58**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		28	**500**	**0.08 - 4 / 28 - 12**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	600	300 / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	28 - 12	28-12	28-12 / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

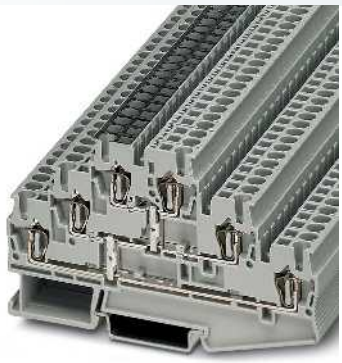
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**ST 2,5-3L**		**3036042**	50
		blue	**ST 2,5-3L BU**		**3038710**	50
Terminal block, with equipotential bonding between the levels, for mounting on NS 35...		gray				
Ground terminal block, for mounting on NS 35...		green-yellow				
Terminal block, with LED for 12 - 30 V DC, 0.7 - 2.4 mA		gray				

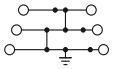
Accessories

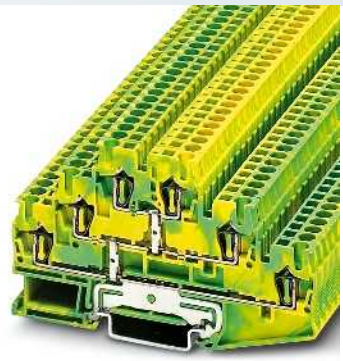
Cover, width 2.2 mm		gray	**D-ST 2,5-3L**		**3036660**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	20 A	**3030161**	50
	3	red	**FBS 3-5**	20 A	**3030174**	50
	4	red	**FBS 4-5**	20 A	**3030187**	50
	5	red	**FBS 5-5**	20 A	**3030190**	50
	10	red	**FBS 10-5**	20 A	**3030213**	10
	20	red	**FBS 20-5**	20 A	**3030226**	10
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Three-compartment marker carrier, can be snapped into ST 2,5-3... and PT 2,5-3... three-level terminal blocks, can be labeled with UC-TMF 5 and ZBF 5 or ...TM 5 and ZB 5		gray	**STP 5-3**		**0810562**	100
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			





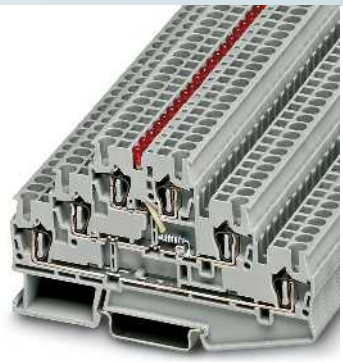
2.5 (4) mm², 28 A, three-level terminal block, internally connected levels





2.5 (4) mm², ground terminal block, 6 connections





2.5 (4) mm², 28 A, three-level terminal block with LED

Technical data

Width	Length	Height NS 35/7,5	
5.2	**99.5**	**58**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
28[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	300	-
20[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-3PV		**3036068**	50

Accessories

D-ST 2,5-3L		**3036660**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
PAI-4-N GY		**3032871**	10
PS-5		**3030983**	10
STP 5-3		**0810562**	100
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**99.5**	**58**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
ST 2,5-3PE	**3036071**	50

Accessories

D-ST 2,5-3L		**3036660**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
PAI-4-N GY		**3032871**	10
PS-5		**3030983**	10
STP 5-3		**0810562**	100
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**99.5**	**58**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
28	**500[2])**	**0.08 - 4**	**28 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500[2])	-	-	-
20 / 2.5	- / -	-	-
2.5	-	-	-
28 - 12	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-3L-LA 24RD/O-M		**3035580**	50

Accessories

D-ST 2,5-3L		**3036660**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
PAI-4-N GY		**3032871**	10
PS-5		**3030983**	10
STP 5-3		**0810562**	100
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

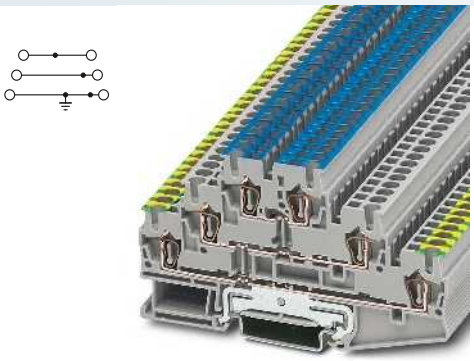
ST 2,5... three-level terminal blocks

– The color coding of the PE and N levels helps to produce clear and unambiguous potential distribution

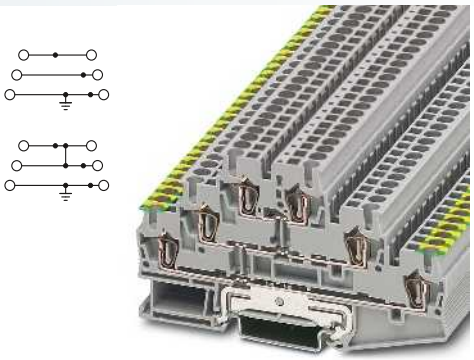
Notes:

For current carrying capacity of DIN rails, see page 716.

1) The total current of all connected conductors must not exceed the max. load current.



2.5 (4) mm², 28 A, three-level terminal block with PE foot



2.5 (4) mm², 28 A, three-level terminal block with PE foot

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**5.2**	**99.5**	**58**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	28	**500**	**0.08 - 4**	**28 - 12**
Rated data	IEC 60947-7-1 / IEC 60947-7-2			
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	300	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	-
Rated cross section [mm²]	2.5	-	-	-
Cross section range AWG	28 - 12	28-12	28-12	-
Connection capacity	solid	stranded	Ferrule	
			Without / with plastic sleeve	
1 conductor [mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**ST 2,5-PE/L/N**		**3036084**	50
Terminal block, with equipotential bonding between the levels, for mounting on NS 35...1)		gray				

Accessories

Cover, width 2.2 mm		gray	**D-ST 2,5-3L**		**3036660**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	22 A	**3030161**	50
	3	red	**FBS 3-5**	22 A	**3030174**	50
	4	red	**FBS 4-5**	22 A	**3030187**	50
	5	red	**FBS 5-5**	22 A	**3030190**	50
	10	red	**FBS 10-5**	22 A	**3030213**	10
	20	red	**FBS 20-5**	22 A	**3030226**	10
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Three-compartment marker carrier, can be snapped into ST 2,5-3... and PT 2,5-3... three-level terminal blocks, can be labeled with UC-TMF 5 and ZBF 5 or ...TM 5 and ZB 5		gray	**STP 5-3**		**0810562**	100
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			

Technical data

Width	Length	Height NS 35/7,5		
5.2	**99.5**	**58**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
28	**500**	**0.08 - 4**	**28 - 12**	
IEC 60947-7-1 / IEC 60947-7-2				
IEC	UL/CUL	CSA	IEC/ EN 60079-7	
500	600	300	-	
24 / 2.5	20 / -	20 / -	-	
2.5	-	-	-	
28 - 12	28-12	28-12	-	
solid	stranded	Ferrule		
		Without / with plastic sleeve		
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	
			0.5	
10				
PA				
V0				

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-PE/L/L		**3036097**	50
ST 2,5-PE/2PV		**3038833**	50

Accessories

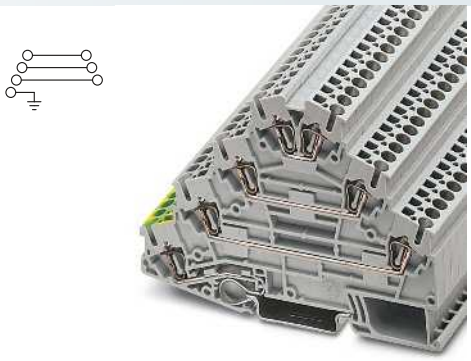
D-ST 2,5-3L		**3036660**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	22 A	**3030161**	50
FBS 3-5	22 A	**3030174**	50
FBS 4-5	22 A	**3030187**	50
FBS 5-5	22 A	**3030190**	50
FBS 10-5	22 A	**3030213**	10
FBS 20-5	22 A	**3030226**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
STP 5-3		**0810562**	100
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)			

ST ...-PE/3L four-level terminal blocks with PE foot

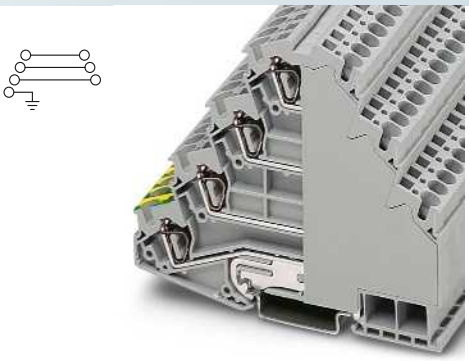
– These four-level terminal blocks are particularly suitable for the compact wiring of three-phase loads
– Each terminal point can be labeled
– Testing facility for test plugs with 2.3 mm diameter

Notes:

For current carrying capacity of DIN rails, see page 716.



2.5 (4) mm², 26 A, four-level terminal block with PE foot



4 (6) mm², 32 A, four-level terminal block with PE foot

Technical data

		Width	Length	Height NS 35/7,5	
Dimensions					
	[mm]	**5.2**	**98.5**	**73.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		26	**800**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 / IEC 60947-7-2			
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	28-12	28-12	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...	gray	**ST 2,5-PE/3L**	**3036055**	50

Accessories

Cover, width 2.2 mm	gray	**D-ST 2,5-PE/3L**	**3036673**	50
Test plug metal part, 2.3 mm Ø		**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10
Center groove labeling		**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**		
Center and lateral groove labeling		**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		

Technical data

		Width	Length	Height NS 35/7,5	
Dimensions					
	[mm]	**6.2**	**101**	**83.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		32	**800**	**0.08 - 6**	**28 - 10**
Rated data		IEC 60947-7-1 / IEC 60947-7-2			
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	28 / 4	30 / -	30 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	28 - 10	28-10	28-10	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

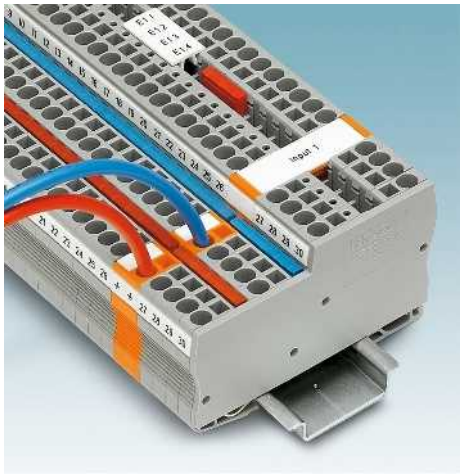
Ordering data

Type	Order No.	Pcs. / Pkt.
ST 4-PE/3L	**3038338**	50

Accessories

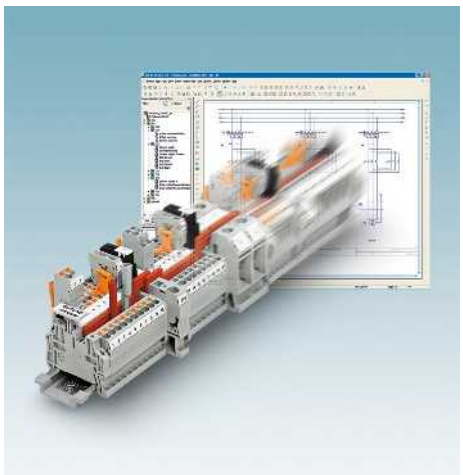
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
SZF 1-0,6X3,5	**1204517**	10
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)		
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)		

STIO 2,5/3 three-conductor initiator/actuator terminal block

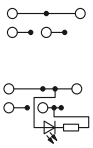


- For wiring three-conductor initiators and actuators in a space-saving and time-saving way
- The upper level is for signal wiring, whereas the two lower levels are for distributing the positive and negative potential
- Potential is supplied via STIO-IN power terminal blocks
- Power terminal blocks can be set at any desired point of the terminal strip for supply or extension
- Simple bridging and potential distribution using the patented plug-in bridges of the CLIPLINE complete system
- Three-conductor output terminal block of the same shape with PE connection in the lower level for wiring actuators
- Versions with light indicator for indicating the switching states

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



Notes:
For current carrying capacity of DIN rails, see page 716.
For other color versions of the plug-in bridge, see page 473.
1) In the case of central power feed.





2.5 (4) mm², 18 A, three-conductor initiator terminal block

Technical data

Dimensions			
Width	Length	Height NS 35/7,5	
5.2	**75**	**44.5**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
18	**250**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1	
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	250	300	-	-
Nominal current / cross section [A] / [mm²]	18 / 2.5	18 / -	-	-
Rated cross section [mm²]	2.5	-	-	-
Cross section range AWG	28 - 12	28-12	-	-
Connection capacity	solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor [mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class according to UL 94	V0			

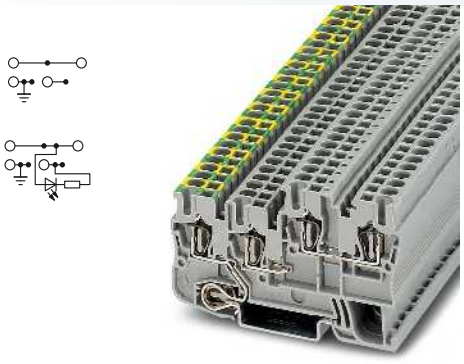
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**STIO 2,5/3-2B/L**		**3209015**	50
With red light indicator for 15-30 V DC, 1-2.5 mA, LED between the upper and the lower levels		gray	**STIO 2,5/3-2B/L-LA24RD/O-M**		**3209028**	50
With green light indicator for 15-30 V DC, 1-2.5 mA, LED between the upper and the lower levels		gray	**STIO 2,5/3-2B/L-LA24GN/O-M**		**3209031**	50
Terminal block, with PE connection, for mounting on NS 35...		gray				
With red light indicator for 15-30 V DC, 1-2.5 mA, LED between the upper and the lower levels		gray				
With green light indicator for 15-30 V DC, 1-2.5 mA, LED between the upper and the lower levels		gray				
Power terminal block		orange				
Power terminal block with PE connection		orange				

Accessories

Cover, width 2.2 mm		gray	**D-STIO 2,5/3**		**3209112**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	20 A	**3030161**	50
	3	red	**FBS 3-5**	20 A	**3030174**	50
	4	red	**FBS 4-5**	20 A	**3030187**	50
	5	red	**FBS 5-5**	20 A	**3030190**	50
	10	red	**FBS 10-5**	20 A	**3030213**	10
	20	red	**FBS 20-5**	20 A	**3030226**	10
	50	red	**FBS 50-5**	20 A	**3038930**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10

Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



2.5 (4) mm², 18 A, three-wire actuator terminal block with PE foot



2.5 (4) mm², 30 A, power terminal block



2.5 (4) mm², 30 A, power terminal block with PE foot

Technical data

Width	Length	Height NS 35/7,5	
5.2	**75**	**44.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
18	**250**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	300	-	-
18 / 2.5	18 / -	-	-
2.5	-	-	-
28 - 12	28-12	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
10.4	**75**	**44.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	**250**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	300	-	-
18 / 2.5	20 / -	-	-
2.5	-	-	-
28 - 12	28-12	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
10.4	**75**	**44.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	**250**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	300	-	-
18 / 2.5	20 / -	-	-
2.5	-	-	-
28 - 12	28-12	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STIO 2,5/3-PE/B/L		**3209044**	50
STIO 2,5/3-PE/B/L-LA24RD/O-M		**3209138**	50
STIO 2,5/3-PE/B/L-LA24GN/O-M		**3209141**	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STIO-IN 2,5/3 OG		**3209196**	25

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STIO-IN 2,5/3-PE OG		**3209086**	25

Accessories

D-STIO 2,5/3		**3209112**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3038226**	10
FBS 50-5	20 A	**3038930**	10
PS-5		**3030983**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Accessories

ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
FBS 50-5	20 A	**3038930**	10
PS-5		**3030983**	10

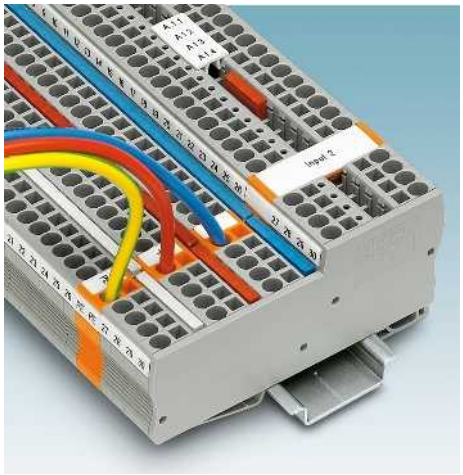
UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Accessories

ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
FBS 50-5	20 A	**3038930**	10
PS-5		**3030983**	10

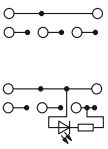
UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

STIO 2,5/4... four-conductor initiator/actuator terminal block



- For wiring four-conductor initiators and actuators in a space-saving and time-saving way
- Upper level for signal wiring
- Additional protective conductor connection in lower level next to voltage levels
- Direct contacting on the DIN rail, visually clear labeling of PE terminal point
- Positive, negative or PE supply via STIO-IN power terminal blocks
- Lateral or central supply, existing structures can be extended later
- Lateral potential distribution by means of FBS ... plug-in bridges from the CLIPLINE complete system, individual terminal points can be jumped by releasing contact pins
- Versions with light indicator for indicating the switching states

Notes:
For current carrying capacity of DIN rails, see page 716.
For other color versions of the plug-in bridge, see page 473.
1) In the case of central power feed.





2.5 (4) mm², 18 A, four-conductor initiator terminal block

Technical data

Dimensions			
Width	Length	Height NS 35/7,5	
5.2	**92.3**	**44.5**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
18	**250**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1	
IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	250	300	-	-
Nominal current / cross section [A] / [mm²]	18 / 2.5	18 / -	-	-
Rated cross section [mm²]	2.5	-	-	-
Cross section range AWG	28 - 12	28-12	-	-
Connection capacity	solid	stranded	Ferrule	
			Without / with plastic sleeve	
1 conductor [mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class according to UL 94	V0			

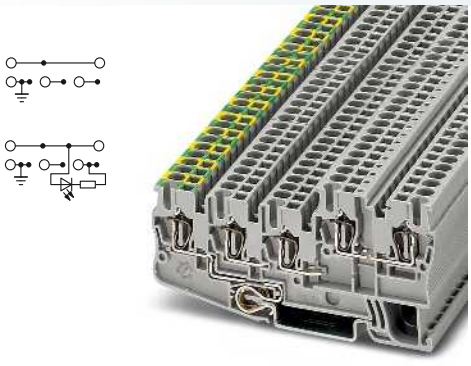
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**STIO 2,5/4-3B/L**		**3209057**	50
With red light indicator for 15-30 V DC, 1-2.5 mA, LED between the upper and the lower levels		gray	**STIO 2,5/4-3B/L-LA24RD/O-M**		**3209154**	50
With green light indicator for 15-30 V DC, 1-2.5 mA, LED between the upper and the lower levels		gray	**STIO 2,5/4-3B/L-LA24GN/O-M**		**3209167**	50
Terminal block, with PE connection, for mounting on NS 35...		gray				
With red light indicator for 15-30 V DC, 1-2.5 mA, LED between the upper and the lower levels		gray				
With green light indicator for 15-30 V DC, 1-2.5 mA, LED between the upper and the lower levels		gray				
Power terminal block		orange				
Power terminal block with PE connection		orange				

Accessories

Cover, width 2.2 mm		gray	**D-STIO 2,5/4**		**3209125**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	20 A	**3030161**	50
	3	red	**FBS 3-5**	20 A	**3030174**	50
	4	red	**FBS 4-5**	20 A	**3030187**	50
	5	red	**FBS 5-5**	20 A	**3030190**	50
	10	red	**FBS 10-5**	20 A	**3030213**	10
	20	red	**FBS 20-5**	20 A	**3030226**	10
	50	red	**FBS 50-5**	20 A	**3038930**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10

Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



2.5 (4) mm², 18 A, four-wire actuator terminal block with PE foot



2.5 (4) mm², 30 A, power terminal block



2.5 (4) mm², 30 A, power terminal block with PE foot

Technical data

Width	Length	Height NS 35/7,5	
5.2	**92.3**	**44.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
18	**250**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	300	-	-
18 / 2.5	18 / -	-	-
2.5	-	-	-
28 - 12	28-12	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
10.4	**92.3**	**44.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	**250**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	300	-	-
18 / 2.5	20 / -	-	-
2.5	-	-	-
28 - 12	28-12	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
10.4	**92.3**	**44.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	**250**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	300	-	-
18 / 2.5	20 / -	-	-
2.5	-	-	-
28 - 12	28-12	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STIO 2,5/4-PE/2B/L		**3209060**	50
STIO 2,5/4-PE/2B/L-LA24RD/O-M		**3209170**	50
STIO 2,5/4-PE/2B/L-LA24GN/O-M		**3209183**	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STIO-IN 2,5/4 OG		**3209206**	25

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STIO-IN 2,5/4-PE OG		**3209109**	25

Accessories

D-STIO 2,5/4		**3209125**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
FBS 50-5	20 A	**3038930**	10
PS-5		**3030983**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Accessories

ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
FBS 50-5	20 A	**3038930**	10
PS-5		**3030983**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Accessories

ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	20 A	**3030161**	50
FBS 3-5	20 A	**3030174**	50
FBS 4-5	20 A	**3030187**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
FBS 20-5	20 A	**3030226**	10
FBS 50-5	20 A	**3038930**	10
PS-5		**3030983**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

ZPV 1,5/2,5 (8/1) potential distributor



- Actuators and active initiators are supplied with operating voltage in a clear and easy way
- The operating voltage is supplied via a 2.5 mm² spring-cage connection and distributed using eight 1.5 mm² connections
- They are mainly used in small switch cabinets with compact controllers

Notes:

[1]) Power supply



2.5 (4) mm², 24 A, potential distributor terminal block, 8 x 1.5 mm² outlets

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**141**	**51**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		24[1])	**500**	**0.14 - 4 / 24 - 12**
Rated data, feed		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	300	- / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	- / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	24 - 12	24-10	- / -
Supply connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.14 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Rated data, distribution		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	300	- / -
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	- / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	26 - 16	-	- / -
Distribution connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Potential distributor, for mounting on NS 35...		gray	**ZPV 1,5/2,5 (8/1)**		**3031047**	50

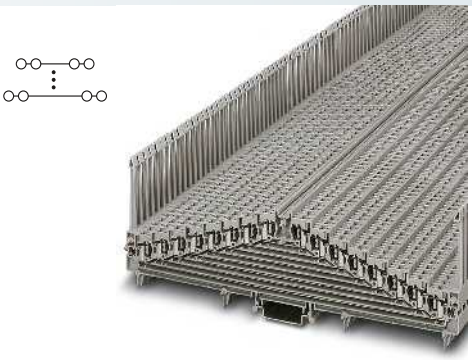
Accessories

Cover, width 2 mm		gray	**D-ZPV 1,5/2,5 (8/1)**		**3031050**	25
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 1,5/0,2**		**3206131**	50
0.25 - 0.5 mm²		gray	**ISH 1,5/0,5**		**3031034**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

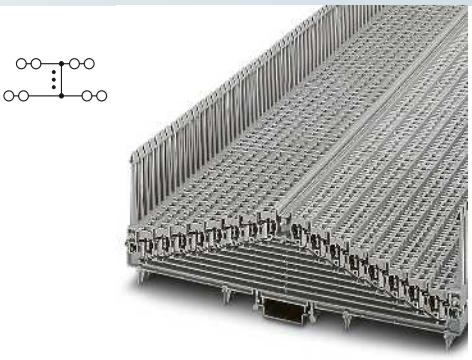
Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**

ZRV 8 ... marshalling distributors

- The spring-cage marshalling distributors offer the highest possible wiring density in restricted spaces
- The double connection allows 4 conductors to make contact with one potential, whereby 8 potentials are transferred with one terminal block
- The associated PV terminal block can be used to implement potential distributions with up to 32 connections



1 (1.5) mm², 10 A, potential distributor terminal block, 8 levels



1 (1.5) mm², 17.5 A, potential distributor terminal block, 8 internally connected levels

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**7.62**	**225**	**82**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		10	**250**	**0.14 - 1.5**	**26 - 14**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-	-	-
Nominal current / cross section	[A] / [mm²]	10 / 1	- / -	-	-
Rated cross section	[mm²]	1	-	-	-
Cross section range	AWG	26 - 14	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1	0.14 - 0.75	0.14 - 0.75
General data					
Stripping length	[mm]	8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Marshalling distributor, for mounting on NS 35...	gray	**ZRV 8**	**3025956**	10
	blue	**ZRV 8 BU**	**3029318**	10
Marshalling distributor, with equipotential bonding between the levels, for mounting on NS 35...	gray			
	blue			

Accessories

Connection element, 7.62 mm wide, can be labeled on each level with ZB 7,62	gray	**D-ZRV 8**	**3024766**	10
	blue	**D-ZRV 8 BU**	**3029334**	10
Loop bridge, 50-pos., divisible, max. bridging distance 60 mm, 0.5 mm²				
	blue	**DB 50- 90 BU**	**2821180**	1
	black	**DB 50- 90 BK**	**2820916**	1
	gray	**DB 50- 90 GY**	**2820929**	1
Clamp set, for holding together RV blocks, for 80 marshalling distributors		**RV 8-SPSA**	**3193011**	1
Screwdriver		**SZF 0-0,4X2,5**	**1204504**	10
Center groove labeling		**ZB 7,62 (see Catalog 5)**		

Technical data

		Width	Length	Height NS 35/7,5	
		7.62	**225**	**82**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		17.5	**250**	**0.14 - 1.5**	**26 - 14**
		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
		250	-	-	-
		17.5 / 1	- / -	-	-
		1	-	-	-
		26 - 14	-	-	-
		solid	stranded	Ferrule Without / with plastic sleeve	
		0.14 - 1.5	0.14 - 1	0.14 - 0.75	0.14 - 0.75
		8			
		PA			
		V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
ZRV 8-PV	**3026007**	10
ZRV 8-PV BU	**3029321**	10

Accessories

D-ZRV 8	**3024766**	10
D-ZRV 8 BU	**3029334**	10
RV 8-SPSA	**3193011**	1
SZF 0-0,4X2,5	**1204504**	10
ZB 7,62 (see Catalog 5)		

ST ...-HESI/-HEDI lever-type fuse and disconnect terminal blocks





The lever-type fuse terminal blocks are characterized by:
– An extremely compact design
– Two function shafts mean that all potential distribution tasks can be undertaken at speed
– For example, jumping bridging can be used to route two separate potentials side by side
– Test connection on both sides in safety lever
– Versions with light indicator for indicating that a fuse has blown round off the range

The lever-type disconnect terminal block has the same shape and pitch as the 5 x 20 mm lever-type fuse terminal blocks and enables:
– A design to suit the function
– Continuous labeling of terminal points
– The dual function shaft allows two potentials running in parallel to be jumped separately
– Time-saving way of setting up potential infeed

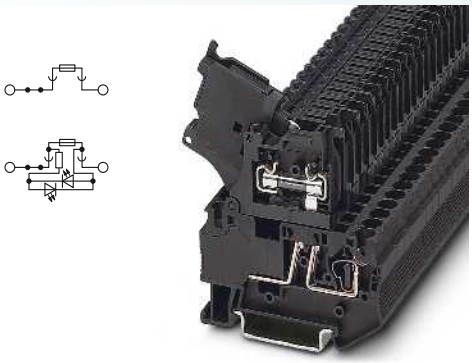
Notes:
1) If the fuse is faulty, the downstream circuit is not off load.
2) The current is determined by the fuse used, the voltage by the light indicator. Observe max. power dissipation.
3) The reducing bridge table should be followed, see page 476.
4) The current is determined by the fuse used, the voltage by the selected light indicator. Observe the maximum power dissipation, see www.phoenixcontact.net/products.

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Fuse type / dimensions	– / [mm]
Stripping length	[mm]
Insulating material	
Inflammability class according to UL 94	

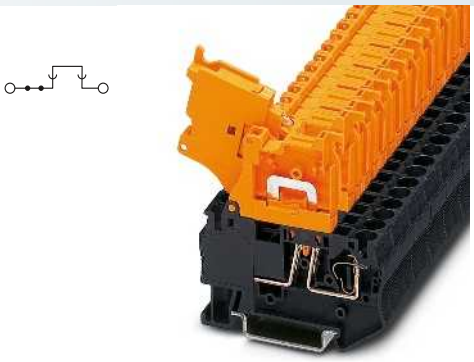
Description	No. of pos.	Color
Fuse terminal block, for mounting on NS 35..., for cartridge fuse inserts 5 x 20 mm		black
With LED for 12-30 V AC/DC, 0.31-0.95 mA[1])		black
With LED for 30-60 V AC/DC, 0.40-0.86 mA[1])		black
With LED for 110-250 V AC/DC, 0.41-0.96 mA[1])		black
Fuse terminal block, for mounting on NS 35..., for cartridge fuse inserts 6.3 x 32 mm		black
With LED for 12-30 V AC/DC, 0.31-0.95 mA[1])		black
With LED for 110-250 V AC/DC, 0.41-0.96 mA[1])		black
Disconnect terminal block, same shape as ST 4-HESI (5 x 20)		black/orange

Plug-in bridge		
	2	red
	3	red
	4	red
	5	red
	10	red
	20	red
Reducing bridge[3])		
	2	red
Partition plate, 2 mm width		gray
Connection pin, for coupling several fuse terminal blocks, made of plastic, 1 m long		gray

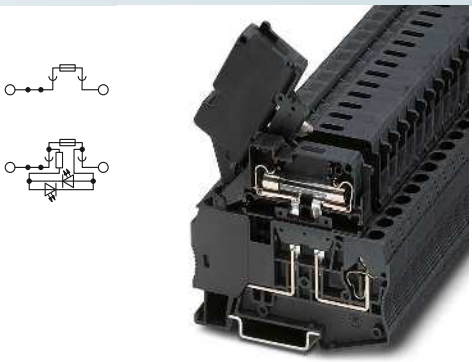
Screwdriver
Lever labeling
Lateral groove labeling



4 (6) mm², 6.3 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses



4 (6) mm², 20 A, lever-type disconnect terminal block, same shape



4 (6) mm², 10 A, lever-type fuse terminal block for 6.3 x 32 mm cartridge fuses

Technical data

Width	Length	Height NS 35/7,5	
6.2	**61.5**	**62.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
6.3[4])	**500[4])**	**0.08 - 6**	**28 - 10**
IEC 60947-7-3			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500[4])	300	300	-
6.3[2]) / 1	10 / -	6.3 / -	-
4	-	-	-
28 - 10	28-10	28-10	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
G / 5 x 20			
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-HESI (5X20)		**3036369**	50
ST 4-HESILED 24 (5X20)		**3036547**	50
ST 4-HESILED 60 (5X20)		**3036550**	50
ST 4-HESILA 250 (5X20)		**3036563**	50

Accessories

FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
RB ST (2,5/4)-1,5		**3038943**	10
ATP-ST 4		**3030721**	50
VS		**3004207**	1
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**61.5**	**62.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**500**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	-	-	-
20 / 2.5	- / -	-	-
4	-	-	-
28 - 10	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
-			
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-HEDI		**3035140**	50

Accessories

FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
RB ST (2,5/4)-1,5		**3038943**	10
ATP-ST 4		**3030721**	50
VS		**3004207**	1
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**76.5**	**69**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
10[4])	**500[4])**	**0.08 - 6**	**28 - 10**
IEC 60947-7-3			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500[4])	300	300	-
10[4]) / 1.5	15 / -	10 / -	-
4	-	-	-
28 - 10	28-10	28-10	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
G / 6,3 x 32			
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-HESI (6,3X32)		**3036385**	50
ST 4-HESILED 24 (6,3X32)		**3038765**	50
ST 4-HESILA 250 (6,3X32)		**3038778**	50

Accessories

FBS 2-8	32 A	**3030284**	10
FBS 3-8	32 A	**3030297**	10
FBS 4-8	32 A	**3030307**	10
FBS 5-8	32 A	**3030310**	10
FBS 10-8	32 A	**3030323**	10
RB ST 6-(2,5/4)		**3030860**	10
ATP-QTC TWIN		**3206212**	50
VS		**3004207**	1
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

ST 4-FSI/C... fuse terminal blocks for auto flat-type fuses



- The ST 4−FSI/C fuse terminal block accommodates flat-type fuses according to ISO/DIS 8820/DIN 72581−3 or the TCP .../DC32V thermal miniature circuit breaker as the fuse element; see Catalog 6
- Versions with light indicator for indicating that a fuse has blown



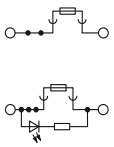
Notes:

The recommended continuous load capacity of auto fuse inserts according to DIN 72581/Part 3 is a maximum of 80% of their nominal current (at an ambient temperature of 23°C).

[1]) If the fuse is faulty, the downstream circuit is not off load.

[2]) The current is determined by the fuse used, the voltage by the light indicator.

[3]) For derating curve, visit www.phoenixcontact.net/products





4 (6) mm², 30 A, fuse terminal block for type C flat-type fuses

Technical data

Dimensions				
	Width	Length	Height NS 35/7,5	
[mm]	**8.2**	**86.5**	**43.5**	
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	30[3])	**400[2])**	**0.08 - 6**	**28 - 10**

Rated data				
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400[2])	300	300	-
Nominal current / cross section [A] / [mm²]	30[2]) / 4	30 / -	10 / -	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	28 - 10	28-10	28-10	-

Connection capacity				
	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 1

General data	
Fuse type / dimensions	C
Stripping length [mm]	10
Insulating material	PA
Inflammability class according to UL 94	V0

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, with spring-cage connection, for mounting on NS 35...		black	**ST 4-FSI/C**		**3036372**	50
Fuse terminal block, with light indicator for 12 V DC, 1.7 mA[1])		black	**ST 4-FSI/C-LED 12**		**3036495**	50
With light indicator for 24 V DC, 1.9 mA[1])		black	**ST 4-FSI/C-LED 24**		**3036505**	50

Accessories

Insulation stop sleeve, cross section range:						
0.25 - 0.5 mm²		gray	**ISH 4/0,5**		**3002885**	50
0.75 - 1 mm²		black	**ISH 4/1,0**		**3002898**	50
Plug-in bridge						
	2	red	**FBS 2-8**	41 A	**3030284**	10
	3	red	**FBS 3-8**	41 A	**3030297**	10
	4	red	**FBS 4-8**	41 A	**3030307**	10
	5	red	**FBS 5-8**	41 A	**3030310**	10
	10	red	**FBS 10-8**	41 A	**3030323**	10
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-8**		**3031005**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

Center groove labeling	**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)**

ZFK 6 ... fuse terminal blocks with screw cap

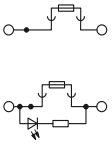


- For standardized 5 x 20 mm and 6.3 x 32 mm fuse formats, the ZFK 6−DREHSI ... should be used
- With fuse screw cap
- Versions with light indicator for indicating that a fuse has blown

Notes:

[1]) If the fuse is faulty, the downstream circuit is not off load.

[2]) The current is determined by the fuse used, the voltage by the selected light indicator. Observe the maximum power dissipation, see www.phoenixcontact.net/products.





6 (10) mm², 10 A, fuse terminal block for cartridge fuses

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		12	**86.5**	**56.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		10[2])	**800[2])**	**0.5 - 10 / 20 - 8**
Rated data		IEC 60947-7-3 IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800[2])	600	- / -
Nominal current / cross section	[A] / [mm²]	10[2]) / 1.5	20 / -	- / -
Rated cross section	[mm²]	6	-	- / -
Cross section range	AWG	20 - 8	20-8	- / -
Connection capacity		solid	stranded	Ferrule / Without / with plastic sleeve
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6 / 0.5 - 6
Two stranded conductors with a TWIN ferrule	[mm²]			0.5 - 1.5
General data				
Fuse type / dimensions	– / [mm]	G / 5 x 20		
Stripping length	[mm]	12		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35..., for cartridge fuse inserts 5 x 20 mm		black	**ZFK 6-DREHSI (5X20)**		**3025040**	25
For cartridge fuse inserts 6.3 x 32 mm		black	**ZFK 6-DREHSI (6,3X32)**		**3025273**	25
Fuse terminal block, for mounting on NS 35..., for 5 x 25 mm cartridge fuse inserts, with indicating pin		black	**ZFK 6-DREHSI/K (5X25)**		**3029457**	25
Fuse terminal block, for mounting on NS 35..., for cartridge fuse inserts 5 x 20 mm, with light indicator for 12 - 30 V DC, 0.7 - 2.4 mA[1])		black	**ZFK 6-DREHSILED 24 (5X20)**		**3025600**	25
For cartridge fuse inserts 6.3 x 32 mm		black	**ZFK 6-DREHSILED 24 (6,3X32)**		**3025587**	25
Fuse terminal block, for mounting on NS 35..., for 5 x 20 mm cartridge fuse inserts, with light indicator for 110 - 250 V AC/DC, 0.2 - 0.9 mA[1])		black	**ZFK 6-DREHSILA 250 (5X20)**		**3025590**	25
For cartridge fuse inserts 6.3 x 32 mm		black	**ZFK 6-DREHSILA 250 (6,3X32)**		**3025574**	25

Accessories

Fixed bridge, insulated	10	silver	**FBI 10-12**	57 A	**0203454**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Screwdriver			**SZF 2-0,8X4,0**		**1204520**	10
Center and lateral groove labeling			**UC-TMF 12, UCT-TMF 12 or ZBF 12 (see Catalog 5)**			

ST ...-TG disconnect terminal blocks for accommodating function plugs

– For corresponding function plugs, see page 480

Notes:

1) The total current of all connected conductors must not exceed the max. load current.

2) If the fuse is faulty, the downstream circuit is not off load.

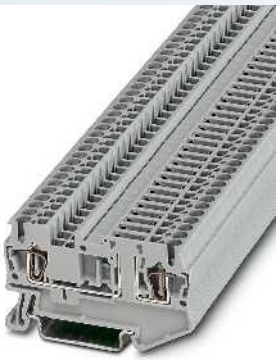
3) Observe max. load current.

4) Observe max. load current, depending on the power dissipation of the components. Max. 0.5 W with single arrangement.

5) For max. power dissipation, see page 724.

6) Current and voltage are determined by the plug used.

7) Lower level.



2.5 (4) mm², 20 A, disconnect terminal block



2.5 (4) mm², 20 A, disconnect terminal block, 3 connections

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**60.5**	**36.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		20[6])	**400[6])**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[6])	300	300	-
Nominal current / cross section	[A] / [mm²]	20[6]) / 2.5	16 / -	16 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	28-12	28-12	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Basic terminal block, for mounting on NS 35...		gray	**ST 2,5-TG**		**3038435**	50

Accessories

Cover, width 2.2 mm		gray	**D-ST 2,5-TWIN**		**3030488**	50
Cover, 0.8 mm width		orange	**D-ST 2,5-TWIN-0,8 OG**		**3030512**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray	**DS-ST 2,5**		**3036602**	10
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-ST-TWIN**		**3030789**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Isolating plug[3])		orange	**P-DI**		**3036783**	50
Feed-through connector[3])		gray	**P-FIX**		**3038956**	50
Component plug, labeled with ZBF 5 or UC-TMF 5[4])		gray	**P-CO**		**3036796**	10
Fuse plug, width 5.2 mm[2])		black	**P-FU 5X20-5**		**3209235**	10
With LED for 12-30 V DC, 0.35-0.95 mA		black	**P-FU 5X20 LED 24-5**		**3209248**	10
For 30-60 V AC/DC, 0.36-0.95 mA		black	**P-FU 5X20 LED 60-5**		**3209251**	10
For 110-250 V AC/DC, 0.4-0.95 mA		black	**P-FU 5X20 LED 250-5**		**3209264**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			
Center and lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**72**	**36.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		20[1])	**400[6])**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[6])	300	300	-
Nominal current / cross section	[A] / [mm²]	20[6]) / 2.5	16 / -	16 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	28-12	28-12	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

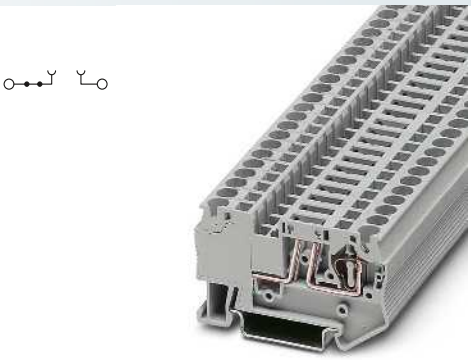
Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-TWIN-TG		**3038448**	50

Accessories

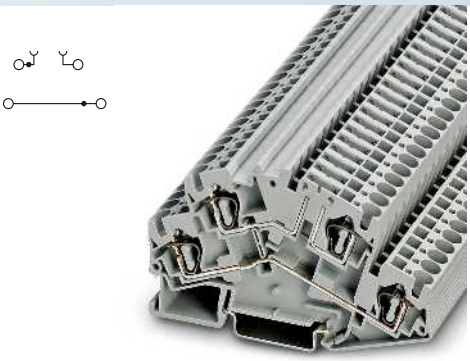
D-ST 2,5-QUATTRO			**3030514**	50
D-ST 2,5-QUATTRO-0,8 OG			**3030513**	50
DS-ST 2,5			**3036602**	10
FBS 2-5	24 A		**3030161**	50
FBS 3-5	24 A		**3030174**	50
FBS 4-5	24 A		**3030187**	50
FBS 5-5	24 A		**3030190**	50
FBS 10-5	24 A		**3030213**	10
FBS 20-5	24 A		**3030226**	10
ATP-ST QUATTRO			**3030815**	50
PAI-4-N GY			**3032871**	10
MPS-MT			**0201744**	10
MPS-IH RD			**0201676**	10
PS-5			**3030983**	10
P-DI			**3036783**	50
P-FIX			**3038956**	50
P-CO			**3036796**	10
P-FU 5X20-5			**3209235**	10
P-FU 5X20 LED 24-5			**3209248**	10
P-FU 5X20 LED 60-5			**3209251**	10
P-FU 5X20 LED 250-5			**3209264**	10
SZF 1-0,6X3,5			**1204517**	10
UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)				
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)				



2.5 (4) mm², 20 A, disconnect terminal block, 4 connections



4 (6) mm², 20 A, disconnect terminal block



4 (6) mm², 20 A, double-level terminal block with disconnect zone

Technical data

Width	Length	Height NS 35/7,5	
5.2	**84**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[1])	**400[6])**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[6])	300	300	-
20[6]) / 2.5	16 / -	16 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO-TG		**3038451**	50

Accessories

D-ST 2,5-QUATTRO-MT		**3038590**	50
DS-ST 2,5		**3036602**	10
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20-5		**3209235**	10
P-FU 5X20 LED 24-5		**3209248**	10
P-FU 5X20 LED 60-5		**3209251**	10
P-FU 5X20 LED 250-5		**3209264**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**61.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[6])	**400[6])**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[6])	300	300	-
20[6]) / 2.5	10 / -	16 / -	-
4	-	-	-
28 - 10	28-10	28-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-TG		**3038367**	50

Accessories

FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST 4		**3030721**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
P-FU 5X20 LED 24		**3036819**	10
P-FU 5X20 LED 60		**3036822**	10
P-FU 5X20 LA 250		**3036835**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**92.4**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
34[7])	**500[6])**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500[6])	600	-	-
20[6]) / 2.5	16 / -	-	-
4	-	-	-
28 - 10	28-10	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STTBS 4-TG		**3035483**	50

Accessories

D-STTBS 4-MT		**3035548**	50
FBS 2-6	28 A	**3030336**	50
FBS 3-6	28 A	**3030242**	50
FBS 4-6	28 A	**3030255**	50
FBS 5-6	28 A	**3030349**	50
FBS 10-6	28 A	**3030271**	10
FBS 20-6	28 A	**3030365**	10
ATP-STTB 4		**3030747**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
P-FU 5X20 LED 24		**3036819**	10
P-FU 5X20 LED 60		**3036822**	10
P-FU 5X20 LA 250		**3036835**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

ST ...-MT knife disconnect terminal blocks



- Compact knife disconnect terminal block with a current carrying capacity of 20 A
- Seamless and can be double bridged for all tasks in time-saving potential supply and distribution
- Test connection parallel to disconnect point for test plugs with a 2.3 mm diameter
- Three and four-conductor terminal blocks can be used for multi-conductor connections
- User-friendly wiring thanks to front connection

S-MT switching lock

- The optional switching lock snaps in and effectively prevents accidental switching



Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) Also see page 480.





2.5 (4) mm², 20 A, knife disconnect terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**60.5**	**36.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		20	**400**	**0.08 - 4 / 28 - 12**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400	600	300 / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	16 / -	16 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	28 - 12	28-12	28-12 / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

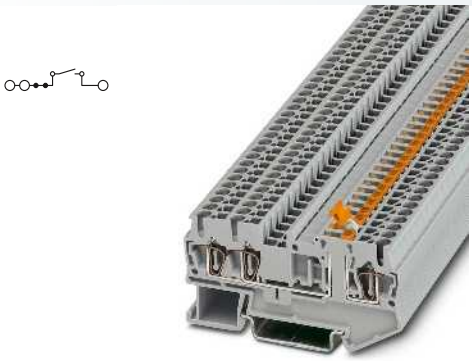
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, for mounting on NS 35...		gray	**ST 2,5-MT**		**3036343**	50
		blue	**ST 2,5-MT BU**		**3037818**	50

Accessories

Cover, width 2.2 mm		gray	**D-ST 2,5-TWIN**		**3030488**	50
Cover, 0.8 mm width		orange	**D-ST 2,5-TWIN-0,8 OG**		**3030512**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray	**DS-ST 2,5**		**3036602**	10
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Switching lock, plug-in[2])		white	**S-MT**		**3247954**	50
Partition plate, 2 mm width		gray	**ATP-ST-TWIN**		**3030789**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



2.5 (4) mm², 20 A, knife disconnect terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
5.2	**72**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[1])	**400**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	600	300	-
20[1]) / 2.5	16 / -	16 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-TWIN-MT		**3036356**	50
ST 2,5-TWIN-MT BU		**3037821**	50

Accessories

D-ST 2,5-QUATTRO		**3030514**	50
D-ST 2,5-QUATTRO-0,8 OG		**3030513**	50
DS-ST 2,5		**3036602**	10
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
S-MT		**3247954**	50
ATP-ST QUATTRO		**3030815**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



2.5 (4) mm², 20 A, knife disconnect terminal block, 4 connections

Technical data

Width	Length	Height NS 35/7,5	
5.2	**84**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[1])	**400**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	600	300	-
20[1]) / 2.5	16 / -	16 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO-MT		**3036576**	50
ST 2,5-QUATTRO-MT BU		**3037834**	50

Accessories

D-ST 2,5-QUATTRO-MT		**3038590**	50
DS-ST 2,5		**3036602**	10
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
S-MT		**3247954**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



4 (6) mm², 20 A, knife disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**61.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**400**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	300	-
20 / 2.5	10 / -	16 / -	-
4	-	-	-
28 - 10	28-10	28-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
			0.5 - 1
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-MT		**3038875**	50

Accessories

FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
S-MT		**3247954**	50
ATP-ST 4		**3030721**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

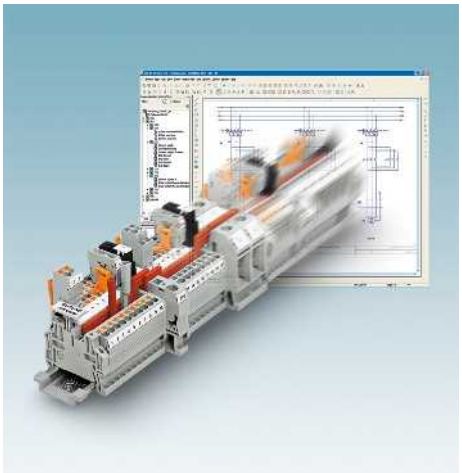
Double-level knife disconnect terminal blocks

The space-saving double-level knife disconnect terminal blocks are available in various versions and offer:
– Disconnect knife for one level
– Disconnect knives for both levels, a height offset indicates assignment of the disconnect knives to a level
– Test connections on both sides of the isolating point for 2.3 mm test plugs
– Function shafts provide scope for potential distribution

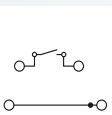
ZDMTK 2,5-TWIN

– If an input signal is to be divided and split over two disconnect points, the ZDMTK 2,5-TWIN is used

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



Notes:
1) The total current of all connected conductors must not exceed the max. load current.
2) Lower level
3) Also see page 480.





2.5 (4) mm², 16 A, double-level knife disconnect terminal block

cULus PG KEMA KEUR CCA

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**104**	**49**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		26	**400**	**0.2 - 4** / **24 - 12**
Rated data, lower level		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400	300	- / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	- / - / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	24 - 12	26-12	- / -
Rated data, upper level		IEC	UL/CUL	CSA / IEC/EN 60079-7
Nominal current / cross section	[A] / [mm²]	16 / 1.5	15 / -	- / - / - / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

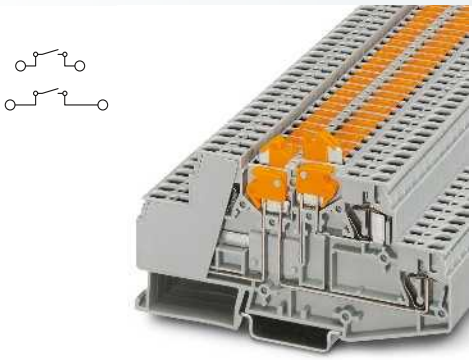
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, for mounting on NS 35...		gray	**ZFKK 2,5-MT**		**3025011**	50
		blue	**ZFKK 2,5-MT BU**		**3022221**	50

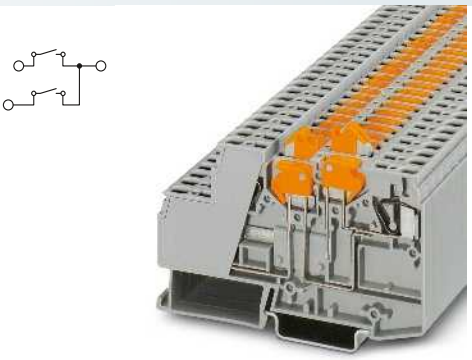
Accessories

Cover, width 2 mm		gray	**D-ZFKK 2,5-MT**		**3024151**	50
Cover, width 2.2 mm		gray				
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulation collar						
	2	silver	**FBRI 2-5 N**	20 A	**3000227**	10
	3	silver	**FBRI 3-5 N**	20 A	**3000201**	10
	10	silver	**FBRI 10-5 N**	20 A	**2770642**	10
Plug-in bridge						
	2	red				
	10	red				
	20	red				
Switching lock, plug-in[3]		white				
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch			**TS-U3K 2,5**		**2770066**	50
Partition plate, 2 mm width		gray	**ATP-ZFKKB 4**		**3005772**	50
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

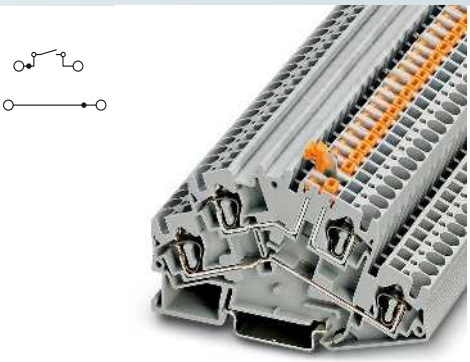
Center groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**
Center and lateral groove labeling	



2.5 (4) mm², 16 A, double-level terminal block with one disconnect knife per level



2.5 (4) mm², 16 A, feed-through terminal block, 3 connections, with two disconnect knives



4 (6) mm², 20 A, double-level knife disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**107**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
16	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
16 / 1.5	10 / -	- / -	- / -
2.5	-	-	-
24 - 12	26-12	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16 / 1.5	10 / -	- / -	- / -
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
ZDMTK 2,5	**3005798**	50
ZDMTK 2,5 BU	**3006784**	50

Accessories

ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
ATP-ZFKKB 4	**3005772**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
SZF 1-0,6X3,5	**1204517**	10

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**88.5**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
16[1])	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
16 / 1.5	10 / -	- / -	- / -
2.5	-	-	-
24 - 12	26-12	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16 / 1.5	10 / -	- / -	- / -
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
ZDMTK 2,5-TWIN	**3005808**	50

Accessories

ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
ATP-ZFKKB 4	**3005772**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
SZF 1-0,6X3,5	**1204517**	10

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**92.4**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
34[2])	**500**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	-	-
20 / 2.5	16 / -	- / -	- / -
4	-	-	-
28 - 10	28-10	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
- / -	16 / -	- / -	- / -
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
			0.5 - 1
10			
PA			
V0			

Ordering data

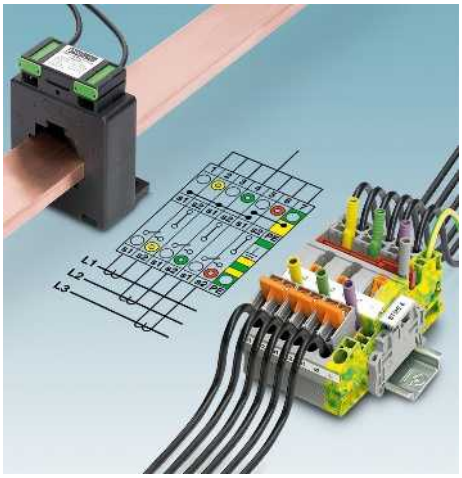
Type	I_{max}	Order No.	Pcs. / Pkt.
STTBS 4-MT		**3035470**	50
STTBS 4-MT BU		**3035522**	50

Accessories

D-STTBS 4-MT		**3035548**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	28 A	**3030336**	50
FBS 10-6	28 A	**3030271**	10
FBS 20-6	28 A	**3030365**	10
S-MT		**3247954**	50
ATP-STTB 4		**3030747**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

STME 6 test disconnect terminal blocks





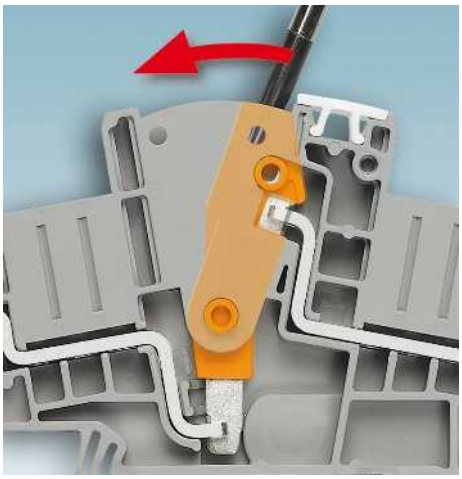
The latest generation of test disconnect terminal blocks with spring-cage connection are characterized by:

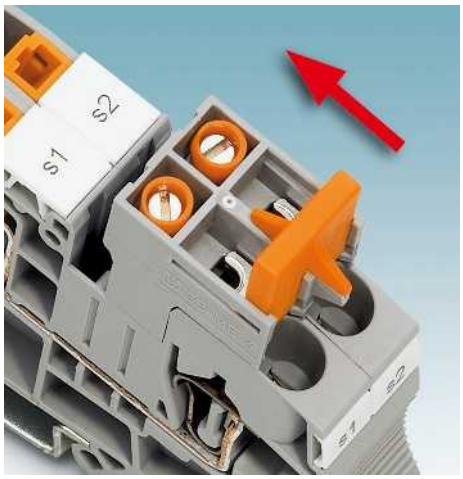
- Compact design
- Easy operation
- Six function shafts
- Clear arrangement
- Flexible and comprehensive accessories
- Feed-through terminal block of the same shape available

- Current transformer measuring circuit can be created using just two STME 6
- Less space required compared to creating circuits with slide-type terminal blocks

① FBS... plug-in bridge for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 6 switching lock
④ SB-ME... switching jumper
⑤ C-ME 6/2 connection bridge

Notes:
For current carrying capacity of DIN rails, see page 716.
For corresponding terminal strip covers, see Catalog 5.





- Reliable contacting and latching of the longitudinal isolating switch in the relevant switching state
- Clear selection thanks to printed switching symbols
- Unintentional switching prevented by means of optional switching lock
- Two or three switches can be actuated at the same time using a connection bridge

- SB-ME ... switching jumpers can be positioned and latched on both sides of the disconnect point in the bridge shaft
- Reliably snapped into the end positions
- Contact made via screw terminal points

Dimensions		
		[mm]
Max. electrical data		
Rated data		
Rated voltage		[V]
Nominal current / cross section		[A] / [mm²]
Rated cross section		[mm²]
Cross section range		AWG
Connection capacity		
1 conductor		[mm²]
Two stranded conductors with a TWIN ferrule		[mm²]
General data		
Stripping length		[mm]
Insulating material		
Inflammability class according to UL 94		

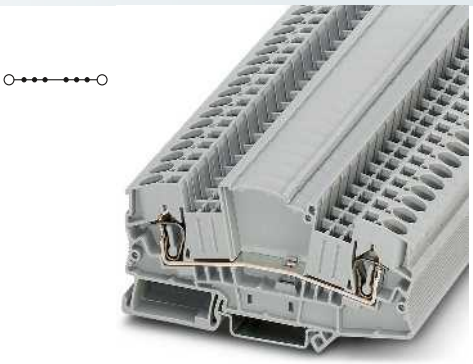
Description	No. of pos.	Color
Test disconnect terminal block, for mounting on NS 35		gray
Feed-through terminal block, for mounting on NS 35...		gray
Ground terminal block, for mounting on NS 35...		green-yellow

Cover, width 2.2 mm		gray
Switching jumper, plug-in		
	2	gray/orange
	3	gray/orange
	4	gray/orange
Plug-in bridge		
	2	red
	3	red
	4	red
	5	red
	10	red
Pre-assembled bridge, labeled		
3-pos., positions 1, 3	2	red
4-pos., positions 1, 4	2	red
5-pos., positions 1, 3, 5	3	red
10-pos. positions 1, 4, 7, 10	4	red
Switching lock, plug-in		white
Connection bridge, for connecting two test disconnect terminal blocks		orange
3-pos.		orange
Test adapter, for 4-mm-Ø safety test plug, snapped into bridge shaft		orange yellow green violet
Partition plate, with storage option for switching jumpers		gray
Screwdriver		

Center groove labeling
Center and lateral groove labeling



6 (10) mm², 30 A, test disconnect terminal block



6 (10) mm², 41 A, feed-through terminal block, same shape



6 (10) mm², ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**500**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
30 / 6	30 / -	30	-
6	-	-	-
24 - 8	24-8	24-8	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STME 6		**3035700**	50

Accessories

D-DTME 6		**3034426**	10
SB-ME 2-8	30 A	**3034468**	10
SB-ME 3-8	30 A	**3032800**	10
SB-ME 4-8	30 A	**3034484**	10
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
FBS 1/3-8	41 A	**3032363**	10
FBS 1/4-8	41 A	**3032376**	10
FBS 1/3/5-8	41 A	**3032389**	10
FBS 1/4/7/10-8	41 A	**3032402**	10
S-ME 6		**3034439**	10
C-ME 6/2		**3034442**	10
C-ME 6/3		**3034390**	50
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
PAI-4-FIX VT		**3032761**	10
CARRIER 35-8		**3034387**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**500**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
41 / 6	30 / -	30	-
6	-	-	-
24 - 8	24-8	24-8	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STMED 6		**3035713**	50

Accessories

D-DTME 6		**3034426**	10
SB-ME 2-8	30 A	**3034468**	10
SB-ME 3-8	30 A	**3032800**	10
SB-ME 4-8	30 A	**3034484**	10
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
FBS 1/3-8	41 A	**3032363**	10
FBS 1/4-8	41 A	**3032376**	10
FBS 1/3/5-8	41 A	**3032389**	10
FBS 1/4/7/10-8	41 A	**3032402**	10
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
PAI-4-FIX VT		**3032761**	10
CARRIER 35-8		**3034387**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
		max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	-
24 - 8	24-8	24-8	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
PA			
V0			

Ordering data

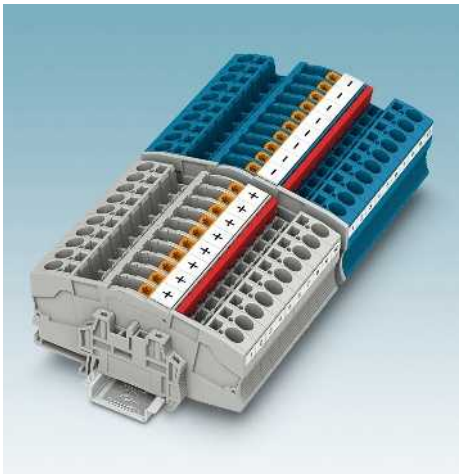
Type	Order No.	Pcs. / Pkt.
STMED 6-PE	**3035726**	50

Accessories

D-DTME 6	**3034426**	10
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
FBS 1/3-8	**3032363**	10
FBS 1/4-8	**3032376**	10
FBS 1/3/5-8	**3032389**	10
FBS 1/4/7/10-8	**3032402**	10
PAI-4-FIX OG	**3034455**	10
PAI-4-FIX YE	**3032745**	10
PAI-4-FIX GN	**3032758**	10
PAI-4-FIX VT	**3032761**	10
CARRIER 35-8	**3034387**	10
SZF 2-0,8X4,0	**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

STME 6 HV disconnect and diode terminal blocks for photovoltaics, 1000 V

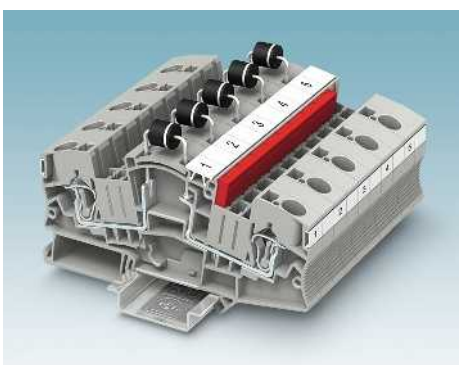


The new disconnect and diode terminal blocks were designed especially for applications in solar technology and are characterized by:

– A dielectric strength of up to 1000 V DC
– Scope for connecting standard solar cables of up to 10 mm² and with a 7.5 mm outside diameter
– A space-saving design of the same shape for compact generator switching boxes
– Continuous function shafts allow the individual PV lines to be easily grouped using plug-in bridges
– The DP-STMED 6 spacer plate provides sufficient space between two neighboring diode terminal blocks, see figure below

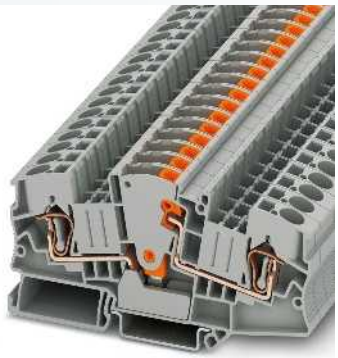
Fuse terminal blocks for 1000 V DC

– Fuse terminal blocks and inserts of up to 1000 V DC are available for fusing PV lines, see page 537



Notes:
If several diode terminal blocks need adding to the DIN rail, a spacer plate must be placed between them.
Covers should ensure that the parts are not touched.
For corresponding AP-ME and AH-ME terminal strip covers, see Catalog 5.
For further test adapters, see page 479.
1) If the diode is loaded with 5 A, the surface temperature reaches 140°C.
2) 1000 V reverse voltage.





6 (10) mm², 30 A, 1000 V, disconnect terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		8.2	**100.8**	**49.6**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		30	**1000**	**0.2 - 10 / 24 - 8**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	1000	600	600 / -
Nominal current / cross section	[A] / [mm²]	30 / 6	30 / -	30 / -
Rated cross section	[mm²]	6	-	- / -
Cross section range	AWG	24 - 8	24-8	24-8 / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6 / 0.25 - 6
Two stranded conductors with a TWIN ferrule	[mm²]			0.5 - 1.5
General data				
Stripping length	[mm]	12		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**STME 6 HV**		**3035693**	50
		blue	**STME 6 HV BU**		**3035694**	50
Spacer plate		gray				
Terminal block, with integrated diode, conducting from left to right		gray				
Conducting from right to left		gray				
Terminal block, for soldering in a component		gray				

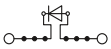
Accessories

Cover, width 2.2 mm		gray	**D-DTME 6**		**3034426**	10
Switching jumper, plug-in						
	2	gray/orange	**SB-ME 2-8**	30 A	**3034468**	10
	3	gray/orange	**SB-ME 3-8**	30 A	**3032800**	10
	4	gray/orange	**SB-ME 4-8**	30 A	**3034484**	10
Plug-in bridge						
	2	red	**FBS 2-8**	41 A	**3030284**	10
	3	red	**FBS 3-8**	41 A	**3030297**	10
	4	red	**FBS 4-8**	41 A	**3030307**	10
	5	red	**FBS 5-8**	41 A	**3030310**	10
	10	red	**FBS 10-8**	41 A	**3030323**	10
Switching lock, plug-in		white	**S-ME 6**		**3034439**	10
Connection bridge, for connecting two test disconnect terminal blocks		orange	**C-ME 6/2**		**3034442**	10
3-pos.		orange	**C-ME 6/3**		**3034390**	50
Test adapter, for 4-mm-Ø safety test plug, snapped into bridge shaft		orange	**PAI-4-FIX OG**		**3034455**	10
		yellow	**PAI-4-FIX YE**		**3032745**	10
		green	**PAI-4-FIX GN**		**3032758**	10
		violet	**PAI-4-FIX VT**		**3032761**	10
Partition plate, with storage option for switching jumpers		gray	**CARRIER 35-8**		**3034387**	10
Screwdriver			**SZF 2-0,8X4,0**		**1204520**	10

Center groove labeling	**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)**



Spacer plate, same shape





6 (10) mm², 5 A, 1000 V, diode terminal block, same shape





Terminal block, for soldering a component

Technical data

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**49.6**	
		max. Ø [mm²]	AWG
		-	**-**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
-	-	-	-
-	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
-	-	-	-
-			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
DP-STMED 6	**3035690**	50

Accessories

SZF 2-0,8X4,0	**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5		
8.2	**100.8**	**60**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
5[1])	**1000[2])**	**0.2 - 10**	**24 - 8**	
IEC	UL/CUL	CSA	IEC/ EN 60079-7	
1000[2])	600	-	-	
5[1]) / 6	5 / -	-	-	
6	-	-	-	
24 - 8	24-8	-	-	
solid	stranded	Ferrule Without / with plastic sleeve		
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5	
12				
PA				
V0				

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STME 6-DIO/L-R HV		**3035691**	50
STME 6-DIO/R-L HV		**3035692**	50

Accessories

D-DTME 6		**3034426**	10
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
PAI-4-FIX VT		**3032761**	10
CARRIER 35-8		**3034387**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**100.8**	**60**	
		max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / 6	- / -	-	-
6	-	-	-
24 - 8	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
PA			
V0			

Ordering data

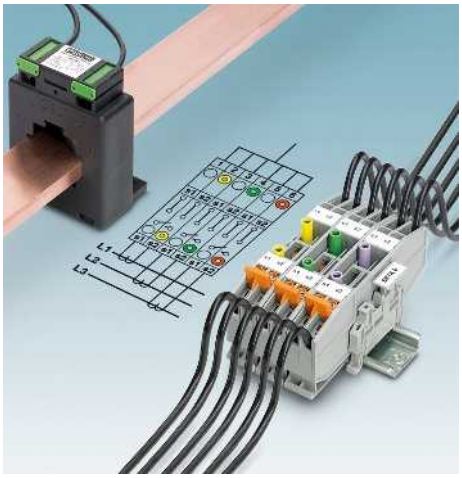
Type	Order No.	Pcs. / Pkt.
STME 6-BE	**3035688**	50

Accessories

D-DTME 6	**3034426**	10
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
PAI-4-FIX OG	**3034455**	10
PAI-4-FIX YE	**3032745**	10
PAI-4-FIX GN	**3032758**	10
PAI-4-FIX VT	**3032761**	10
CARRIER 35-8	**3034387**	10
SZF 2-0,8X4,0	**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

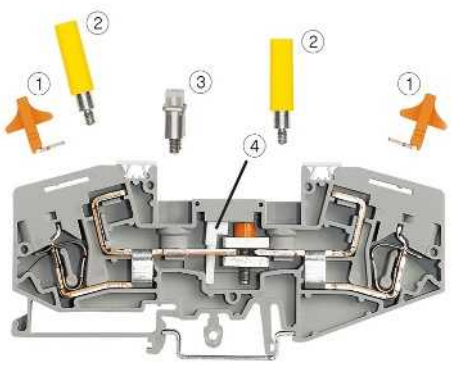
SRTK 6/SGSK 6 test disconnect and slide-type terminal blocks

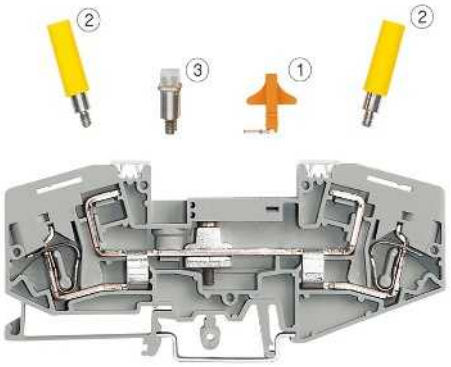




– The SRTK 6 test disconnect terminal block and the SGSK 6 slide-type terminal block were specially designed for use in current transformer secondary circuits
– Can be fitted on both sides with fixed and switchable bridges as well as test sockets with a 4 mm diameter
– Easy and clear operation
– Terminal block and accessories were designed to be touch-proof as per BGV A2

– The extensive range of accessories of the SRTK 6 test disconnect terminal blocks with spring-cage connection can also be used for the URTK 6 test disconnect terminal blocks with screw connection
– For more information and technical data on the screw connection versions, see page 77





– Only two SRTK 6 test disconnect terminal blocks are required for a current transformer measuring circuit
– Less space required compared to creating circuits with slide-type terminal blocks

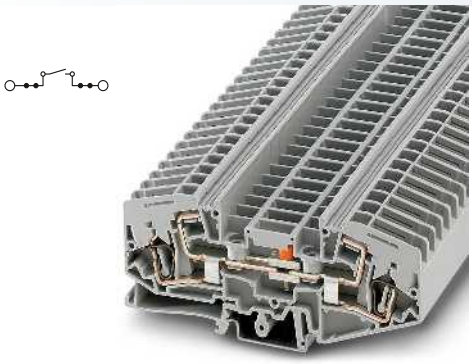
① SB... switch bar
② 4 mm Ø PSBJ-URTK 6... test sockets
③ FBRI 10-8 N fixed bridge for cross connection
④ S-URTK/SP switching lock

– Several measuring devices or protective relays can be connected individually using the SGSK 6 slide-type terminal block
– The slide can be connected with the switch bar depending on the switching tasks

① SB... switch bar
② 4 mm Ø PSBJ-URTK 6... test sockets
③ FBRI 10-8 N fixed bridge for cross connection

Dimensions		
		[mm]
Max. electrical data		
Rated data		
Rated voltage		[V]
Nominal current / cross section		[A] / [mm²]
Rated cross section		[mm²]
Cross section range		AWG
Connection capacity		
1 conductor		[mm²]
Two stranded conductors with a TWIN ferrule		[mm²]
General data		
Stripping length		[mm]
Disconnect slide: thread / torque		- / [Nm]
Torque: test socket, fixed bridge, switch bar		[Nm]
Insulating material		
Inflammability class according to UL 94		

Description	No. of pos.	Color
Test disconnect terminal block, for mounting on NS 35 and NS 32		gray
Slide-type terminal block, for mounting on NS 35 and NS 32		gray
Feed-through terminal block, for mounting on NS 35 and NS 32		gray
Cover, width 2 mm		gray
Switching jumper, complete		
	2	orange
	3	orange
	4	orange
	10	orange
for bridging between non-adjacent terminals	10	orange
Fixed bridge, insulated		
	10	silver
Switching lock, excludes the possibility of an unintentional operation of the disconnect slide		white
Test socket, insulated		transparent
		blue
		yellow
		green
		violet
		black
		gray
		brown
		red
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos.		black
4-pos.		black
Screwdriver		
Center groove labeling		



6 (10) mm², 45 A, test disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**113**	**49**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
45	**400**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	40 / -	-	-
6	-	-	-
24 - 8	18-8	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
M3 / 0.6 - 0.8			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
SRTK 6		**3029952**	50

Accessories

D-SRTK 6		**3029981**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	41 A	**2772080**	10
S-URTK/SP		**0311155**	50
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
PSBJ-URTK 6 BK		**3026447**	10
PSBJ-URTK 6 GY		**3026612**	10
PSBJ-URTK 6 BN		**3026971**	10
PSBJ-URTK 6 RD		**3026719**	10
KSSI 2-8		**3000722**	10
KSSI 4-8		**3000735**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)



6 (10) mm², 45 A, slide-type terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**113**	**49**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
45	**400**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	40 / -	-	-
6	-	-	-
24 - 8	18-8	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
M3 / 0.6 - 0.8			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
SGSK 6		**3029965**	50

Accessories

D-SRTK 6		**3029981**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	41 A	**2772080**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
PSBJ-URTK 6 BK		**3026447**	10
PSBJ-URTK 6 GY		**3026612**	10
PSBJ-URTK 6 BN		**3026971**	10
PSBJ-URTK 6 RD		**3026719**	10
KSSI 2-8		**3000722**	10
KSSI 4-8		**3000735**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)



6 (10) mm², 45 A, feed-through terminal block, same shape

Technical data

Width	Length	Height NS 35/7,5	
8.2	**113**	**49**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
45	**400**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	40 / -	-	-
6	-	-	-
24 - 8	18-8	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.5 - 1.5
12			
- / -			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
SRDK 6		**3029973**	50

Accessories

D-SRTK 6		**3029981**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	41 A	**2772080**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
PSBJ-URTK 6 BK		**3026447**	10
PSBJ-URTK 6 GY		**3026612**	10
PSBJ-URTK 6 BN		**3026971**	10
PSBJ-URTK 6 RD		**3026719**	10
KSSI 2-8		**3000722**	10
KSSI 4-8		**3000735**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

ST 2,5...DIO... diode terminal blocks

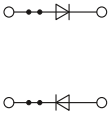


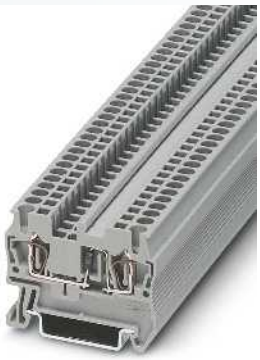
- Diode terminal blocks handle a large number of switching tasks
- Design width of 5.2 mm or 6.2 mm
- Versions with diode conducting direction from left to right or vice versa
- Three and four-conductor terminal blocks can be used for multi-conductor connections
- An increased maximum continuous current of 1.5 A through the 1N 5408 diode is provided by the ST 4−QUATTRO−DIO

Notes:

[1]) The max. current is determined by the diode. Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.

[2]) The max. current is determined by the diode. Integrated: diode 1N 5408, reverse voltage: 1000 V, maximum continuous current 1.5 A.





2.5 (4) mm², 0.5 A, diode terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**48.5**	**36.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		0.5[1])	**800**	**0.08 - 4 / 28 - 12**
Rated data		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800	600	600 / -
Nominal current / cross section	[A] / [mm²]	0.5[1]) / 1	1 / -	1 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	28 - 12	28-12	28-12 / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

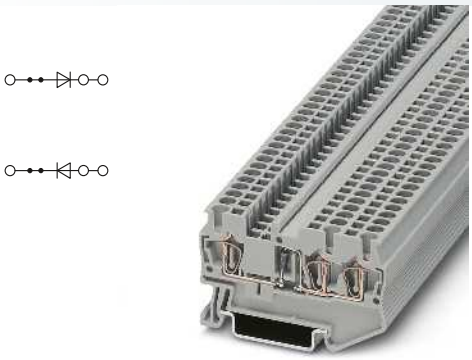
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with integrated diode, conducting from left to right		gray	**ST 2,5-DIO/L-R**		**3036262**	50
Terminal block, with integrated diode, conducting from right to left		gray	**ST 2,5-DIO/R-L**		**3036518**	50

Accessories

Cover, width 2.2 mm		gray	**D-ST 2,5**		**3030417**	50
Cover, 0.8 mm width		orange	**D-ST 2,5-0,8 OG**		**3030511**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray				
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-ST 4**		**3030721**	50
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



2.5 (4) mm², 0.5 A, diode terminal block, 3 connections



2.5 (4) mm², 0.5 A, diode terminal block, 4 connections



4 (6) mm², 1.5 A, diode terminal block with 1N 5408, 4 connections

Technical data

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
0.5[1])	**800**	**0.08 - 4**	**28 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
0.5[1]) / 1	20 / -	-	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-TWIN-DIO/L-R		**3036246**	50
ST 2,5-TWIN-DIO/R-L		**3036521**	50

Accessories

D-ST 2,5-TWIN		**3030488**	50
D-ST 2,5-TWIN-0,8 OG		**3030512**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST-TWIN		**3030789**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**72**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
0.5[1])	**800**	**0.08 - 4**	**28 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
0.5[1]) / 1	20 / -	-	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO-DIO/L-R		**3036233**	50
ST 2,5-QUATTRO-DIO/R-L		**3036534**	50

Accessories

D-ST 2,5-QUATTRO		**3030514**	50
D-ST 2,5-QUATTRO-0,8 OG		**3030513**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST QUATTRO		**3030815**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WST 2,5		**3030941**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**87**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
1.5[2])	**800**	**0.08 - 6**	**28 - 10**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	-	-	-
1.5[2]) / 1	- / -	-	-
4	-	-	-
28 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-QUATTRO-DIO 1N 5408/L-R		**3037782**	50
ST 4-QUATTRO-DIO 1N 5408/R-L		**3037795**	50

Accessories

D-ST 4-QUATTRO		**3030527**	50
DS-ST 4		**3036615**	10
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST QUATTRO		**3030815**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

STTB 2,5... diode and LED double-level terminal blocks

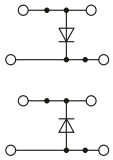
– Double-level diode and light indicator terminal blocks carry out a great variety of switching tasks
– For more versions and versions for soldering in components yourself, visit www.phoenixcontact.net/products

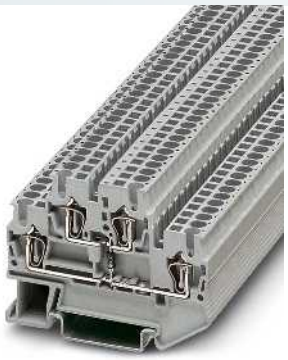
Notes:

For more plug-in bridges, see page 472.

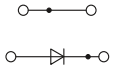
[1]) The max. current is determined by the diode. Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.

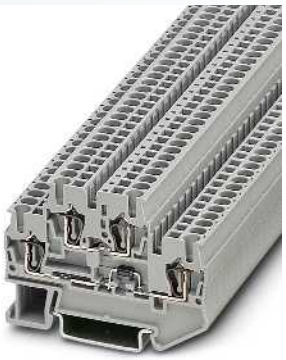
[2]) The operating voltage is determined by the LED version.





2.5 (4) mm², 26 A, double-level diode terminal block





2.5 (4) mm², 26 A, double-level diode terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**67.5**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		26[1])	**500**	**0.08 - 4**	**28 - 12**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	22[1]) / 2.5	20 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	28-12	28-12	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with integrated 1N 4007 diode, conducting from top to bottom		gray	**STTB 2,5-DIO/O-U**		**3031555**	50
Spring-cage terminal block, with integrated 1N 4007 diode, conducting direction from bottom to top		gray	**STTB 2,5-DIO/U-O**		**3031563**	50
Terminal block, with integrated 1N 4007 diode, conducting from right to left		gray				
Terminal block, with two integrated 1N 4007 diodes, conducting from top to bottom left and from bottom right to bottom left		gray				
Terminal block, with two integrated 1N 4007 diodes, conducting direction from top to bottom left and from top to bottom right		gray				
Terminal block, with light indicator						
With light indicator for 12-30 V DC, 0.7-2.4 mA		gray				
With light indicator for 30-60 V DC, 0.8-1.8 mA		gray				
With light indicator for 110-230 V AC/DC, 0.1-0.5 mA		gray				
Terminal block, with integrated PT 100 temperature sensor and fitted cover		gray				

Accessories

Cover, width 2.2 mm		gray	**D-STTB 2,5**		**3030459**	50
Plug-in bridge						
	2	red	**FBS 2-5**	20 A	**3030161**	50
	5	red	**FBS 5-5**	20 A	**3030190**	50
	10	red	**FBS 10-5**	20 A	**3030213**	10
Double marker carrier, can be snapped into STTB 2,5, STTB 4, PTTB 2,5 PTTB 4 double-level terminal blocks, can be labeled with UC-TM 5, ZB 5 or UC-TMF 5, ZBF 5		gray	**STP 5-2**		**0800967**	100
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 2,5**		**3030941**	50

Center and lateral groove labeling

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width		Length	Height NS 35/7,5		
5.2		**67.5**	**47.5**		
$I_{max.}$ [A]		$U_{max.}$ [V]	max. Ø [mm²]	AWG	
26[1])		**500**	**0.08 - 4**	**28 - 12**	
IEC		UL/CUL	CSA	IEC/ EN 60079-7	
500		600	300	-	
22[1]) / 2.5		20 / -	-	-	
2.5		-	-	-	
28 - 12		28-12	28-12	-	
solid		stranded	Ferrule		
			Without / with plastic sleeve		
0.08 - 4		0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	
				0.5	
10					
PA					
V0					

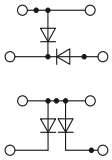
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5-DIO/UL-UR		**3031571**	50

Accessories

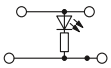
D-STTB 2,5		**3030459**	50
FBS 2-5	20 A	**3030161**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
STP 5-2		**0800967**	100
WST 2,5		**3030941**	50

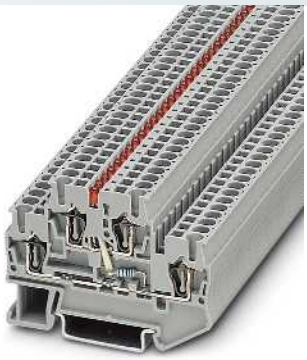
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



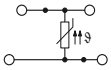


2.5 (4) mm², 26 A, double-level diode terminal block





2.5 (4) mm², 26 A, double-level terminal block with LED





2.5 (4) mm², double-level terminal block with PT 100 temperature sensor

Technical data

Width	Length	Height NS 35/7,5	
5.2	**67.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26[1])	**250**	**0.08 - 4**	**28 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	600	300	-
22[1]) / 2.5	20 / -	-	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5-2DIO/O-UL/UR-UL		**3031584**	50
STTB 2,5-2DIO/O-UL/O-UR		**3031597**	50

Accessories

D-STTB 2,5		**3030459**	50
FBS 2-5	20 A	**3030161**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
STP 5-2		**0800967**	100
WST 2,5		**3030941**	50

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**67.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26	**500[2])**	**0.08 - 4**	**28 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500[2])	600	-	-
22 / 2.5	20 / -	-	-
2.5	-	-	-
28 - 12	28-12	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5-LA 24 RD		**3031607**	50
STTB 2,5-LA 60 RD		**3031610**	50
STTB 2,5-LA230		**3031623**	50

Accessories

D-STTB 2,5		**3030459**	50
FBS 2-5	20 A	**3030161**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
STP 5-2		**0800967**	100
WST 2,5		**3030941**	50

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
7.4	**67.5**	**47.5**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
28 - 12	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

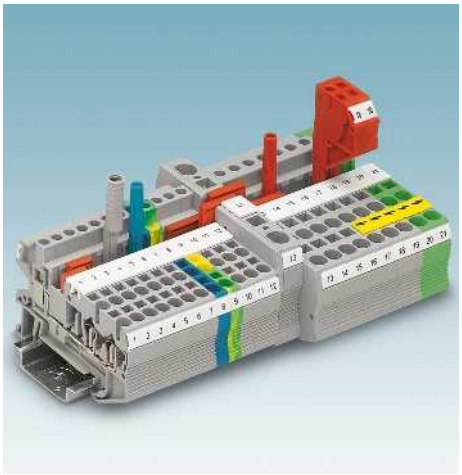
Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5-PT100 MD		**3035564**	50

Accessories

FBS 2-5	20 A	**3030161**	50
FBS 5-5	20 A	**3030190**	50
FBS 10-5	20 A	**3030213**	10
STP 5-2		**0800967**	100
WST 2,5		**3030941**	50

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

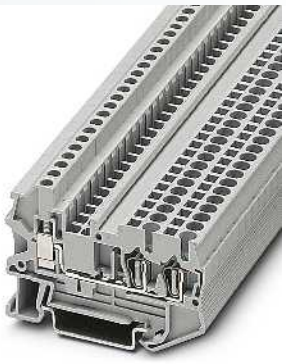
STU ... hybrid terminal blocks with screw connection on one side



The advantages of the different connection methods are:
- The TWIN spring-cage connection is used on the internal control cabinet side and the universal screw connection is used on the end customer side
- Compact design
- Can be consistently bridged to standard terminal blocks in the ST spring-cage terminal block series
- Operational large and continuous labeling
- Ground terminal blocks of the same shape meet all the requirements of standard IEC 60947-7-2

Notes:

For current carrying capacity of DIN rails, see page 716.



2.5 (4) mm², 28 A, feed-through terminal block, 3 connections

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**65.3**	**42.8**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		28	**800**	**0.08 - 4** / **28 - 12**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800	600	600 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	28 - 12	28-12	28-12 / -
Connection capacity of screw connection		solid	stranded	Ferrule / Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 2.5	0.2 - 2.5	0.14 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 1
Connection capacity of spring-cage connection		solid	stranded	Ferrule / Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two conductors with a TWIN ferrule	[mm²]			/ 0.5 - 1
General data				
Stripping length, screw connection	[mm]	9		
Stripping length, spring-cage connection	[mm]	10		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**STU 2,5-TWIN**		**3033016**	50
		blue	**STU 2,5-TWIN BU**		**3033029**	50
Ground terminal block, for mounting on NS 35...		green-yellow				

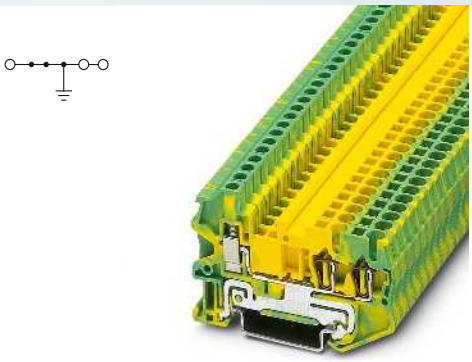
Accessories

Cover, width 2.2 mm		gray	**D-STU 2,5-TWIN**		**3033045**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

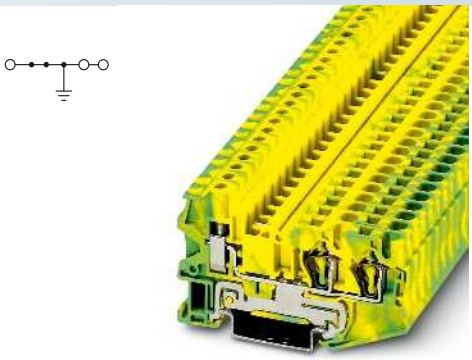
Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



4 (6) mm², 38 A, feed-through terminal block, 3 connections



2.5 (4) mm², ground terminal block, 3 connections



4 (6) mm², ground terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
6.2	**74.4**	**42.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
38	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
32 / 4	30 / -	30 / -	-
4	-	-	-
28 - 10	28-10	28-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
			0.5 - 1
10			
10			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STU 4-TWIN		**3033058**	50
STU 4-TWIN BU		**3033061**	50

Accessories

D-STU 4-TWIN		**3033087**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**65.3**	**42.8**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
0.14 - 2.5	0.2 - 2.5	0.14 - 1.5	-
			0.5 - 1
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5 - 1
9			
10			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
STU 2,5-TWIN-PE	**3033032**	50

Accessories

D-STU 2,5-TWIN	**3033045**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
WST 2,5	**3030941**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**74.4**	**42.8**	
		max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
4	-	-	-
28 - 10	28-10	28-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
			0.5 - 1
10			
10			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
STU 4-TWIN-PE	**3033074**	50

Accessories

D-STU 4-TWIN	**3033087**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

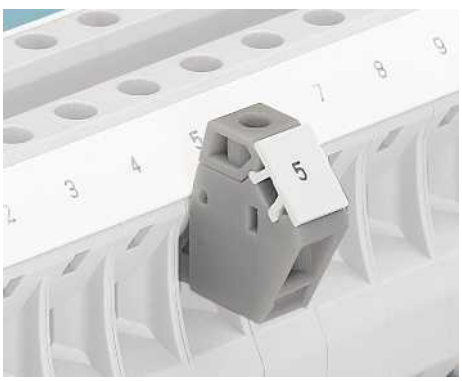
STU 10/ 4X2,5 hybrid terminal block for potential distribution



- The STU 10/4x2,5 spring-cage hybrid terminal block is a space-saving potential distributor that distributes a 10 mm² feed line to four 2.5 mm² connections
- It is supplied using a 10 mm² screw connection
- The system-internal distribution is via four spring-cage connections with a nominal cross section of 2.5 mm²
- The double bridge shaft allows further potential distributions
- Can be consistently bridged to standard terminal blocks in the ST spring-cage terminal block series

AGK 4-UT... pick-off terminal blocks

- The fully insulated pick-off terminal block (optional use) permits a voltage pick-off up to a nominal voltage of 1000 V (4 mm²)
- Large area for labeling



Notes:

For more plug-in bridges, see page 472.

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) The reducing bridge table should be followed, see page 476.



10 (16) mm², 60 A, power terminal block, 4 x 2.5 mm² outlets

Technical data

Dimensions					
		[mm]	Width	Length	Height NS 35/7,5
			10.3	**68**	**48.3**
Max. electrical data			$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
			57[1])	**800**	**0.5 - 16** / **20 - 6**
Rated data, screw connection			IEC 60947-7-1 IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage		[V]	800	600	- / -
Nominal current / cross section		[A] / [mm²]	55[1]) / 10	50 / -	- / -
Rated cross section		[mm²]	10	-	- / -
Cross section range		AWG	20 - 6	20-8	- / -
Connection capacity of screw connection			solid	stranded	Ferrule Without / with plastic sleeve
1 conductor		[mm²]	0.5 - 16	0.5 - 16	0.5 - 10 / 0.5 - 10
Two conductors (of the same type)		[mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5 / -
Two stranded conductors with a TWIN ferrule		[mm²]			/ 0.5 - 6
Rated data, spring-cage connection			IEC 60947-7-1 IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage		[V]	800	600	- / -
Nominal current / cross section		[A] / [mm²]	24[1]) / 2.5	50 / -	- / -
Cross section range		AWG	28 - 12	-	- / -
Connection capacity of spring-cage connection			solid	stranded	Ferrule Without / with plastic sleeve
1 conductor		[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule		[mm²]			/ 0.5
General data					
Stripping length, screw connection		[mm]	10		
Stripping length, spring-cage connection		[mm]	10		
Screw thread			M4		
Tightening torque		[Nm]	1.5 - 1.8		
Insulating material			PA		
Inflammability class according to UL 94			V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**STU 10/ 4X2,5**		**3033139**	50
		blue	**STU 10/ 4X2,5 BU**		**3033142**	50

Accessories

Pick-off terminal block, for snapping into the lateral guide		gray	**AGK 4-UT 10**		**3047112**	50
Cover, width 2.2 mm		gray	**D-STU 10/ 4X2,5**		**3033197**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Reducing bridge[2])						
	2	red	**RB ST (2,5/4)-1,5**		**3038943**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 2-0,8X4,0**		**1204520**	10
Center groove labeling			**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)**			
Center and lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			

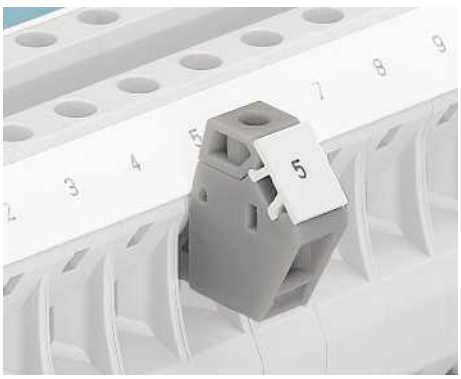
STU 35/ 4X10 hybrid terminal block for potential distribution



- The STU 35/4x10 spring-cage hybrid terminal block is used to subdivide a 35 mm² feed line into four 10 mm² connections
- It is supplied using a 35 mm² screw connection
- The system-internal distribution is via four spring-cage connections with a nominal cross section of 10 mm²
- The double bridge shaft allows further potential distributions
- Can be consistently bridged to standard terminal blocks in the ST spring-cage terminal block series

AGK 4-UT... pick-off terminal blocks

- The fully insulated pick-off terminal block (optional use) permits a voltage pick-off up to a nominal voltage of 1000 V (4 mm²)
- Large area for labeling



Notes:

For more plug-in bridges, see page 472.

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) The reducing bridge table should be followed, see page 476.



35 (50) mm², 125 A, power terminal block, 4 x 10 mm² outlets

Technical data

Dimensions					
	[mm]	Width	Length	Height NS 35/7,5	
		16.2	**86**	**46.8**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		125[1])	**1000**	**1.5 - 50**	**16 - 1/0**
Rated data, screw connection		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	-	-
Nominal current / cross section	[A] / [mm²]	125[1]) / 35	115 / -	-	-
Rated cross section	[mm²]	35	-	-	-
Cross section range	AWG	16 - 1/0	14-2	-	-
Connection capacity of screw connection		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	1.5 - 50	1.5 - 35	1.5 - 35	1.5 - 35
Two conductors (of the same type)	[mm²]	1.5 - 16	1.5 - 10	1.5 - 10	-
Two stranded conductors with a TWIN ferrule	[mm²]				1.5 - 10
Rated data, spring-cage connection		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	-	-
Nominal current / cross section	[A] / [mm²]	41[1]) / 6	115 / -	-	-
Cross section range	AWG	24 - 8	-	-	-
Connection capacity of spring-cage connection		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length, screw connection	[mm]	18			
Stripping length, spring-cage connection	[mm]	12			
Screw thread		M6			
Tightening torque	[Nm]	3.2 - 3.7			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**STU 35/ 4X10**		**3033126**	25
		blue	**STU 35/ 4X10 BU**		**3033210**	25

Accessories

Pick-off terminal block, for snapping into the lateral guide		gray	**AGK 4-UT 35**		**3047138**	50
Plug-in bridge						
	2	red	**FBS 2-8**	41 A	**3030284**	10
	5	red	**FBS 5-8**	41 A	**3030310**	10
Reducing bridge[2])						
	2	red	**RB ST 6-(2,5/4)**		**3030860**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-8**		**3031005**	10
Screwdriver			**SZF 3-1,0X5,5**		**1206612**	10
Center and lateral groove labeling			**UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 5)**			

STU ... hybrid double-level terminal blocks with screw connection on one side

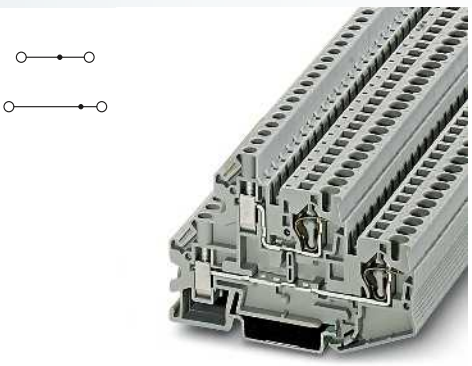
The compact hybrid double-level terminal blocks offer maximum wiring convenience combined with maximum space savings:

– Bridgeable on both levels to implement different switching tasks
– Can be continuously bridged to the STTB 4 standard double-level terminal blocks
– For ease of recognition, each terminal point can be labeled

STP ... double marker carriers

– Optional, large labeling option using STP... double marker carriers

Notes:
For current carrying capacity of DIN rails, see page 716.
For suitable double marker carriers, see page 484.
1) The total current of all connected conductors must not exceed the max. load current.



4 (6) mm², 36 A, double-level terminal block

Technical data

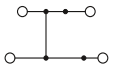
Dimensions					
	[mm]	Width	Length	Height NS 35/7,5	
		6.2	81	55.5	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		36	500	0.14 - 6	26 - 10
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	-	-	-
Nominal current / cross section	[A] / [mm²]	30 / 4	-	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	26 - 10	-	-	-
Connection capacity of screw connection		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
Connection capacity of spring-cage connection		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length, screw connection	[mm]	10			
Stripping length, spring-cage connection	[mm]	10			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**STTBU 4**		**3033155**	50
		blue	**STTBU 4 BU**		**3033168**	50
Terminal block, with equipotential bonder, for mounting on NS 35...		gray				
Ground terminal block, for mounting on NS 35...		green-yellow				

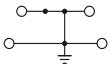
Accessories

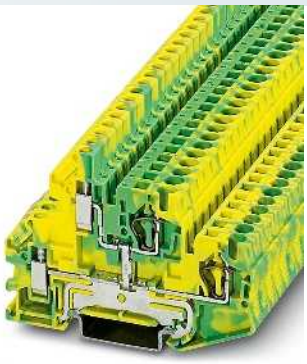
Cover, width 2.2 mm		gray	**D-STTBU 4**		**3033207**	50
Plug-in bridge						
	2	red	**FBS 2-6**	26 A	**3030336**	50
	3	red	**FBS 3-6**	26 A	**3030242**	50
	4	red	**FBS 4-6**	26 A	**3030255**	50
	5	red	**FBS 5-6**	26 A	**3030349**	50
	10	red	**FBS 10-6**	26 A	**3030271**	10
	20	red	**FBS 20-6**	26 A	**3030365**	10
Partition plate, 2 mm width		gray	**ATP-STTB 4**		**3030747**	50
Double marker carrier, can be snapped into STTB 2,5, STTB 4, PTTB 2,5 PTTB 4 double-level terminal blocks, can be labeled with UC-TM 5, ZB 5 or UC-TMF 5, ZBF 5		gray	**STP 5-2**		**0800967**	100
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Center groove labeling			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**			
Center and lateral groove labeling			**UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)**			





4 (6) mm², 36 A, double-level terminal block, internally connected levels





4 (6) mm², double-level ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**81**	**55.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
36[1])	**500**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	-	-	-
30 / 4	-	-	-
4	-	-	-
26 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
			0.5 - 1
10			
10			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STTBU 4-PV		**3033184**	50

Accessories

D-STTBU 4		**3033207**	50
FBS 2-6	26 A	**3030336**	50
FBS 3-6	26 A	**3030242**	50
FBS 4-6	26 A	**3030255**	50
FBS 5-6	26 A	**3030349**	50
FBS 10-6	26 A	**3030271**	10
FBS 20-6	26 A	**3030365**	10
ATP-STTB 4		**3030747**	50
STP 5-2		**0800967**	100
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**81**	**55.5**	
		max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
4	-	-	-
26 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
			0.5 - 1
10			
10			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
STTBU 4-PE	**3033171**	50

Accessories

D-STTBU 4	**3033207**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-STTB 4	**3030747**	50
STP 5-2	**0800967**	100
SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

STS ... desk-design feed-through terminal blocks



The extremely compact STS ... spring-cage terminal blocks in desk design were developed for wiring systems where space is saved by means of underfloor wiring. They are characterized by:

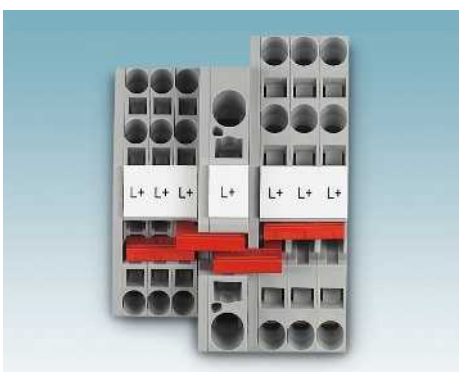
– Angled conductor entry for use in flat terminal boxes
– User-friendly wiring thanks to front connection
– Large space saving when used in concealed wiring systems
– The STS 2,5 and STS 4 are fitted with four bridge shafts which opens up a large number of potential bridging options
– Feed-through terminal blocks with 2, 3 or 4 connections have the same shape

Terminal strip service

We produce fully pre-assembled terminal strips for fitting straight into the control cabinet or switch system. This simplifies installation, saves time, and cuts costs.

Potential infeed

– Using the RB ST 6-(2,5/4) reducing bridge is the easiest way of producing potential infeeds on spring-cage terminal blocks with smaller cross sections



Notes:

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.

[2]) The reducing bridge table should be followed, see page 476.



2.5 (4) mm², 31 A, feed-through terminal block

Ex: PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**49**	**43**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG
		31	**800**	**0.08 - 4** **28 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	Ex IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	20.5 / 2.5 // 26.5 / 4
Rated cross section	[mm²]	2.5	-	-	2.5
Cross section range	AWG	28 - 12	28-12	28-12	28 - 12
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**STS 2,5**		**3036398**	50
		blue	**STS 2,5 BU**		**3036408**	50
		orange	**STS 2,5 OG**		**3037478**	50
		red	**STS 2,5 RD**		**3037601**	50

Accessories[1])

Cover, width 2.2 mm		gray	**D-STS 2,5**		**3031762**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Reducing bridge[2])						
	2	red				
Partition plate, 2 mm width		gray	**ATP-QTC**		**3206209**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			



4 (6) mm², 38 A, feed-through terminal block



6 (10) mm², 57 A, feed-through terminal block

Ex:
PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**64.5**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
38	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
32 / 4	30 / -	30 / -	28.5 / 4 // 34.5 / 6
4	-	-	4
28 - 10	28-10	28-10	28 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STS 4		**3036424**	50
STS 4 BU		**3036437**	50
STS 4 OG		**3037481**	50
STS 4 RD		**3037494**	50

Accessories[1])

D-STS 4		**3031704**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST 6		**3024481**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**58**	**50**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57	**800**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
41 / 6	50 / -	50 / -	-
6	-	-	-
24 - 8	24-8	24-8	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.25 - 1.5
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STS 6		**3038121**	50
STS 6 BU		**3038134**	50

Accessories[1])

D-STS 6		**3038189**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
RB ST 6-(2,5/4)		**3030860**	10
ATP-ST 6		**3024481**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

STS ...-PE desk-design ground terminal blocks

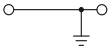


- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947−7−2 are met

Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.





2.5 (4) mm², ground terminal block

Ex:

PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data

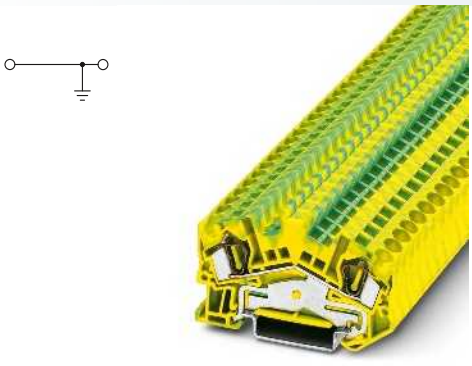
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**5.2**	**49**	**43**
Max. electrical data				max. Ø [mm²] / AWG
				0.08 - 4 / **28 - 12**
		IEC 60947-7-2		Ex
Rated data		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	2.5	-	- / 2.5
Cross section range	AWG	28 - 12	28-12	28-12 / 28 - 12
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

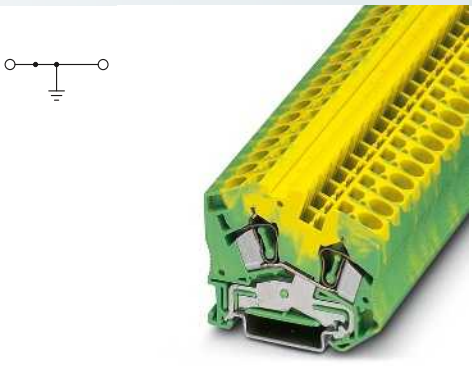
Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**STS 2,5-PE**	**3036411**	50

Accessories[1])

Cover, width 2.2 mm		gray	**D-STS 2,5**	**3031762**	50
Insulation stop sleeve, cross section range:					
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**	**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**	**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**	**3002869**	50
Plug-in bridge					
	2	red			
	3	red			
	4	red			
	5	red			
	10	red			
Partition plate, 2 mm width		gray	**ATP-QTC**	**3206209**	50
Test adapter, 4-mm test socket hole		gray			
Test plug metal part, 2.3 mm Ø					
Insulating sleeve, for MPS metal part		red			
Modular test plug, for the individual assembly of test plug strips		red			
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 2,5**	**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**		



4 (6) mm², ground terminal block



6 (10) mm², ground terminal block

Ex:
PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**64.5**	**43**	
		max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	4
28 - 10	28-10	28-10	28 - 10
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
STS 4-PE	**3036440**	50

Accessories[1])

D-STS 4	**3031704**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
ATP-ST 6	**3024481**	50
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**58**	**50**	
		max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	-
24 - 8	24-8	24-8	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.25 - 1.5
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
STS 6-PE	**3038147**	50

Accessories[1])

D-STS 6	**3038189**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
ATP-ST 6	**3024481**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-8	**3031005**	10
SZF 2-0,8X4,0	**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

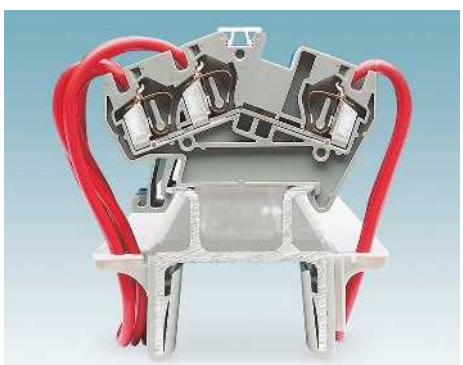
STS ...-TWIN feed-through terminal blocks with 3 connections, in desk design



– Same shape and pitch as the feed-through terminal blocks
– Cross connection to neighboring feed-through terminal blocks with FBS ... continuous plug-in bridge system

Compact STS 4-TWIN/L

– The space requirements of the 4 mm² feed-through terminal block with 3 connections is minimized by the compact snap-on foot of the STS 4-TWIN/L



Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) For installation notes on the use of accessories for Ex e applications, see page 710.

[3]) The reducing bridge table should be followed, see page 476.



2.5 (4) mm², 28 A, feed-through terminal block, 3 connections

Ex:
PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**51**	**43**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		28[1])	**800**	**0.08 - 4 / 28 - 12**
Rated data		IEC 60947-7-1 / IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	24[1]) / 2.5	20 / -	20 / - / 21 / 2.5 // 25.5 / 4
Rated cross section	[mm²]	2.5	-	- / 2.5
Cross section range	AWG	28 - 12	28-12	28-12 / 28 - 12
Connection capacity		solid	stranded	Ferrule / Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**STS 2,5-TWIN**		**3031720**	50
		blue	**STS 2,5-TWIN BU**		**3036275**	50
		orange	**STS 2,5-TWIN OG**		**3037504**	50

Accessories[2])

Cover, width 2.2 mm		gray	**D-STS 2,5**		**3031762**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Reducing bridge[3])						
	2	red				
Partition plate, 2 mm width		gray	**ATP-QTC**		**3206209**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			



4 (6) mm², 38 A, feed-through terminal block, 3 connections

Ex:
PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**64.5**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
38[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
32[1]) / 4	30 / -	30 / -	30 / 4 // 33 / 6
4	-	-	4
28 - 10	28-10	28-10	28 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
			0.5 - 1
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STS 4-TWIN		**3031665**	50
STS 4-TWIN BU		**3036291**	50
STS 4-TWIN OG		**3037533**	50

Accessories[2])

D-STS 4		**3031704**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST 6		**3024481**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)



4 (6) mm², 38 A, feed-through terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
6.2	**64.6**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
38[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	-	-
32[1]) / 4	30 / -	-	-
4	-	-	-
28 - 10	28-10	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
			0.5 - 1
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STS 4-TWIN/L		**3036592**	50
STS 4-TWIN/L BU		**3036589**	50

Accessories[2])

D-STS 4-TWIN/L		**3036770**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST 6		**3024481**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)



6 (10) mm², 57 A, feed-through terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
8.2	**70**	**50**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57[1])	**800**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
41[1]) / 6	50 / -	50 / -	-
6	-	-	-
24 - 8	24-8	24-8	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
			0.25 - 1.5
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STS 6-TWIN		**3038150**	50
STS 6-TWIN BU		**3038163**	50

Accessories[2])

D-STS 6-TWIN		**3038202**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
RB ST 6-(2,5/4)		**3030860**	10
ATP-ST 6		**3024481**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

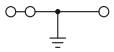
Ground terminal blocks with 3 connections, in desk design STS ...-TWIN-PE

- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947−7−2 are met

Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.





2.5 (4) mm², ground terminal block, 3 connections

Ex:

PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data

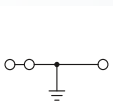
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**5.2**	**51**	**43**
Max. electrical data				max. Ø [mm²] AWG
				0.08 - 4 **28 - 12**
		IEC 60947-7-2		
Rated data		IEC	UL/CUL	CSA IEC/ EN 60079-7
Rated voltage	[V]	-	-	- -
Nominal current / cross section	[A] / [mm²]	-	- / -	- -
Rated cross section	[mm²]	2.5	-	- 2.5
Cross section range	AWG	28 - 12	28-12	28-12 28 - 12
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**STS 2,5-TWIN-PE**	**3031733**	50

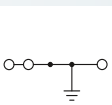
Accessories[1])

Cover, width 2.2 mm		gray	**D-STS 2,5**	**3031762**	50
Insulation stop sleeve, cross section range:					
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**	**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**	**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**	**3002869**	50
Plug-in bridge					
	2	red			
	3	red			
	4	red			
	5	red			
	10	red			
Partition plate, 2 mm width		gray	**ATP-QTC**	**3206209**	50
Test adapter, 4-mm test socket hole		gray			
Test plug metal part, 2.3 mm Ø					
Insulating sleeve, for MPS metal part		red			
Modular test plug, for the individual assembly of test plug strips		red			
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 2,5**	**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**		





4 (6) mm², ground terminal block, 3 connections





6 (10) mm², ground terminal block, 3 connections

CCA

Ex:

PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**64.5**	**43**	
		max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	4
28 - 10	28-10	28-10	28 - 10
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
8.2	**70**	**50**	
		max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	-
24 - 8	24-8	24-8	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6 0.25 - 1.5
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
STS 4-TWIN-PE	**3031678**	50

Accessories[1])

D-STS 4	**3031704**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
ATP-ST 6	**3024481**	50
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Ordering data

Type	Order No.	Pcs. / Pkt.
STS 6-TWIN-PE	**3038176**	50

Accessories[1])

D-STS 6-TWIN	**3038202**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
ATP-ST 6	**3024481**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-8	**3031005**	10
SZF 2-0,8X4,0	**1204520**	10

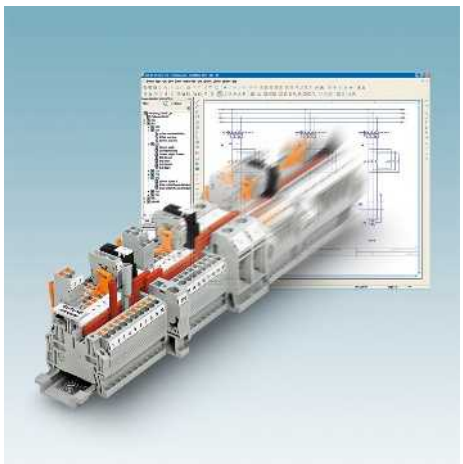
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Feed-through terminal blocks with 4 connections, in desk design STS ...-QUATTRO



- These compact four-conductor terminal blocks are the same shape as the feed-though and three-conductor terminal blocks with the same cross section
- Ground terminal blocks of the same shape are available
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947−7−2 are met

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

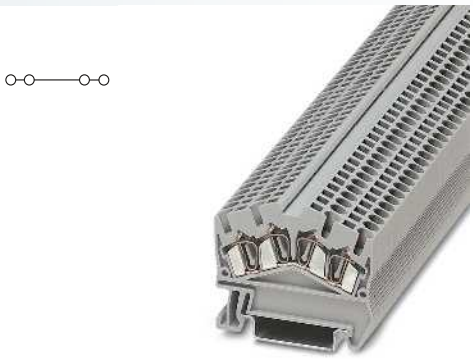


Notes:

For current carrying capacity of DIN rails, see page 716.

1) The total current of all connected conductors must not exceed the max. load current.

2) For installation notes on the use of accessories for Ex e applications, see page 710.



2.5 (4) mm², 28 A, feed-through terminal block, 4 connections

Ex:

PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data

Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**51**	**43**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	28[1])	**800**	**0.08 - 4**	**28 - 12**
Rated data	IEC 60947-7-1			Ex
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	800	600	600	550
Nominal current / cross section [A] / [mm²]	24[1]) / 2.5	20 / -	20 / -	20.5 / 2.5 // 25 / 4
Rated cross section [mm²]	2.5	-	-	2.5
Cross section range AWG	28 - 12	28-12	28-12	28 - 12
Connection capacity	solid	stranded	Ferrule	
			Without / with plastic sleeve	
1 conductor [mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...	gray	**STS 2,5-QUATTRO**	**3031746**	50
	blue	**STS 2,5-QUATTRO BU**	**3036288**	50
	orange	**STS 2,5-QUATTRO OG**	**3037575**	50
	red	**STS 2,5-QUATTRO RD**	**3037562**	50
Ground terminal block, for mounting on NS 35...	green-yellow			

Accessories[2])

Cover, width 2.2 mm	gray	**D-STS 2,5**	**3031762**	50
Insulation stop sleeve, cross section range:				
0.08 - 0.2 mm²	white	**ISH 2,5/0,2**	**3002843**	50
0.25 - 0.5 mm²	gray	**ISH 2,5/0,5**	**3002856**	50
0.75 - 1 mm²	black	**ISH 2,5/1,0**	**3002869**	50
Partition plate, 2 mm width	gray	**ATP-QTC**	**3206209**	50
Warning cover, for actuation shafts, 5-pos.	yellow	**WST 2,5**	**3030941**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10
Center groove labeling		**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**		



4 (6) mm², 38 A, feed-through terminal block, 4 connections

Ex: PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**64.5**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
38[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
32[1]) / 4	30 / -	30 / -	28.5 / 4 // 35 / 6
4	-	-	4
28 - 10	28-10	28-10	28 - 10
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

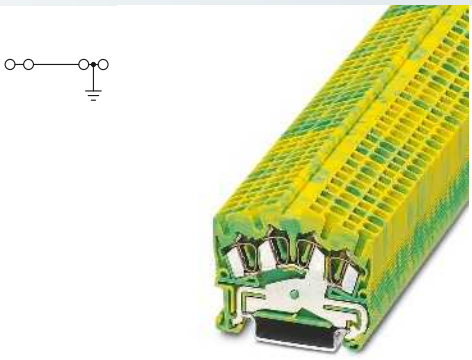
Ordering data

Type	Order No.	Pcs. / Pkt.
STS 4-QUATTRO	**3031681**	50
STS 4-QUATTRO BU	**3036301**	50
STS 4-QUATTRO OG	**3037546**	50
STS 4-QUATTRO RD	**3037559**	50

Accessories[2])

D-STS 4	**3031704**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
ATP-ST 6	**3024481**	50
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)



2.5 (4) mm², ground terminal block, 4 connections

Ex: PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**51**	**43**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

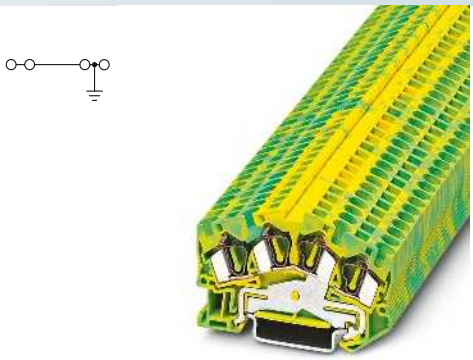
Ordering data

Type	Order No.	Pcs. / Pkt.
STS 2,5-QUATTRO-PE	**3031759**	50

Accessories[2])

D-STS 2,5	**3031762**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
ATP-QTC	**3206209**	50
WST 2,5	**3030941**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)



4 (6) mm², ground terminal block, 4 connections

Ex: PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**64.5**	**43**	
		max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	4
28 - 10	28-10	28-10	28 - 10
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
STS 4-QUATTRO-PE	**3031694**	50

Accessories[2])

D-STS 4	**3031704**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
ATP-ST 6	**3024481**	50
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10

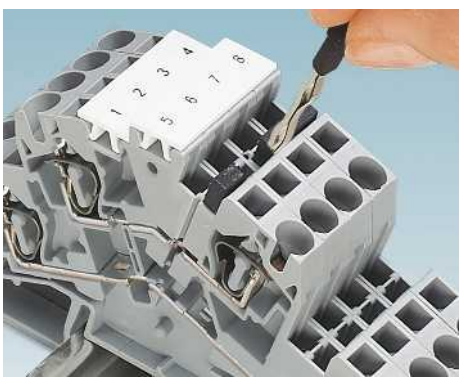
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

STTBS ... desk-design double-level terminal blocks



The STTBS ... desk-design compact double-level terminal blocks are characterized by:

– Two bridge shafts on both levels for all potential distribution tasks
– Two large-surface labeling options
– The different heights of the marking grooves makes it easy to see to which level the labeling belongs
– Potential bridging of levels using the **FBS−PV** vertical potential bridge, see figure below

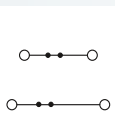


Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) For installation notes on the use of accessories for Ex e applications, see page 710.





2.5 (4) mm², 26 A, double-level terminal block

Ex:

PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data

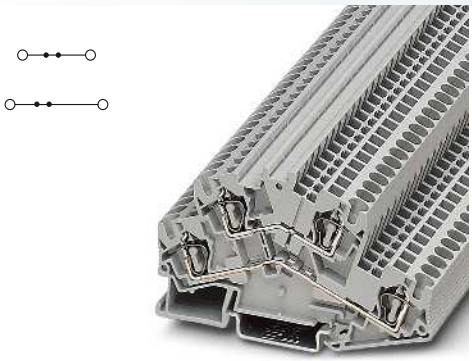
Dimensions			
Width	Length	Height NS 35/7,5	
5.2	**78**	**55**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26	**500**	**0.08 - 4**	**28 - 12**
Rated data	IEC 60947-7-1		Ex
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	300	440
Nominal current / cross section [A] / [mm²]	22 / 2.5	20 / -	20 / -	19.5 / 2.5 // 23.5 / 4
Rated cross section [mm²]	2.5	-	-	2.5
Cross section range AWG	28 - 12	28-12	28-12	28 - 12
Connection capacity	solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor [mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**STTBS 2,5**		**3038464**	50
		blue	**STTBS 2,5 BU**		**3038493**	50
Terminal block, with equipotential bonding between the levels, for mounting on NS 35...[1])		gray	**STTBS 2,5-PV**		**3038477**	50
		blue	**STTBS 2,5-PV BU**		**3035289**	50
Ground terminal block, for mounting on NS 35...		green-yellow				

Accessories[2])

Cover, width 2.2 mm		gray	**D-STTBS 2,5**		**3038503**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	22 A	**3030161**	50
	3	red	**FBS 3-5**	22 A	**3030174**	50
	4	red	**FBS 4-5**	22 A	**3030187**	50
	5	red	**FBS 5-5**	22 A	**3030190**	50
	10	red	**FBS 10-5**	22 A	**3030213**	10
	20	red	**FBS 20-5**	22 A	**3030226**	10
Vertical potential bridge, to connect the upper and lower level		black	**FBS-PV**		**3032185**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 2,5**		**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			



4 (6) mm², 34 A, double-level terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**92.4**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
34	**500**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	-	-
28 / 4	30 / -	-	-
4	-	-	-
28 - 10	28-10	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
			0.5 - 1
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STTBS 4		**3035056**	50
STTBS 4 BU		**3035069**	50
STTBS 4-PV		**3035085**	50

Accessories²)

D-STTBS 4		**3035098**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	28 A	**3030336**	50
FBS 3-6	28 A	**3030242**	50
FBS 4-6	28 A	**3030255**	50
FBS 5-6	28 A	**3030349**	50
FBS 10-6	28 A	**3030271**	10
FBS 20-6	28 A	**3030365**	10
FBS-PV		**3032185**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)



2.5 (4) mm², double-level ground terminal block

Ex: PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**78**	**55**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
STTBS 2,5-PE	**3038480**	50

Accessories²)

D-STTBS 2,5	**3038503**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
WST 2,5	**3030941**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)



4 (6) mm², double-level ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**92.4**	**55**	
		max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	-
28 - 10	28-10	28-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
			0.5 - 1
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
STTBS 4-PE	**3035072**	50

Accessories²)

D-STTBS 4	**3035098**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10

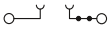
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

STS 2,5 ... / STTBS 4... desk-design knife disconnect and disconnect terminal blocks



- Same shape and pitch as the feed-through terminal blocks
- Knife disconnect terminal block with a current carrying capacity of 20 A
- Compact design
- Test connection parallel to disconnect point for test plugs with a 2.3 mm diameter
- For use in small terminal boxes
- For disconnect terminal block with universal disconnect zone for accommodating isolating plugs, feed-through connectors, component plugs, and fuse plugs, see page 483

Notes:
1) Observe max. load current.
2) Observe max. load current, depending on the power dissipation of the components. Max. 0.5 W with single arrangement.
3) For max. power dissipation, see page 724.
4) Current and voltage are determined by the plug used.
5) Lower level
6) Also see page 480.





2.5 (4) mm², 20 A, disconnect terminal block

Technical data

Dimensions				
				[mm]
	Width	Length	Height NS 35/7,5	
	5.2	**51**	**43**	
Max. electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	20[4])	**400[4])**	**0.08 - 4**	**28 - 12**
Rated data	IEC 60947-7-1			
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	400[4])	300	300	-
Nominal current / cross section	20[4]) / 2.5	16 / -	16 / -	-
Rated cross section	2.5	-	-	-
Cross section range	28 - 12	28-12	28-12	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule				0.5
General data				
Stripping length	10			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Disconnect terminal block, for mounting on NS 35...		gray	**STS 2,5-TG**		**3037009**	50
Knife disconnect terminal block, for mounting on NS 35...		gray				
		blue				

Accessories

Cover, width 2.2 mm		gray	**D-STS 2,5**		**3031762**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Switching lock, plug-in[6])		white				
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Isolating plug[1])		orange	**P-DI**		**3036783**	50
Feed-through connector[1])		gray	**P-FIX**		**3038956**	50
Component plug, labeled with ZBF 5 or UC-TMF 5[2])		gray	**P-CO**		**3036796**	10
Fuse plug, width 6.2 mm[3])		black	**P-FU 5X20**		**3036806**	10
With LED for 12-30 V DC, 0.31-0.95 mA		black	**P-FU 5X20 LED 24**		**3036819**	10
For 30-60 V AC/DC, 0.40-0.86 mA		black	**P-FU 5X20 LED 60**		**3036822**	10
For 110-250 V AC/DC, 0.41-0.96 mA		black	**P-FU 5X20 LA 250**		**3036835**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			



2.5 (4) mm², 20 A, knife disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	**51**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**400**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	300	-
20 / 2.5	16 / -	16 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

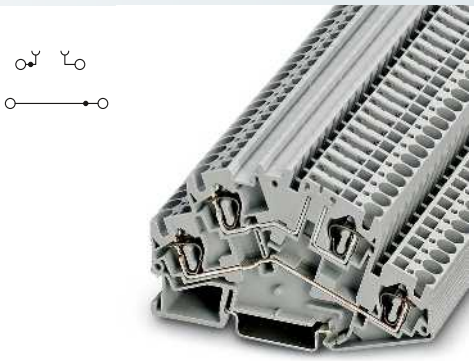
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STS 2,5-MT		**3036990**	50
STS 2,5-MT BU		**3035425**	50

Accessories

D-STS 2,5		**3031762**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
S-MT		**3247954**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)



4 (6) mm², 20 A, double-level terminal block with disconnect zone

Technical data

Width	Length	Height NS 35/7,5	
6.2	**92.4**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
34[5])	**500[4])**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500[4])	600	-	-
20[4]) / 2.5	16 / -	-	-
4	-	-	-
28 - 10	28-10	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

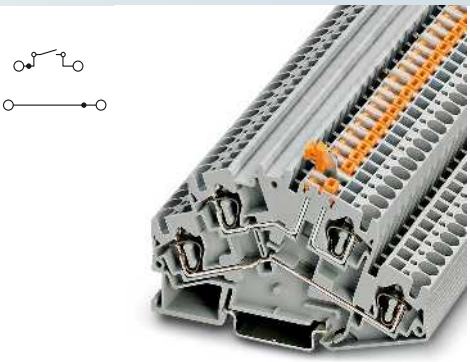
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STTBS 4-TG		**3035483**	50

Accessories

D-STTBS 4-MT		**3035548**	50
ISH 4/0,5		**3002885**	50
ISH 4/0,5		**3002885**	50
FBS 2-6	28 A	**3030336**	50
FBS 3-6	28 A	**3030242**	50
FBS 4-6	28 A	**3030255**	50
FBS 5-6	28 A	**3030349**	50
FBS 10-6	28 A	**3030271**	10
FBS 20-6	28 A	**3030365**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
P-FU 5X20 LED 24		**3036819**	10
P-FU 5X20 LED 60		**3036822**	10
P-FU 5X20 LA 250		**3036835**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)



4 (6) mm², 20 A, double-level knife disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**92.4**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
34[5])	**500**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	-	-
20 / 2.5	16 / -	-	-
4	-	-	-
28 - 10	28-10	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STTBS 4-MT		**3035470**	50
STTBS 4-MT BU		**3035522**	50

Accessories

D-STTBS 4-MT		**3035548**	50
ISH 4/1,0		**3002898**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	28 A	**3030336**	50
FBS 3-6	28 A	**3030242**	50
FBS 4-6	28 A	**3030255**	50
FBS 5-6	28 A	**3030349**	50
FBS 10-6	28 A	**3030271**	10
FBS 20-6	28 A	**3030365**	10
S-MT		**3247954**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

STI ... installation terminal blocks



The STI installation terminal blocks are characterized by the system features of the CLIPLINE complete system and the following features:

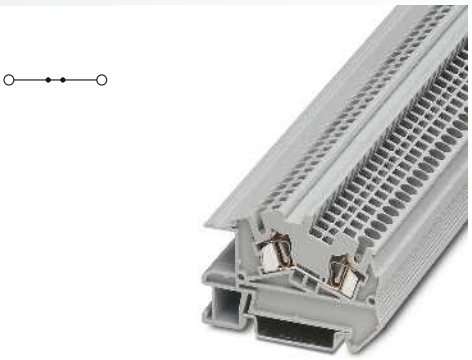
– Compact design tailored to installation distributor
– Each terminal point can be clearly labeled and easily recognized in each terminal block mounting position
– Compatible with all Phoenix Contact installation terminal blocks

Terminal strip service

We manufacture fully pre-assembled terminal strips for fitting straight in the installation distributor. This simplifies installation, saves time, and cuts costs.

Notes:

Assembly instructions:
For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.



2.5 (4) mm², 32 A, feed-through terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**59.5**	**43**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		32	**400**	**0.08 - 4** / **28 - 12**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400	600	600 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	28 - 12	28-12	28-12 / -
Connection capacity		solid	stranded	Ferrule / Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 4	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

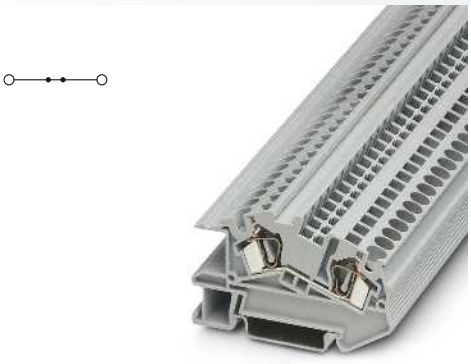
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**STI 2,5**	**3031924**	50
		blue	**STI 2,5 BU**	**3036217**	50

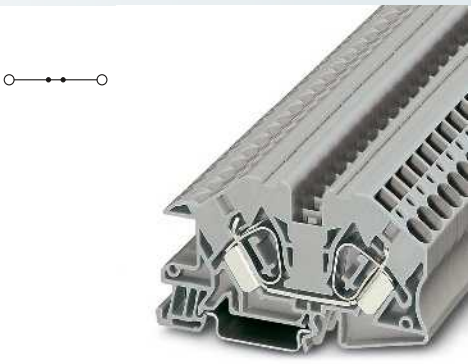
Accessories

Cover, width 2.2 mm		gray	**D-STI 2,5**	**3030569**	50
Cover, width 2 mm		gray			
Insulation stop sleeve, cross section range:					
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**	**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**	**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**	**3002869**	50
Plug-in bridge					
	2	red	**FBS 2-5**	**3030161**	50
	3	red	**FBS 3-5**	**3030174**	50
	4	red	**FBS 4-5**	**3030187**	50
	5	red	**FBS 5-5**	**3030190**	50
	10	red	**FBS 10-5**	**3030213**	10
	20	red	**FBS 20-5**	**3030226**	10
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**	**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**	**3030983**	10
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide		blue	**AB-STI**	**3030828**	50
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 2,5**	**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10

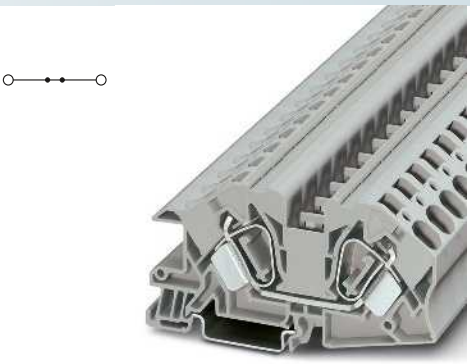
Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



4 (6) mm², 41 A, feed-through terminal block



10 (16) mm², 57 A, feed-through terminal block



16 (25) mm², 76 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**66**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**400**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
32 / 4	- / -	-	-
4	-	-	-
28 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
10	**87**	**49**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57	**400**	**0.2 - 16**	**24 - 6**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
57 / 10	- / -	-	-
10	-	-	-
24 - 6	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 16	0.2 - 10	0.25 - 10	0.25 - 10 1.5 - 2.5
18			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
12	**95**	**49**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
76	**400**	**0.2 - 25**	**24 - 4**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
76 / 16	- / -	-	-
16	-	-	-
24 - 4	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 25	0.2 - 16	0.25 - 16	0.25 - 16 1.5 - 4
18			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 4		**3031953**	50
STI 4 BU		**3036220**	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 10		**3038215**	25
STI 10 BU		**3038228**	25

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 16		**3038257**	25
STI 16 BU		**3038260**	25

Accessories

D-STI 4		**3030640**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
AB-STI		**3030828**	50
WST 4		**3030954**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Accessories

D-STI 10/16		**3038309**	25
FBS 2-10	57 A	**3005947**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
AB-STI 16/10		**3037669**	10
WST 10/35		**3030006**	25
SZF 2-0,8X4,0		**1204520**	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)
UC-TMF 10, UCT-TMF 10 or ZBF 10 (see Catalog 5)

Accessories

D-STI 10/16		**3038309**	25
FBS 2-12	76 A	**3005950**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
AB-STI 16/10		**3037669**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)
UC-TMF 12, UCT-TMF 12 or ZBF 12 (see Catalog 5)

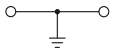
STI ...-PE installation ground terminal blocks

– Same shape and pitch as the feed-through terminal blocks
– Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
– The green-yellow housing clearly indicates the ground conductor function of the terminal block

Notes:

For current carrying capacity of DIN rails, see page 716.

Assembly instructions:
For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.





2.5 (4) mm², ground terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**5.2**	**59.5**	**43**
Max. electrical data				max. Ø [mm²] / AWG
				0.08 - 4 / 28 - 12
Rated data		IEC 60947-7-2 IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	28 - 12	28-12	28-12 / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 4	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

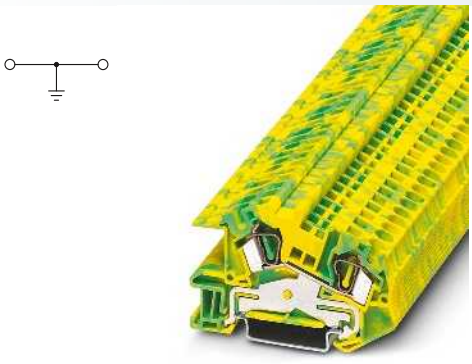
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**STI 2,5-PE**	**3031937**	50

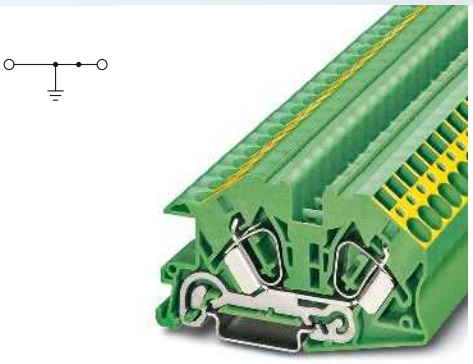
Accessories

Cover, width 2.2 mm		gray	**D-STI 2,5**	**3030569**	50
Cover, width 2 mm		gray			
Insulation stop sleeve, cross section range:					
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**	**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**	**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**	**3002869**	50
Plug-in bridge					
	2	red			
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide		blue	**AB-STI**	**3030828**	50
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 2,5**	**3030941**	50
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10

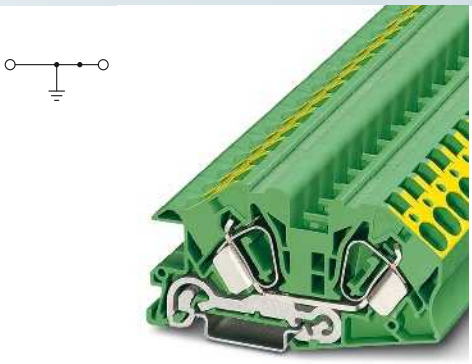
Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



4 (6) mm², ground terminal block



10 (16) mm², 57 A, ground terminal block



16 (25) mm², 76 A, ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**66**	**43**	
		max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	-
28 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
STI 4-PE	**3031966**	50

Accessories

D-STI 4	**3030640**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
AB-STI	**3030828**	50
WST 4	**3030954**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
10	**87**	**49**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
57		**0.2 - 16**	**24 - 6**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
57 / 10	- / -	-	-
10	-	-	-
24 - 6	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 16	0.2 - 10	0.25 - 10	0.25 - 10 1.5 - 2.5
18			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 10-PE		**3038231**	25

Accessories

D-STI 10/16		**3038309**	25
FBS 2-10	57 A	**3005947**	10
AB-STI 16/10		**3037669**	10
WST 10/35		**3030006**	25
SZF 2-0,8X4,0		**1204520**	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)
UC-TMF 10, UCT-TMF 10 or ZBF 10 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
12	**95**	**49**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
76		**0.2 - 25**	**24 - 4**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
76 / 16	- / -	-	-
16	-	-	-
24 - 4	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 25	0.2 - 16	0.25 - 16	0.25 - 16 1.5 - 4
18			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 16-PE		**3038273**	25

Accessories

D-STI 10/16		**3038309**	25
FBS 2-12	76 A	**3005950**	10
AB-STI 16/10		**3037669**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)
UC-TMF 12, UCT-TMF 12 or ZBF 12 (see Catalog 5)

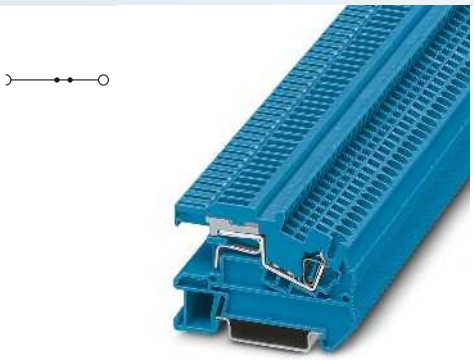
STN ... neutral conductor disconnect terminal block

– The N disconnect slides are located in the same position on all Phoenix Contact screw and spring-cage installation terminal blocks

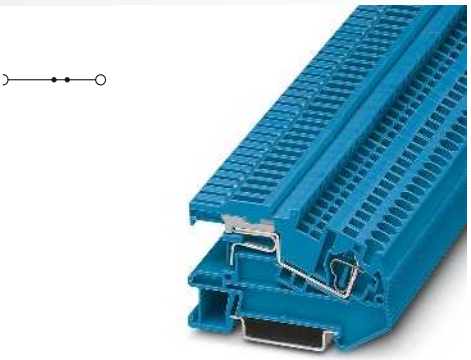
Notes:

Assembly instructions:
For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.

For L/N/PE AKG ... connection terminal blocks, see page 94.



2.5 (4) mm², 30 A, neutral disconnect terminal block



4 (6) mm², 36 A, neutral disconnect terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**59.5**	**43**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		30	**250**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1			
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	- / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Disconnect slide: thread / torque	- / [Nm]	- / -			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**66**	**43**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		36	**250**	**0.08 - 6**	**28 - 10**
Rated data		IEC 60947-7-1			
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	- / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	28 - 10	-	-	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	10			
Disconnect slide: thread / torque	- / [Nm]	- / -			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Neutral disconnect terminal block, for mounting on NS 35...		blue	**STN 2,5**		**3031940**	50

Ordering data

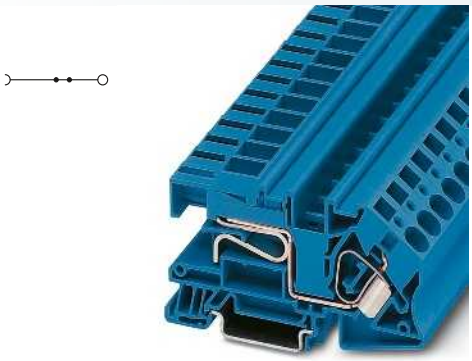
Type	I_{max}	Order No.	Pcs. / Pkt.
STN 4		**3031979**	50

Accessories

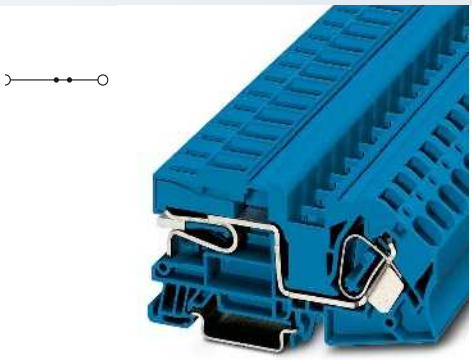
Cover, width 2.2 mm		gray	**D-STI 2,5**		**3030569**	50
Cover, width 2 mm		gray				
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide		blue	**AB-STI**		**3030828**	50
Warning cover, for actuation shafts, 5-pos.		yellow				
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			
Center and lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			

Accessories

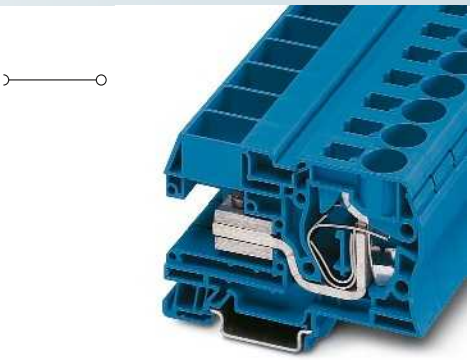
D-STI 4		**3030640**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
AB-STI		**3030828**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)			
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)			



10 (16) mm², 57 A, neutral disconnect terminal block



16 (25) mm², 76 A, neutral disconnect terminal block



35 (35) mm², 125 A, neutral disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
10	**87**	**50**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57	**400**	**0.2 - 16**	**24 - 6**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
57 / 10	- / -	-	-
10	-	-	-
24 - 6	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 16	0.2 - 10	1.5 - 10	1.5 - 10 1.5 - 2.5
18			
- / -			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STN 10		**3038244**	25

Accessories

D-STI 10/16		**3038309**	25
FBS 2-10	57 A	**3005947**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
AB-STI 16/10		**3037669**	10
WST 10/35		**3030006**	25
SZF 2-0,8X4,0		**1204520**	10
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)			

Technical data

Width	Length	Height NS 35/7,5	
12	**95**	**50**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
76	**400**	**0.2 - 25**	**24 - 4**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
76 / 16	- / -	-	-
16	-	-	-
24 - 4	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 25	0.2 - 16	1.5 - 16	1.5 - 16 1.5 - 4
18			
- / -			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STN 16		**3038286**	25

Accessories

D-STI 10/16		**3038309**	25
FBS 2-12	76 A	**3005950**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
AB-STI 16/10		**3037669**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)			

Technical data

Width	Length	Height NS 35/7,5	
16	**92**	**59**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
125	**400**	**2.5 - 35**	**14 - 2**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
125 / 35	- / -	-	-
35	-	-	-
14 - 2	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
2.5 - 35	2.5 - 35	2.5 - 35	2.5 - 35
25			
M5 / 2.5 - 3			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STN 35		**3038299**	10

Accessories

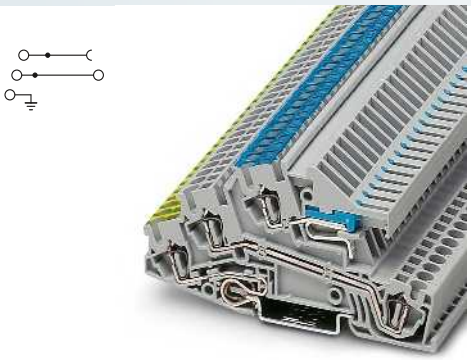
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
AB-STI 16/10		**3037669**	10
WST 10/35		**3030006**	25
SZF 3-1,0X5,5		**1206612**	10
UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 5) UC-TMF 16, UCT-TMF 16 or ZBF 16 (see Catalog 5)			

STI ... three-level installation terminal blocks

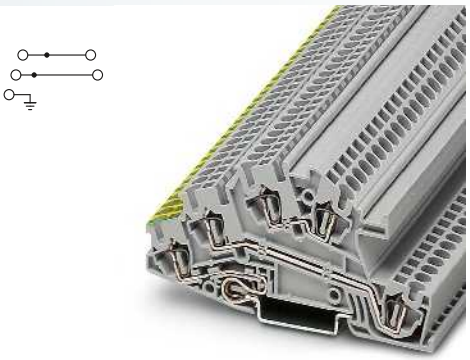
– Optimum operating convenience with extremely compact design
– Quickly wire load circuits with a pitch of just 5.2 mm
– Each terminal point can be clearly labeled

Notes:

Assembly instructions:
For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.



2.5 (4) mm², 20 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor can be disconnected, 1 x PE



2.5 (4) mm², 24 A, three-level terminal block, 2 x L phase conductor, 1 x PE

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**97**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		20	**400**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 / IEC 60947-7-2			
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Phase conductor / phase conductor	[V]	400	-	-	-
Phase conductor / PE	[V]	250	-	-	-
Phase conductor / N	[V]	250	-	-	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	28-12	28-12	-
Connection capacity		solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**97**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24	**400**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 / IEC 60947-7-2			
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Phase conductor / phase conductor	[V]	400	-	-	-
Phase conductor / PE	[V]	250	-	-	-
Phase conductor / N	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	28-12	28-12	-
Connection capacity		solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**STI 2,5-PE/L/NT**		**3031827**	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 2,5-PE/L/L		**3031830**	50

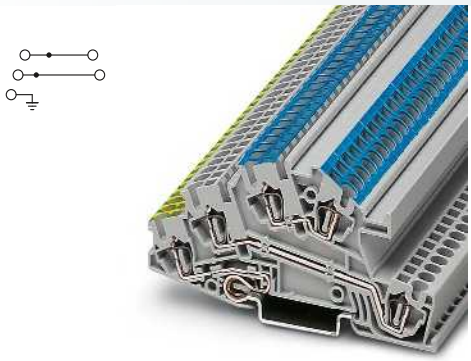
Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, solid up to 16 mm², 10 mm wide		blue	**AKG 16 BU**		**0423014**	50
Up to 35 mm² solid, 14.3 mm wide		blue	**AKG 35 BU**		**0424013**	50
Cover, width 2.2 mm		gray	**D-STI/3**		**3030844**	10
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-STI/3**		**3030857**	10
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide		blue	**AB-STI/3**		**3030831**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

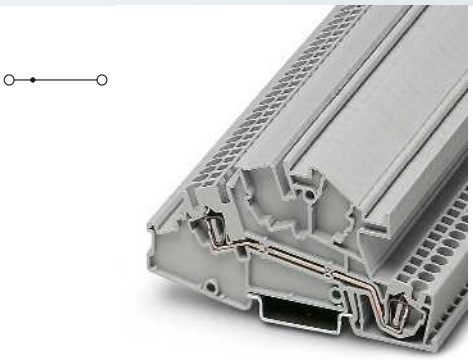
Accessories

D-STI/3		**3030844**	10
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-STI/3		**3030857**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4-N GY		**3032871**	10
PS-5		**3030983**	10
AB-STI/3		**3030831**	10
SZF 1-0,6X3,5		**1204517**	10

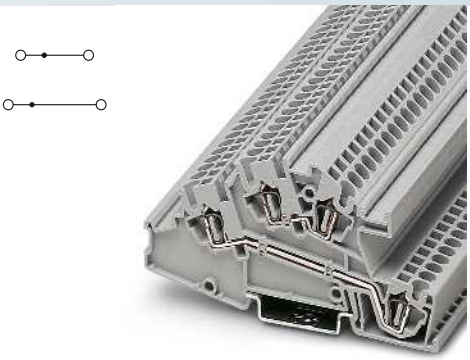
Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



2.5 (4) mm², 24 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor, 1 x PE



2.5 (4) mm², 24 A, three-level terminal block, 1 x L phase conductor



2.5 (4) mm², 24 A, three-level terminal block, 2 x L phase conductor

Technical data

Width	Length	Height NS 35/7,5	
5.2	**97**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**400**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	300	-
400	-	-	-
250	-	-	-
400	-	-	-
24 / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 2,5-PE/L/N		**3031843**	50

Accessories

D-STI/3		**3030844**	10
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-STI/3		**3030857**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4-N GY		**3032871**	10
PS-5		**3030983**	10
AB-STI/3		**3030831**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**97**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**400**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	300	-
400	-	-	-
-	-	-	-
-	-	-	-
24 / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 2,5-L		**3031869**	50

Accessories

D-STI/3		**3030844**	10
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-STI/3		**3030857**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4-N GY		**3032871**	10
PS-5		**3030983**	10
AB-STI/3		**3030831**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**97**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**400**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	300	-
400	-	-	-
-	-	-	-
-	-	-	-
24 / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 2,5-L/L		**3031856**	50

Accessories

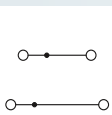
D-STI/3		**3030844**	10
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-STI/3		**3030857**	10
NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
PAI-4-N GY		**3032871**	10
PS-5		**3030983**	10
AB-STI/3		**3030831**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

STI ... three-level installation terminal blocks

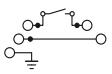
– The terminal blocks with the knife disconnect zone in the upper level comply with the safety requirement of single circuit disconnection according to DIN VDE 0100-718

Notes:
For more plug-in bridges, see page 472.
For corresponding function plugs, see page 480.
[1]) Also see page 480.





2.5 (4) mm², 24 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor





2.5 (4) mm², 24 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor can be disconnected, 1 x PE

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**97**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24	**400**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Phase conductor / phase conductor	[V]	400	-	-	-
Phase conductor / PE	[V]	400	-	-	-
Phase conductor / N	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	28-12	28-12	-
Disconnect level rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	-	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**97**	**50.5**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24	**400**	**0.08 - 4**	**28 - 12**
		IEC 60947-7-1 / IEC 60947-7-2 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Phase conductor / phase conductor	[V]	400	-	-	-
Phase conductor / PE	[V]	250	-	-	-
Phase conductor / N	[V]	250	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	28-12	28-12	-
		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	16 / 2.5	16 / -	16 / -	-
		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
		10			
		PA			
		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**STI 2,5-L/N**		**3201851**	50

Ordering data

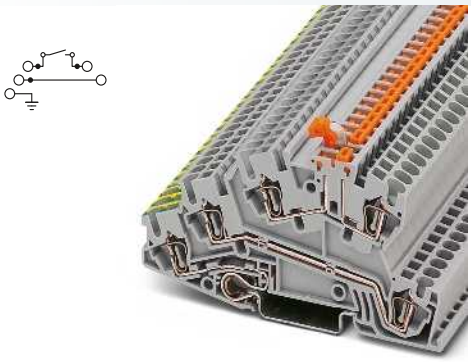
Type	I_{max}	Order No.	Pcs. / Pkt.
STI 2,5-PE/L/NTB		**3038642**	50

Accessories

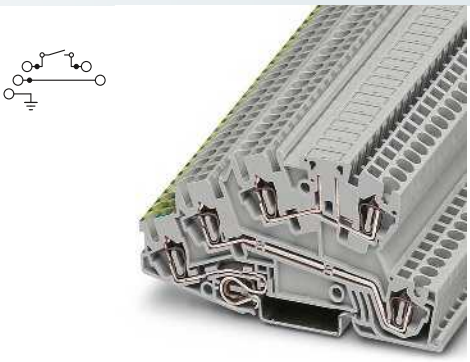
Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, solid up to 16 mm², 10 mm wide		blue	**AKG 16 BU**		**0423014**	50
Up to 35 mm² solid, 14.3 mm wide		blue	**AKG 35 BU**		**0424013**	50
Cover, width 2.2 mm		gray	**D-STI/3**		**3030844**	10
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	20	red	**FBS 20-5**	24 A	**3030226**	10
Switching lock, plug-in[1])		white				
Partition plate, 2 mm width		gray	**ATP-STI/3**		**3030857**	10
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide		blue	**AB-STI/3**		**3030831**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			
Center and lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			

Accessories

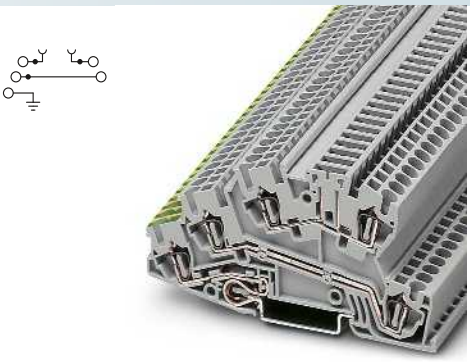
D-STI/3B		**3038655**	10	
FBS 2-5	24 A	**3030161**	50	
FBS 5-5	24 A	**3030190**	50	
FBS 20-5	24 A	**3030226**	10	
S-MT		**3247954**	50	
PAI-4-N GY		**3032871**	10	
PS-5		**3030983**	10	
SZF 1-0,6X3,5		**1204517**	10	
UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)				
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)				



2.5 (4) mm², 24 A, three-level terminal block, 1 x L phase conductor, 1 phase conductor can be disconnected



2.5 (4) mm², 24 A, three-level terminal block, 2 x L phase conductor



2.5 (4) mm², 24 A, three-level terminal block, 1 x L phase conductor, 1 x PE, 1 x disconnect zone

Technical data

Width	Length	Height NS 35/7,5	
5.2	**97**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**400**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	300	-
400	-	-	-
250	-	-	-
-	-	-	-
24 / 2.5	20 / -	20	-
2.5	-	-	-
28 - 12	28-12	28-12	-
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16 / 2.5	16 / -	16 / -	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 2,5-PE/L/LTB		**3032130**	50

Accessories

D-STI/3B		**3038655**	10
FBS 2-5	24 A	**3030161**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
S-MT		**3247954**	50
PAI-4-N GY		**3032871**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**97**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**400**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	300	-
400	-	-	-
250	-	-	-
-	-	-	-
24 / 2.5	20 / -	20	-
2.5	-	-	-
28 - 12	28-12	28-12	-
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16 / 2.5	16 / -	16 / -	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STI 2,5-PE/L/LB		**3035205**	50

Accessories

D-STI/3B		**3038655**	10
FBS 2-5	24 A	**3030161**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
PAI-4-N GY		**3032871**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**97**	**50.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**400**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	300	-
400	-	-	-
250	-	-	-
-	-	-	-
24 / 2.5	20 / -	20	-
2.5	-	-	-
28 - 12	28-12	28-12	-
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16 / 2.5	16 / -	16 / -	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 4	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Ordering data

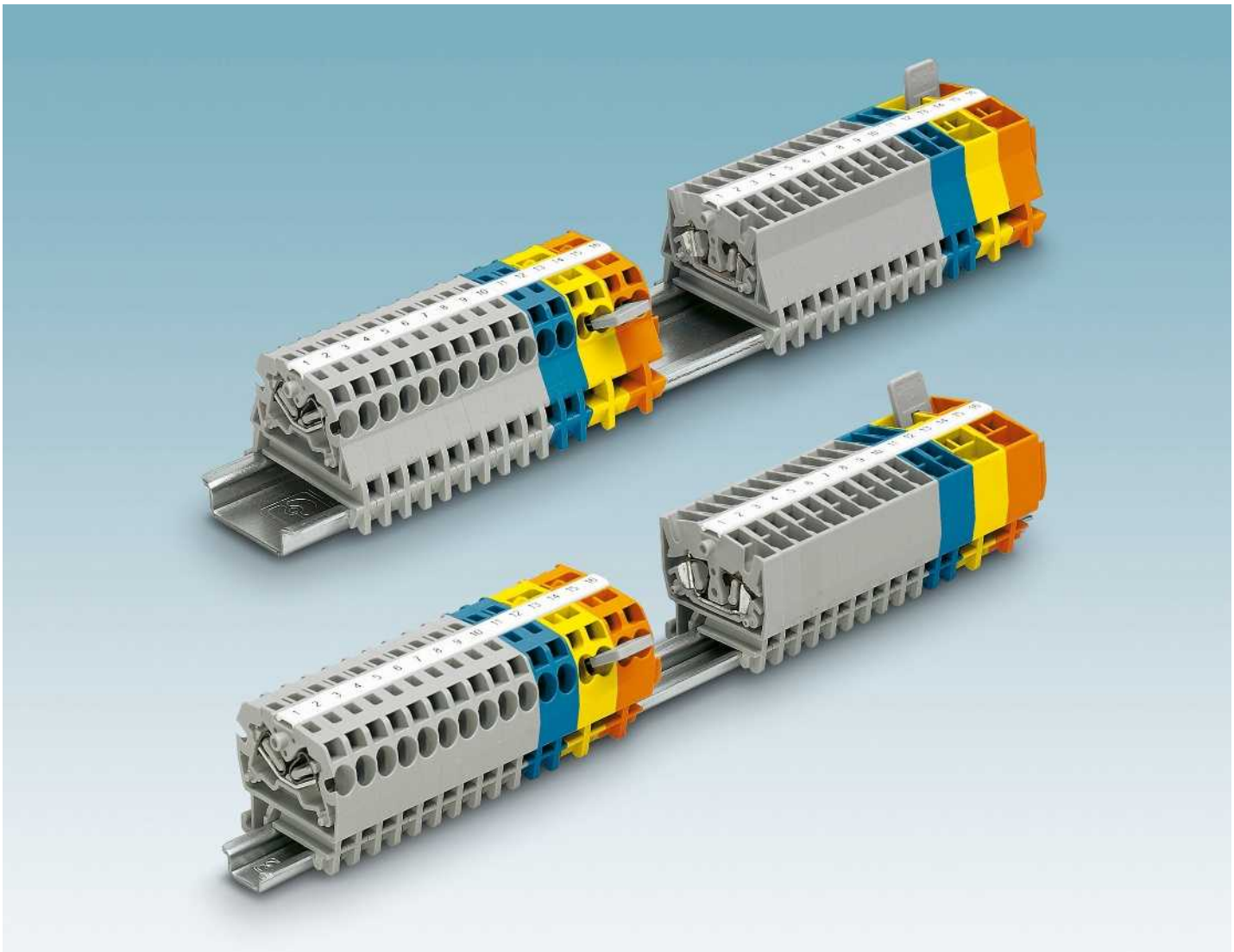
Type	I_{max}	Order No.	Pcs. / Pkt.
STI 2,5-PE/L/TG		**3039942**	50

Accessories

D-STI/3B		**3038655**	10
FBS 2-5	24 A	**3030161**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
PAI-4-N GY		**3032871**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

MSB and MSBV mini spring-cage terminal blocks





Miniature terminal connection with maximum benefits

Thanks to the space-saving design and conductor entry from above and from the side, MSB 2,5 and MSBV 2,5 mini spring-cage terminal blocks are ideal for wiring in a confined space.



Maximum connection space

Thanks to their maximum connection space, miniature spring-cage terminal blocks offer a quick means of wiring solid and stranded conductors, even for conductors of nominal cross section with assembled ferrule.



Flexible application

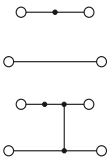
The miniature spring-cage terminal blocks are available for DIN rail mounting on NS 15 or NS 35 and direct mounting with screw flange or engagement pin.

MZFKK 1,5 and MZFKKB 1,5 mini double-level terminal blocks

- For maximum space saving with 5.2 mm pitch
- Fit on NS 15 and NS 35 DIN rails
- Bridging facility in both levels with MZFKKB 1,5
- Each terminal point can be labeled

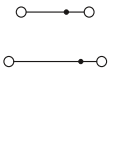
Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.





1.5 (2.5) mm², 24 A, double-level terminal block





1.5 (2.5) mm², 20 A, double-level terminal block, both levels can be bridged

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**67.5**	**42.5**	
Dimensions		Width	Length	Height NS 15	
	[mm]	**5.2**	**67.5**	**42**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24	**500**	**0.14 - 2.5**	**26 - 14**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	-	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	-	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	26 - 14	26-14	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Two stranded conductors with a TWIN ferrule	[mm²]				
General data					
Stripping length	[mm]	9			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Mini spring-cage terminal block, for mounting on NS 15 or NS 35 DIN rail		gray	**MZFKK 1,5**		**3029813**	50
Mini spring-cage terminal block, for mounting on NS 15 or NS 35 DIN rail, with potential distribution between the levels[1])		gray	**MZFKK 1,5-PV**		**3029826**	50

Accessories

Cover, width 1 mm		gray	**D-MZFKK 1,5**		**3029839**	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulation collar						
	2	silver	**FBRI 2-5 N**	20 A	**3000227**	10
	3	silver	**FBRI 3-5 N**	20 A	**3000201**	10
	10	silver	**FBRI 10-5 N**	20 A	**2770642**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			

Technical data

		Width	Length	Height NS 35/7,5	
		5.2	**85**	**42.5**	
		Width	Length	Height NS 15	
		5.2	**85**	**42**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		20	**500**	**0.14 - 2.5**	**26 - 14**
		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
		500	600	-	-
		17.5 / 1.5	15 / -	-	-
		1.5	-	-	-
		26 - 14	26-14	-	-
		solid	stranded	Ferrule Without / with plastic sleeve	
		0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
		9			
		PA			
		V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
MZFKKB 1,5		**3005714**	50

Accessories

D-MZFKK 1,5		**3029839**	50
FBRI 2-5 N	20 A	**3000227**	10
FBRI 3-5 N	20 A	**3000201**	10
FBRI 10-5 N	20 A	**2770642**	10
TS-KK 3		**2770215**	50
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)			

MS(D)B 2,5 mini feed-through and ground terminal block, for mounting on NS 15



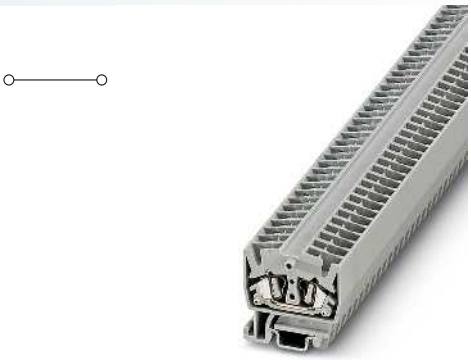
- Can be used in smaller terminal boxes
- For connecting smaller motors and wiring in the lower power spectrum
- The mini spring-cage terminal block for NS 15 DIN rails is available as a 2 and 4-wire terminal block
- Maximum wiring space, 4 mm² solid or 2.5 mm² stranded conductors can also be contacted with ferrules
- Ideal for wiring in a small amount of space
- Ground terminal block of the same shape makes contact when simply snapped on and meets the high requirements of IEC 60947−7−2

Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) For installation notes on the use of accessories for Ex e applications, see page 710.



2.5 (4) mm², 30 A, feed-through terminal block

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data

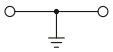
Dimensions			
Width	Length	Height NS 15	
5.2	**32**	**30**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**800**	**0.08 - 4**	**28 - 12**
Rated data	IEC 60947-7-1		Ex
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	800	600	600	690
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	22 / 2.5 // 28 / 4
Rated cross section [mm²]	2.5	-	-	2.5
Cross section range AWG	28 - 12	28-12	28-12	28 - 12
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Stripping length [mm]	8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

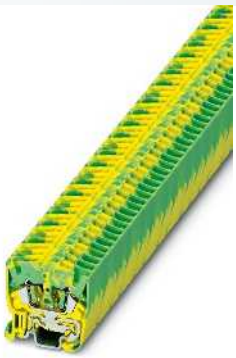
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Mini terminal block, for mounting on NS 15		gray	**MSB 2,5**	**3244012**	50
		blue	**MSB 2,5 BU**	**3244025**	50
		orange	**MSB 2,5 OG**	**3244038**	50
		yellow	**MSB 2,5 YE**	**3073092**	50
Mini ground terminal block, for mounting on NS 15		green-yellow			
Double mini terminal block, with four terminal points having the same potential, for mounting on NS 15		gray			
		blue			
		orange			
		yellow			

Accessories[2])

Cover, width 4 mm	gray	**D-MZB 1,5**	**3024177**	50
	blue	**D-MZB 1,5 BU**	**3024423**	50
Insertion bridge, fully insulated	2	gray			
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10
Center groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		





2.5 (4) mm², ground terminal block



2.5 (4) mm², 30 A, feed-through terminal block, 4 connections

Ex:
PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data

Width	Length	Height NS 15	
5.2	**32**	**30**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
MSB 2,5-PE	**3244151**	50

Accessories²)

D-MZB 1,5	**3024177**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 15	
10.4	**32**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30¹)	**800**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	690
24¹) / 2.5	20 / -	20 / -	22 / 2.5 // 28 / 4
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
MSDB 2,5		**3244216**	50
MSDB 2,5 BU		**3244229**	50
MSDB 2,5 OG		**3073102**	50
MSDB 2,5 YE		**3073115**	50

Accessories²)

D-MZB 1,5		**3024177**	50
ESB 2-MZDB	24 A	**3029703**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

MS(D)B 2,5 mini feed-through and ground terminal block, for mounting on NS 35

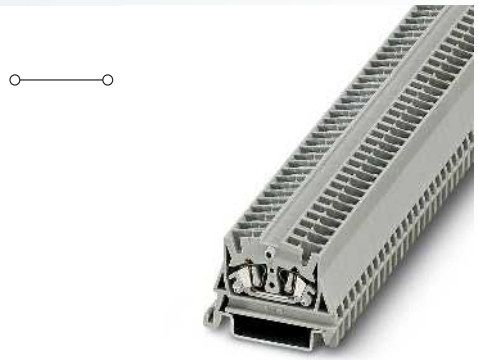
– The mini spring-cage terminal block for NS 35 DIN rails is available as a 2 and 4-wire terminal block
– Maximum wiring space, 4 mm² solid or 2.5 mm² stranded conductors can also be contacted with ferrules
– Ideal for wiring in a small amount of space
– Ground terminal block of the same shape makes contact when simply snapped on and meets the high requirements of IEC 60947−7−2

Notes:

For current carrying capacity of DIN rails, see page 716.

1) The total current of all connected conductors must not exceed the max. load current.

2) For installation notes on the use of accessories for Ex e applications, see page 710.



2.5 (4) mm², 30 A, feed-through terminal block

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data

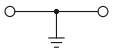
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**42.7**	**32**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		30	**800**	**0.08 - 4** / **28 - 12**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800	600	600 / 690
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / 22 / 2.5 // 28 / 4
Rated cross section	[mm²]	2.5	-	- / 2.5
Cross section range	AWG	28 - 12	28-12	28-12 / 28 - 12
Connection capacity		solid	stranded	Ferrule / Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Mini terminal block, for mounting on NS 35		gray	**MSB 2,5-NS 35**	**3244119**	50
		blue	**MSB 2,5-NS 35 BU**	**3244122**	50
		orange	**MSB 2,5-NS 35 OG**	**3244135**	50
		yellow	**MSB 2,5-NS 35 YE**	**3073128**	50
Mini ground terminal block, for mounting on NS 35...		green-yellow			
Double mini terminal block, with four terminal points having the same potential, for mounting on NS 35		gray			
		blue			
		orange			
		yellow			

Accessories2)

Cover, width 4 mm	gray	**D-MZB 1,5**	**3024177**	50
	blue	**D-MZB 1,5 BU**	**3024423**	50
Insertion bridge, fully insulated				
	2 gray			
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10
Center groove labeling		**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		





For mounting on NS 35 DIN rail acc. to EN 60715



2.5 (4) mm², 30 A, feed-through terminal block, 4 connections

Ex:

PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**42.7**	**32**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
8			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
10.4	**42.7**	**32**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	**800**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	690
24[1]) / 2.5	20 / -	20 / -	22 / 2.5 // 28 / 4
2.5	-	-	2.5
28 - 12	28-12	28-12	28 - 12
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
MSB 2,5-NS 35-PE	**3244148**	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
MSDB 2,5-NS 35		**3244300**	50
MSDB 2,5-NS 35 BU		**3244313**	50
MSDB 2,5-NS 35 OG		**3244326**	50
MSDB 2,5-NS 35 YE		**3073131**	50

Accessories[2])

D-MZB 1,5	**3024177**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Accessories[2])

D-MZB 1,5		**3024177**	50
ESB 2-MZDB	24 A	**3029703**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

MS(D)B 2,5 mini feed-through terminal blocks, for direct mounting with flange

– MS(D)B 2,5-M middle terminal blocks can be mounted directly on a mounting plate in conjunction with the MS(D)B 2,5-F flange terminal block and the D-MZB 1,5-F flange end cover

Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) For installation notes on the use of accessories for Ex e applications, see page 710.



2.5 (4) mm², 30 A, feed-through terminal block, for grouping

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**32**	**22**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		30	**800**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	Ex IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	22 / 2.5 // 28 / 4
Rated cross section	[mm²]	2.5	-	-	2.5
Cross section range	AWG	28 - 12	28-12	28-12	28 - 12
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Mini middle terminal block, mounting in conjunction with flange and engagement pin versions		gray	**MSB 2,5-M**	**3244067**	50
		blue	**MSB 2,5-M BU**	**3244070**	50
		orange	**MSB 2,5-M OG**	**3244096**	50
		yellow	**MSB 2,5-M YE**	**3244106**	50
Mini flange terminal block, for direct mounting with screws		gray	**MSB 2,5-F**	**3244041**	50
		blue	**MSB 2,5-F BU**	**3244054**	50

Accessories[2])

Cover, width 4 mm		gray	**D-MZB 1,5**	**3024177**	50
		blue	**D-MZB 1,5 BU**	**3024423**	50
Cover, with flange, width 9.9 mm		gray	**D-MZB 1,5-F**	**3024180**	50
		blue	**D-MZB 1,5-F BU**	**3024449**	50
Insertion bridge, fully insulated	2	gray			
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10
Center groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		



2.5 (4) mm², 30 A, feed-through terminal block, 4 connections, for grouping

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data

		Width	Length	Height	
		10.4	**32**	**22**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		30[1])	**800**	**0.08 - 4**	**28 - 12**
		IEC 60947-7-1 IEC	UL/CUL	CSA	Ex IEC/ EN 60079-7
		800	600	600	550
		24[1]) / 2.5	20 / -	20 / -	22 / 2.5 // 28 / 4
		2.5	-	-	2.5
		28 - 12	28-12	28-12	28 - 12
		solid	stranded	Ferrule Without / with plastic sleeve	
		0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
					0.5
		8			
		PA			
		V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
MSDB 2,5-M		**3244258**	50
MSDB 2,5-M BU		**3244261**	50
MSDB 2,5-M OG		**3244287**	50
MSDB 2,5-M YE		**3244290**	50
MSDB 2,5-F		**3244232**	50
MSDB 2,5-F BU		**3244245**	50

Accessories[2])

Type		Order No.	Pcs. / Pkt.
D-MZB 1,5		**3024177**	50
D-MZB 1,5 BU		**3024423**	50
D-MZB 1,5-F		**3024180**	50
D-MZB 1,5-F BU		**3024449**	50
ESB 2-MZDB	24 A	**3029703**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)			

MS(D)B 2,5 mini feed-through terminal blocks, for direct mounting with engagement pin

– The MS(D)B 2,5 RZ engagement pin versions can be directly snapped onto predrilled base plates
– Can be freely combined with MS(D)B 2,5–M middle terminal blocks

Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) For installation notes on the use of accessories for Ex e applications, see page 710.



2.5 (4) mm², 30 A, feed-through terminal block, with engagement pin

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data

Dimensions				
	Width	Length	Height	
[mm]	**5.2**	**32**	**22**	
Max. electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	30	**800**	**0.08 - 4**	**28 - 12**
Rated data	IEC 60947-7-1			Ex
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	800	600	600	550
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	22 / 2.5 // 28 / 4
Rated cross section [mm²]	2.5	-	-	2.5
Cross section range AWG	28 - 12	28-12	28-12	28 - 12
Connection capacity	solid	stranded	Ferrule	
			Without / with plastic sleeve	
1 conductor [mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Plate thickness [mm]	0.6 - 1.5			
Hole diameter [mm]	3.5			
Drill hole spacing [mm]	5.2			
Stripping length [mm]	8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Mini terminal block, for direct mounting using engagement pins		gray	**MSB 2,5-RZ**	**3244164**	50
		blue	**MSB 2,5-RZ BU**	**3244177**	50
		orange	**MSB 2,5-RZ OG**	**3244193**	50
		yellow	**MSB 2,5-RZ YE**	**3244203**	50
Double mini terminal block, with four terminal points having the same potential, for direct mounting with an engagement pin		gray			
		blue			
		orange			
		yellow			

Accessories[2])

Cover, width 4 mm		gray	**D-MZB 1,5**	**3024177**	50
		blue	**D-MZB 1,5 BU**	**3024423**	50
Insertion bridge, fully insulated					
	2	gray			
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10
Center groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		



2.5 (4) mm², 30 A, feed-through terminal block, 4 connections, with engagement pin

Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data

Dimensions				
	Width	Length	Height	
[mm]	**10.4**	**32**	**22**	
Max. electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	30[1])	**800**	**0.08 - 4**	**28 - 12**
Rated data	IEC 60947-7-1			Ex
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	800	600	600	550
Nominal current / cross section [A] / [mm²]	24[1]) / 2.5	20 / -	20 / -	22 / 2.5 // 28 / 4
Rated cross section [mm²]	2.5	-	-	2.5
Cross section range AWG	28 - 12	28-12	28-12	28 - 12
Connection capacity	solid	stranded	Ferrule	
			Without / with plastic sleeve	
1 conductor [mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Plate thickness [mm]	0.6 - 1.5			
Hole diameter [mm]	3.5			
Drill hole spacing [mm]	10.3			
Stripping length [mm]	8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
MSDB 2,5-RZ		**3244339**	50
MSDB 2,5-RZ BU		**3244342**	50
MSDB 2,5-RZ OG		**3244368**	50
MSDB 2,5-RZ YE		**3244371**	50

Accessories[2])

D-MZB 1,5		**3024177**	50
D-MZB 1,5 BU		**3024423**	50
ESB 2-MZDB	24 A	**3029703**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)			

MS(D)BV 2,5 mini feed-through terminal blocks, for mounting on NS 15 DIN rails



- Thanks to the lateral conductor connection, especially suitable for mounting locations with low installation height
- The terminal block can be actuated from the side as well as from the front using a standard screwdriver
- For mounting on NS 15 ... DIN rails

Notes:

1) The total current of all connected conductors must not exceed the max. load current.



2.5 (4) mm², 30 A, lateral conductor entry, feed-through terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 15
		5.2	**32**	**30**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		30	**800**	**0.08 - 4** / **28 - 12**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800	600	600 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	28 - 12	28-12	28-12 / -
Connection capacity		solid	stranded	Ferrule / Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

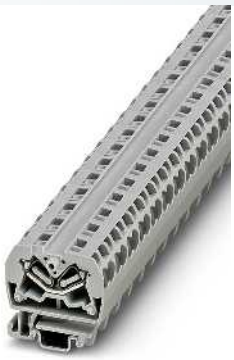
Description	Color	Type	Order No.	Pcs. / Pkt.
Mini terminal block, with lateral conductor entry, for mounting on NS 15	gray	**MSBV 2,5**	**3249017**	50
	blue	**MSBV 2,5 BU**	**3249020**	50
	orange	**MSBV 2,5 OG**	**3073157**	50
	yellow	**MSBV 2,5 YE**	**3073144**	50
Double miniature terminal block, with 4 equipotential terminal points, with lateral conductor entry, for direct mounting on NS 15	gray			
	blue			
	orange			
	yellow			

Accessories

Cover, width 4 mm	gray	**D-MSBV 2,5**	**3251018**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10

Center groove labeling

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



2.5 (4) mm², 30 A, lateral conductor entry, feed-through terminal block, 4 connections

Technical data

Width	Length	Height NS 15	
10.4	**32**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	**800**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
24[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
MSDBV 2,5	**3249143**	50
MSDBV 2,5 BU	**3249156**	50
MSDBV 2,5 OG	**3073173**	50
MSDBV 2,5 YE	**3073160**	50

Accessories

D-MSBV 2,5	**3251018**	50
SZF 1-0,6X3,5	**1204517**	10

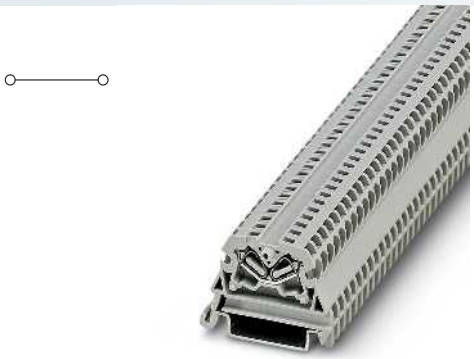
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

MS(D)BV 2,5 mini feed-through terminal blocks, for mounting on NS 35 DIN rails

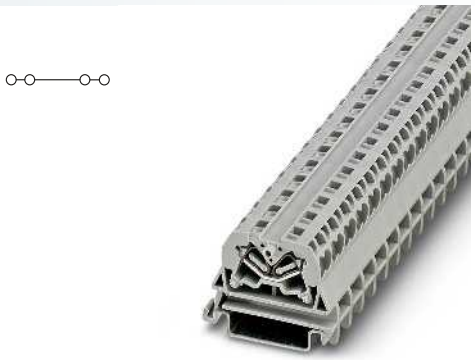
– For mounting on NS 35 ... DIN rails
– Same advantages as the version for NS 15 ... DIN rails

Notes:

1) The total current of all connected conductors must not exceed the max. load current.



2.5 (4) mm², 30 A, lateral conductor entry, feed-through terminal block



2.5 (4) mm², 30 A, lateral conductor entry, feed-through terminal block, 4 connections

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**42.7**	**32**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		30	**800**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	28-12	28-12	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Mini terminal block, with lateral conductor entry, for mounting on NS 35	gray	**MSBV 2,5-NS 35**	**3249088**	50
	blue	**MSBV 2,5-NS 35 BU**	**3249091**	50
	orange	**MSBV 2,5-NS 35 OG**	**3073199**	50
	yellow	**MSBV 2,5-NS 35 YE**	**3073186**	50
Double miniature terminal block, with 4 equipotential terminal points, with lateral conductor entry, for direct mounting on NS 35	gray			
	blue			
	orange			
	yellow			

Accessories

Cover, width 4 mm	gray	**D-MSBV 2,5**	**3251018**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10

Center groove labeling

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

		Width	Length	Height NS 35/7,5	
		10.4	**42.7**	**32**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		30[1])	**800**	**0.08 - 4**	**28 - 12**
		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	24[1]) / 2.5	20 / -	20 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	28-12	28-12	-
		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
		8			
		PA			
		V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
MSDBV 2,5-NS 35	**3249211**	50
MSDBV 2,5-NS 35 BU	**3249224**	50
MSDBV 2,5-NS 35 OG	**3073212**	50
MSDBV 2,5-NS 35 YE	**3073209**	50

Accessories

D-MSBV 2,5	**3251018**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

MS(D)BV 2,5 mini feed-through terminal blocks, for direct mounting with flange

– MS(D)BV 2,5-M middle terminal blocks can be mounted directly on a mounting plate in conjunction with the MS(D)BV 2,5-F flange terminal block and the D-MZBV 2,5-F flange end cover

Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.



2.5 (4) mm², 30 A, feed-through terminal block, for grouping



2.5 (4) mm², 30 A, feed-through terminal block, 4 connections, for grouping

Technical data

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**32**	**22**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		30	**800**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1			
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	28-12	28-12	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Mini middle terminal block, with lateral conductor entry, mounting in conjunction with flange and engagement pin versions	gray	**MSBV 2,5-M**	**3249062**	50
	blue	**MSBV 2,5-M BU**	**3249075**	50
	orange	**MSBV 2,5-M OG**	**3073238**	50
	yellow	**MSBV 2,5-M YE**	**3073225**	50
Mini flange terminal block, with lateral conductor entry, for direct mounting with screws	gray	**MSBV 2,5-F**	**3249059**	50
	blue	**MSBV 2,5-F BU**	**3249046**	50
Double miniature terminal block, middle terminal block, with 4 equipotential bonding terminal points, with lateral conductor entry, mounting in conjunction with flange and engagement pin variants	gray			
	blue			
	orange			
	yellow			
Double miniature terminal block, flange terminal block, with 4 equipotential bonding terminal points, with lateral conductor entry, for direct mounting with screws	gray			
	blue			

Accessories

Cover, width 4 mm	gray	**D-MSBV 2,5**	**3251018**	50
Flange cover, for direct mounting with screws	gray	**D-MSBV 2,5-F**	**3251021**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10
Center groove labeling		**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		

Technical data

Dimensions		Width	Length	Height	
	[mm]	**10.4**	**32**	**22**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		30[1])	**800**	**0.08 - 4**	**28 - 12**
Rated data		IEC 60947-7-1			
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	24[1]) / 2.5	20 / -	20 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	28-12	28-12	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
MSDBV 2,5-M	**3249198**	50
MSDBV 2,5-M BU	**3249208**	50
MSDBV 2,5-M OG	**3073254**	50
MSDBV 2,5-M YE	**3073241**	50
MSDBV 2,5-F	**3249172**	50
MSDBV 2,5-F BU	**3249185**	50

Accessories

D-MSBV 2,5	**3251018**	50
D-MSBV 2,5-F	**3251021**	50
SZF 1-0,6X3,5	**1204517**	10
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)		


QT
QT

QT fast connection terminal blocks

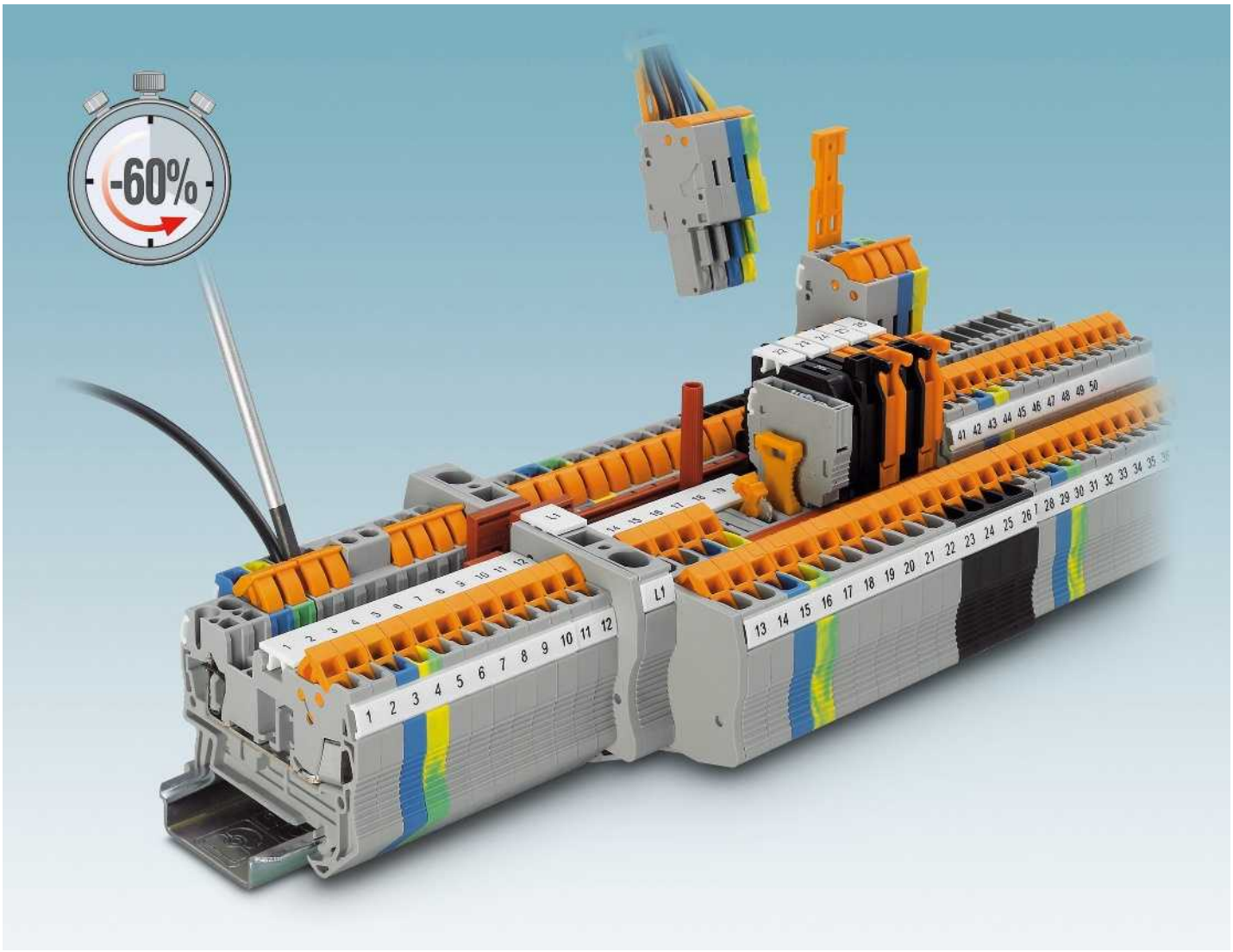
The use of QT fast connection terminal blocks can save up to 60 percent of the time required for wiring, since stripping and fitting splicing protection are no longer necessary. The cables just need to be cut to length for contact to be made in a matter of seconds. An important characteristic is the space-saving connection with patented insulation displacement contact.

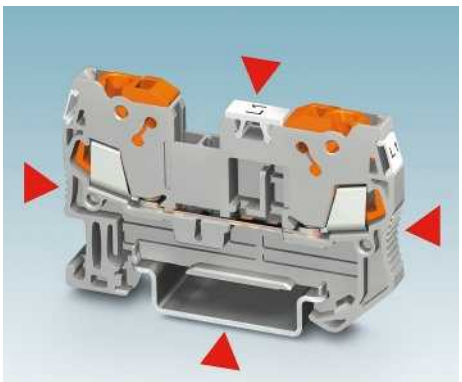
The start and end positions of the conductor connection are clearly identified by engagement points. When a conductor is connected, the insulation is cut open, displaced, and the conductor is securely engaged in the end position where it makes extensive, gas-tight contact. Solid and stranded conductors from 0.25 to 2.5 mm² can be wired without aids such as guide ferrules.

The high quality of the QT fast connection terminal blocks is proven by the fact that this connection technology features various approvals and is certified under the standard for Ex e applications.

Product range overview

QT fast connection terminal blocks	**306**
Feed-through terminal blocks	**308**
Ground terminal blocks	**310**
Double-level terminal blocks	**312**
Lever-type fuse terminal blocks	**314**
Lever-type disconnect terminal block	**315**
Disconnect terminal blocks for accommodating function plugs	**316**
Knife disconnect terminal blocks	**318**
Hybrid feed-through terminal blocks with screw connection on one side	**320**
Hybrid feed-through terminal blocks with spring-cage connection on one side	**324**

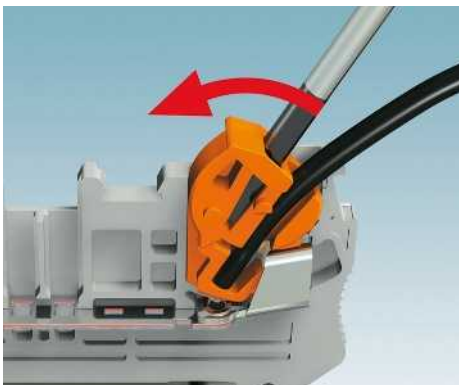




Space-saving design

The QUICKON QT series is characterized by the IDC connection. This allows space to be saved without limiting the quality features in any way:

– Large-surface marking
– Maximum connection space
– Flexible plug-in bridge system



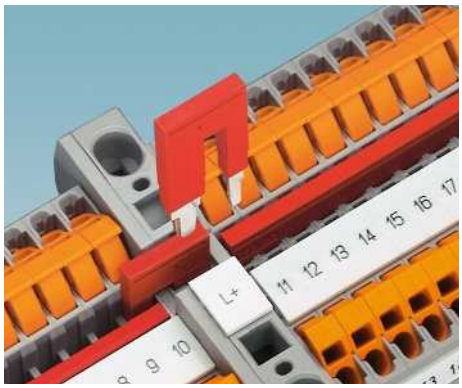
Cut to length, cut, and you're done!

Time savings of 60% and more compared with other connection systems. Stripping and fitting splicing protection is no longer necessary thanks to the QUICKON fast connection system. All that is needed is to cut the conductors to the correct length and they can then be contacted within seconds.

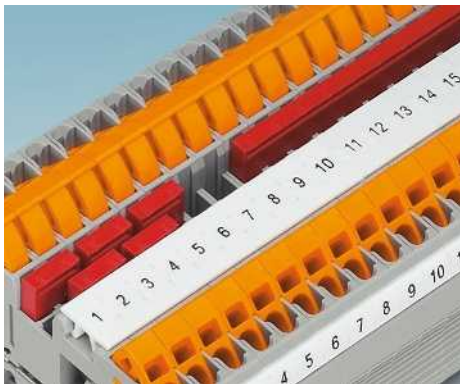


Powerful insulation displacement contact

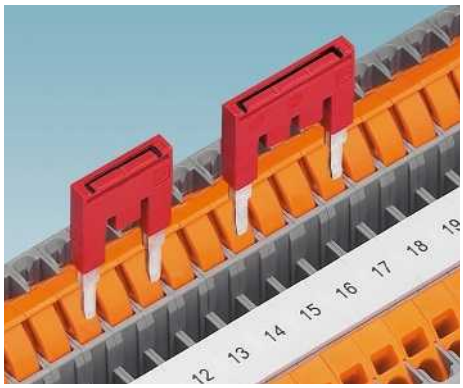
The 0.25 to 2.5 mm² conductor connection is provided by the patented insulation displacement contact. High-quality special alloys and latches for the switching states ensure safe electrical connections at all times. Large, spring-mounted contact points guarantee 24 A current-carrying capacity.



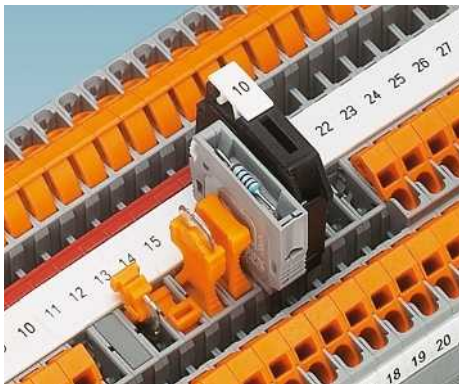
The reducing bridge enables time-saving and low-cost potential distribution when supplying large cross sections. The reducing bridge connects, e.g., an ST 10 terminal block to a QTC 1,5 or QTC 2,5.



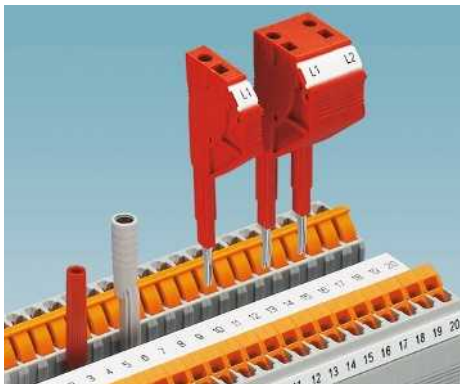
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2 to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



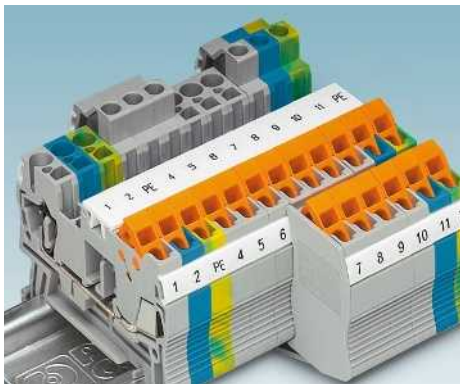
A jumping bridge is created by removing individual forks from the standard bridge. Two potentials can then be routed in parallel. There is scope for marking on the top of the bridge.



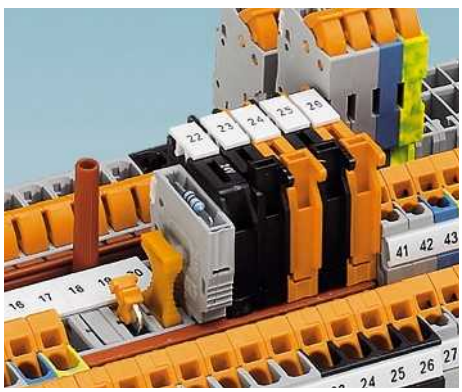
The P-FIX isolated feed-through connector, P-DI isolating plug, P-CO component plug, and P-FU cartridge fuse plug with 5.2 mm pitch can be used in the universal plug-in zone of the disconnect terminal block.



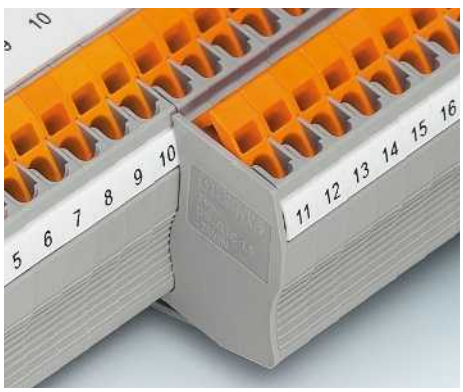
A test plug with a 2.3 mm diameter is available for measuring lines. All measurement and test work can be completed at speed using test adapters for 4 mm diameter test plugs and the modular test plugs.



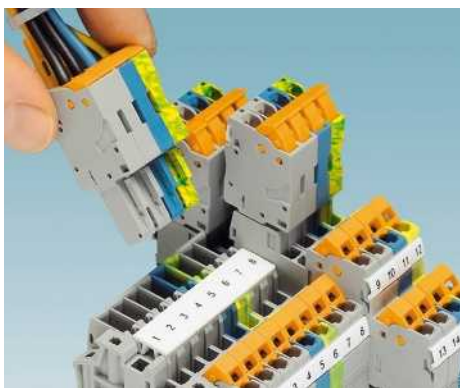
The hybrid versions combine the time-saving rapid connection method with the benefits of the screw or spring-cage method.



Lever-type fuse terminal blocks are also available to suit the function terminal blocks. The retentive fuse holders can be used in black housing with a micro fuse or in orange housing with a contact metal.



Cover segments are used to cover protruding terminal block segments of three or four-conductor terminal blocks, when adding two-conductor terminal blocks. Fingers are thereby protected from contact



QT COMBI basic terminal blocks and plugs with fast connection are available for the plug-in configuration of signal wiring with fast connection. See “COMBI” section, page 329.

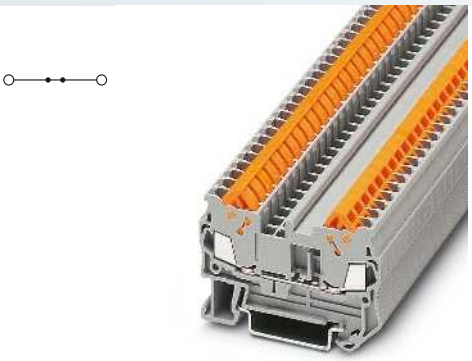
QTC ... feed-through terminal blocks

The QTC fast connection series is characterized by the system features of CLIPLINE complete and the following:
– Compact design
– The fastest conductor connection for signal and low-spectrum power wiring

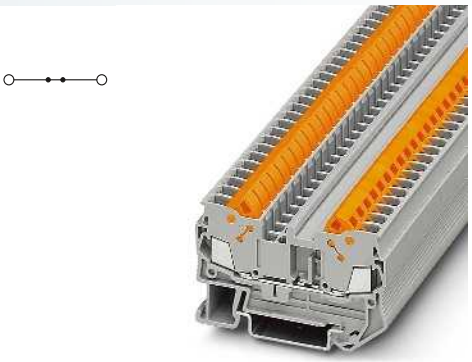
Notes:

1) The total current of all connected conductors must not exceed the max. load current.

2) For installation notes on the use of accessories for Ex e applications, see page 710.



1.5 (1.5) mm², 17.5 A, feed-through terminal block



2.5 (2.5) mm², 24 A, feed-through terminal block

Ex: KEMA 03ATEX2557U / IECEx KEM 07.0015U

Ex: KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data

		Width	Length	Height NS 35/7,5	
Dimensions	[mm]	**5.2**	**58.8**	**39.3**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		17.5	**800**	**0.25 - 1.5**	**24 - 16**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	Ex IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	16 / 1.5 // 16 / 1.5
Rated cross section	[mm²]	1.5	-	-	1.5
Cross section range	AWG	24 - 16	24-16	24-16	24 - 16
Connection cross section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5			
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16			
Frequency of connections with the same cross section		100			
General data					
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

		Width	Length	Height NS 35/7,5	
Dimensions	[mm]	**6.2**	**62.6**	**39.3**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24	**800**	**0.5 - 2.5**	**20 - 14**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	Ex IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / -	22.5 / 2.5 // 22.5 / 2.5
Rated cross section	[mm²]	2.5	-	-	2.5
Cross section range	AWG	20 - 14	20-14	20-14	20 - 14
Connection cross section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 2.5			
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	-			
[Litz wires Ø ≥ 0.19 mm]	AWG	20 - 14			
Frequency of connections with the same cross section		100			
General data					
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**QTC 1,5**		**3205019**	50
		blue	**QTC 1,5 BU**		**3205022**	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTC 2,5		**3206416**	50
QTC 2,5 BU		**3206429**	50

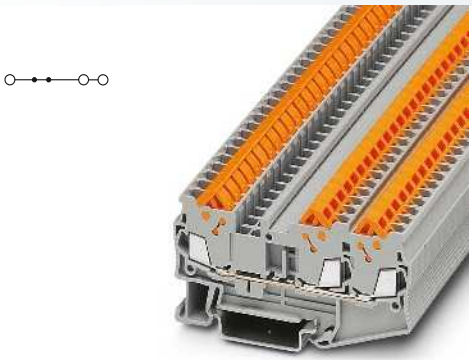
Accessories²)

Cover, width 2.2 mm		gray	**D-QTC 1,5**		**3205161**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray				
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-QTC**		**3206209**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Double marker carrier, snaps into all terminal blocks with a width of 5.2 mm and a zack marker strip center groove, can be labeled with ZB 5 or ZBF 5		gray	**STP 5-2-ZB**		**3037643**	100

Accessories²)

D-QTC 2,5		**3206568**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-QTC		**3206209**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10
STP 5-2-ZB		**3037643**	100

Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**	**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**	**UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)**



1.5 (1.5) mm², 17.5 A, feed-through terminal block, 3 connections

Ex:
KEMA 03ATEX2557U / IECEx KEM 07.0015U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**76.4**	**39.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
17.5[1])	**800**	**0.25 - 1.5**	**24 - 16**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
17.5 / 1.5	10 / -	10 / -	16 / 1.5 // 16 / 1.5
1.5	-	-	1.5
24 - 16	24-16	24-16	24 - 16
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

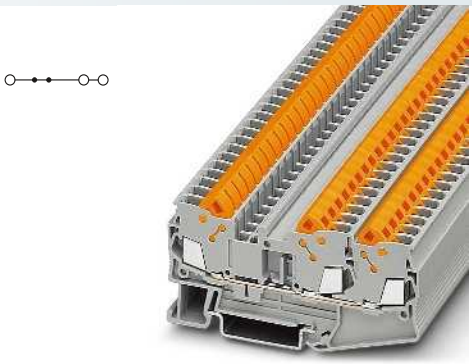
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTC 1,5-TWIN		**3205048**	50
QTC 1,5-TWIN BU		**3205051**	50

Accessories[2])

D-QTC 1,5-TWIN		**3205190**	50
DS-QTC 1,5		**3205200**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-QTC TWIN		**3206212**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
STP 5-2-ZB		**3037643**	100

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



2.5 (2.5) mm², 24 A, feed-through terminal block, 3 connections

Ex:
KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**82.5**	**39.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24[1])	**800**	**0.5 - 2.5**	**20 - 14**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
24 / 2.5	15 / -	15 / -	22.5 / 2.5 // 22.5 / 2.5
2.5	-	-	2.5
20 - 14	20-14	20-14	20 - 14
0.5 - 2.5			
-			
20 - 14			
100			
PA			
V0			

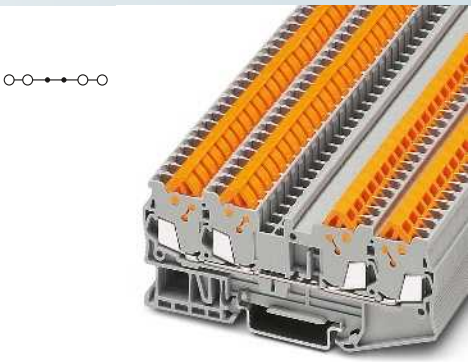
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTC 2,5-TWIN		**3206445**	50
QTC 2,5-TWIN BU		**3206461**	50

Accessories[2])

D-QTC 2,5-TWIN		**3206571**	50
DS-QTC 2,5		**3206607**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-QTC TWIN		**3206212**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10
STP 5-2-ZB		**3037643**	100

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)



1.5 (1.5) mm², 17.5 A, feed-through terminal block, 4 connections

Ex:
KEMA 03ATEX2557U / IECEx KEM 07.0015U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**94**	**39.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
17.5[1])	**800**	**0.25 - 1.5**	**24 - 16**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
17.5 / 1.5	10 / -	10 / -	16 / 1.5 // 16 / 1.5
1.5	-	-	1.5
24 - 16	24-16	24-16	24 - 16
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTC 1,5-QUATTRO		**3205077**	50
QTC 1,5-QUATTRO BU		**3205080**	50

Accessories[2])

D-QTC 1,5-QUATTRO		**3205174**	50
DS-QTC 1,5		**3205200**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-QTC QUATTRO		**3206225**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
STP 5-2-ZB		**3037643**	100

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

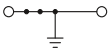
QTC ...-PE ground terminal blocks

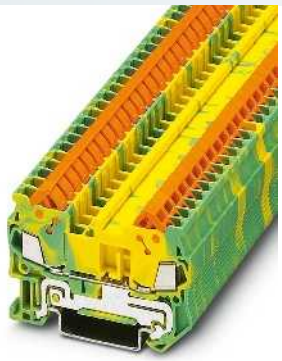
- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947−7−2 are met

Notes:

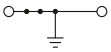
For current carrying capacity of DIN rails, see page 716.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.





1.5 (1.5) mm², ground terminal block





2.5 (2.5) mm², ground terminal block

Ex: KEMA 03ATEX2557U / IECEx KEM 07.0015U

Ex: KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**58.8**	**39.3**	
Max. electrical data				max. Ø [mm²]	AWG
				0.25 - 1.5	**24 - 16**
		IEC 60947-7-2			Ex
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	- / -	-	-
Rated cross section	[mm²]	1.5	-	-	1.5
Cross section range	AWG	24 - 16	24-16	24-16	24 - 16
Connection cross section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5			
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16			
Frequency of connections with the same cross section		100			
General data					
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**62.6**	**39.3**	
Max. electrical data				max. Ø [mm²]	AWG
				0.5 - 2.5	**20 - 14**
		IEC 60947-7-2			Ex
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	- / -	-	-
Rated cross section	[mm²]	2.5	-	-	2.5
Cross section range	AWG	20 - 14	20-14	20-14	20 - 14
Connection cross section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 2.5			
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	-			
[Litz wires Ø ≥ 0.19 mm]	AWG	20 - 14			
Frequency of connections with the same cross section		100			
General data					
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**QTC 1,5-PE**	**3205035**	50

Accessories[1])

Cover, width 2.2 mm		gray	**D-QTC 1,5**	**3205161**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray			
Plug-in bridge					
	2	red	**FBS 2-5**	**3030161**	50
	3	red	**FBS 3-5**	**3030174**	50
	4	red	**FBS 4-5**	**3030187**	50
	5	red	**FBS 5-5**	**3030190**	50
	10	red	**FBS 10-5**	**3030213**	10
	20	red	**FBS 20-5**	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-QTC**	**3206209**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**	**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**	**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10
Double marker carrier, snaps into all terminal blocks with a width of 5.2 mm and a zack marker strip center groove, can be labeled with ZB 5 or ZBF 5		gray	**STP 5-2-ZB**	**3037643**	100

Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**

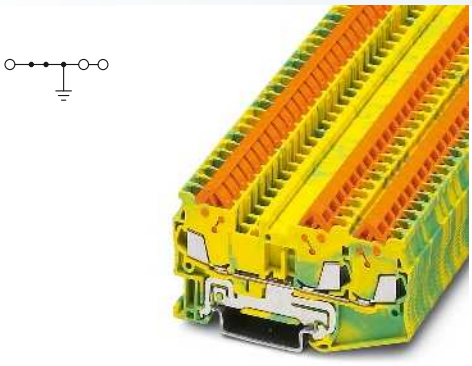
Ordering data

Type	Order No.	Pcs. / Pkt.
QTC 2,5-PE	**3206432**	50

Accessories[1])

D-QTC 2,5	**3206568**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-QTC	**3206209**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
SZF 1-0,6X3,5	**1204517**	10
STP 5-2-ZB	**3037643**	100

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)



1.5 (1.5) mm², ground terminal block, 3 connections

Ex: KEMA 03ATEX2557U / IECEx KEM 07.0015U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**76.4**	**39.3**	
		max. Ø [mm²]	AWG
		0.25 - 1.5	**24 - 16**
IEC 60947-7-2			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
1.5	-	-	1.5
24 - 16	24-16	24-16	24 - 16
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

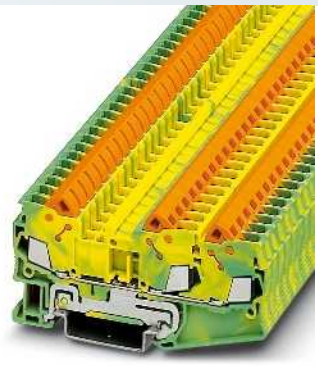
Ordering data

Type	Order No.	Pcs. / Pkt.
QTC 1,5-TWIN-PE	**3205064**	50

Accessories[1])

D-QTC 1,5-TWIN	**3205190**	50
DS-QTC 1,5	**3205200**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-QTC TWIN	**3206212**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10
STP 5-2-ZB	**3037643**	100

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



2.5 (2.5) mm², ground terminal block, 3 connections

Ex: KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**82.5**	**39.3**	
		max. Ø [mm²]	AWG
		0.5 - 2.5	**20 - 14**
IEC 60947-7-2			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	2.5
20 - 14	20-14	20-14	20 - 14
0.5 - 2.5			
-			
20 - 14			
100			
PA			
V0			

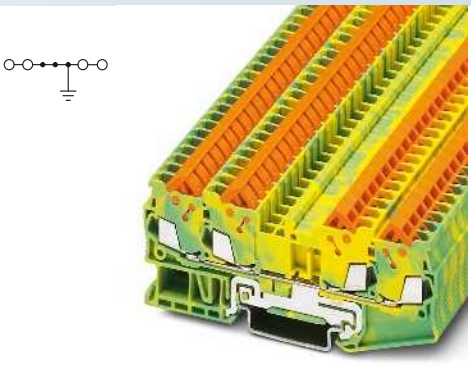
Ordering data

Type	Order No.	Pcs. / Pkt.
QTC 2,5-TWIN-PE	**3206474**	50

Accessories[1])

D-QTC 2,5-TWIN	**3206571**	50
DS-QTC 2,5	**3206607**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-QTC TWIN	**3206212**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
SZF 1-0,6X3,5	**1204517**	10
STP 5-2-ZB	**3037643**	100

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)



1.5 (1.5) mm², ground terminal block, 4 connections

Ex: KEMA 03ATEX2557U / IECEx KEM 07.0015U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**94**	**39.3**	
		max. Ø [mm²]	AWG
		0.25 - 1.5	**24 - 16**
IEC 60947-7-2			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
1.5	-	-	1.5
24 - 16	24-16	24-16	24 - 16
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
QTC 1,5-QUATTRO-PE	**3205093**	50

Accessories[1])

D-QTC 1,5-QUATTRO	**3205174**	50
DS-QTC 1,5	**3205200**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-QTC QUATTRO	**3206225**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10
STP 5-2-ZB	**3037643**	100

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

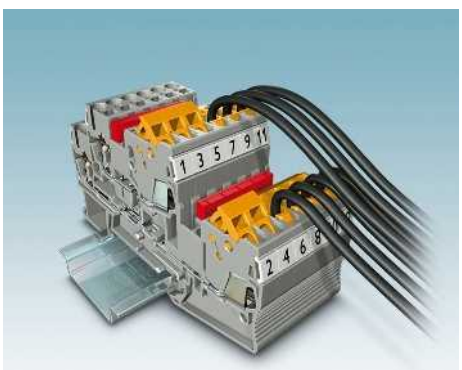
QTTCB ... double-level terminal blocks



- Compact design and front connection enable wiring in a small amount of space
- Double bridge shaft per level for concurrent bridging and testing
- In the case of the QTTCB 1,5-PV terminal block, both the levels are interconnected
- One diode is fitted in the diode terminal block, conducting from the upper to the lower level
- Ground terminal blocks of the same shape are available
- All the requirements of standard IEC 60947−7−2 are met

STP ... double marker carriers

- Optional, large labeling option using STP... double marker carriers



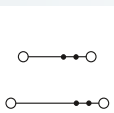
Notes:

For current carrying capacity of DIN rails, see page 716.

1) The total current of all connected conductors must not exceed the max. load current.

2) The max. current is determined by the diode. Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.

3) For installation notes on the use of accessories for Ex e applications, see page 710.





1.5 (1.5) mm², 17.5 A, double-level terminal block

Ex: KEMA 03ATEX2557U / IECEx KEM 07.0015U

Technical data

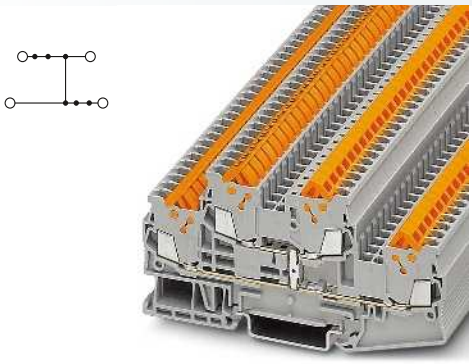
Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**99.6**	**49.9**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	17.5	**500**	**0.25 - 1.5**	**24 - 16**
Rated data	IEC 60947-7-1			Ex
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	600	440
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	15 / 1.5 // 15 / 1.5
Rated cross section	[mm²]	1.5	-	-	1.5
Cross section range	AWG	24 - 16	24-16	24-16	24 - 16
Connection cross section in acc. with DIN VDE 0295				
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5			
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16			
Frequency of connections with the same cross section		100			
General data				
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**QTTCB 1,5**		**3205116**	50
		blue	**QTTCB 1,5 BU**		**3205129**	50
Terminal block, with equipotential bonder, for mounting on NS 35...		gray				
Terminal block, with integrated diode, conducting from top to bottom²)		gray				
Ground terminal block, for mounting on NS 35...		green-yellow				

Accessories³)

Cover, width 2.2 mm		gray	**D-QTTCB 1,5**		**3205187**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Vertical potential bridge, to connect the upper and lower level		black	**FBS-PV**		**3032185**	50
Partition plate, 2 mm width		gray	**ATP-QTTCB**		**3206238**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Double marker carrier, snaps into QTTCB ... and QTTCBS double-level fast connection terminal blocks, can be labeled with ZB 5 and ZBF 5		gray	**STP 5-2/S**		**0800970**	100
Lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			



1.5 (1.5) mm², 17.5 A, double-level terminal block, internally connected levels

Ex: KEMA 03ATEX2557U / IECEx KEM 07.0015U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**99.6**	**49.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
17.5[1])	**500**	**0.25 - 1.5**	**24 - 16**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	440
17.5 / 1.5	10 / -	10 / -	15 / 1.5 // 15 / 1.5
1.5	-	-	1.5
24 - 16	24-16	24-16	24 - 16
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

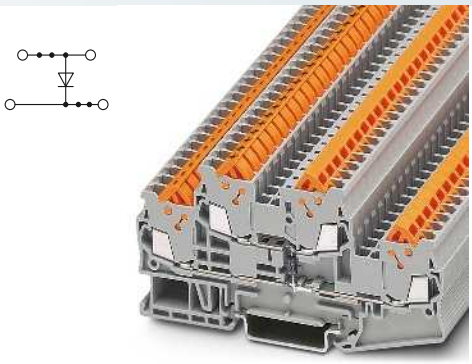
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTTCB 1,5-PV		**3205153**	50

Accessories[3])

D-QTTCB 1,5		**3205187**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-QTTCB		**3206238**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
STP 5-2/S		**0800970**	100

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



1.5 (1.5) mm², 17.5 A, double-level diode terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	**99.6**	**49.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
17.5[1])	**500**	**0.25 - 1.5**	**24 - 16**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
17.5 / 1.5	10 / -	10 / -	-
1.5	-	-	-
24 - 16	24-16	24-16	-
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

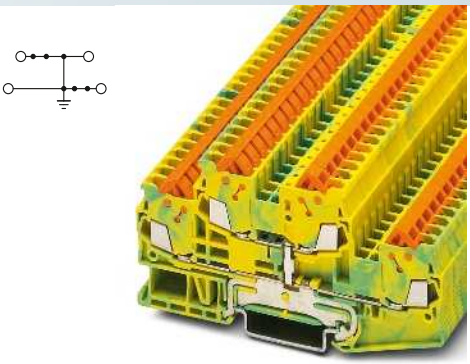
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTTCB 1,5-DIO/O-U		**3206241**	50

Accessories[3])

D-QTTCB 1,5		**3205187**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-QTTCB		**3206238**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10
STP 5-2/S		**0800970**	100

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



1.5 (1.5) mm², double-level ground terminal block

Ex: KEMA 03ATEX2557U / IECEx KEM 07.0015U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**99.6**	**49.9**	
		max. Ø [mm²]	AWG
		0.25 - 1.5	**24 - 16**
IEC 60947-7-2			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
1.5	-	-	1.5
24 - 16	24-16	24-16	24 - 16
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

Ordering data

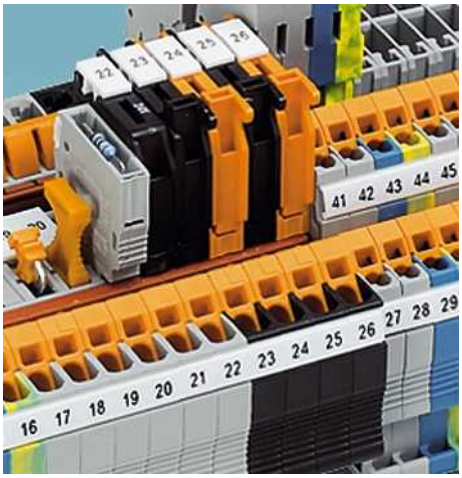
Type	Order No.	Pcs. / Pkt.
QTTCB 1,5-PE	**3205132**	50

Accessories[3])

D-QTTCB 1,5	**3205187**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-QTTCB	**3206238**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10
STP 5-2/S	**0800970**	100

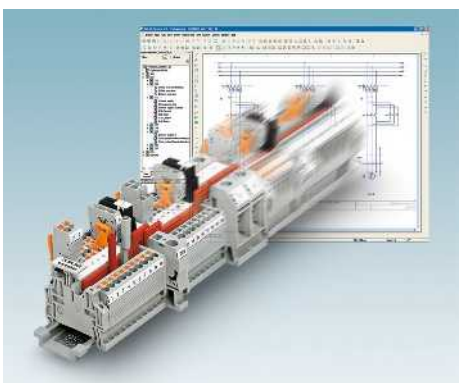
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

QTC... lever-type fuse terminal blocks

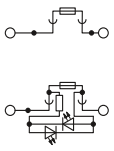


The lever-type fuse terminal blocks are characterized by:
- An extremely compact design
- Two function shafts can implement all the potential distribution work. For example, two separate potentials can by routed side by side with the help of jumping bridging.
- QTC 2,5-TG/-MT function terminal blocks of the same shape are available
- Test connection on both sides in safety lever
- Versions with light indicator for indicating that a fuse has blown round off the range

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



Notes:
For further technical notes on power dissipation, see page 724.
1) If the fuse is faulty, the downstream circuit is not off load.
2) For max. power dissipation, see page 724.
3) The current is determined by the fuse used, the voltage by the light indicator.





2.5 (2.5) mm², 6.3 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**82.5**	**64.9**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		6.3²)	**500³)**	**0.5 - 2.5**	**20 - 14**
Rated data		IEC 60947-7-3 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500³)	300	300	-
Nominal current / cross section	[A] / [mm²]	6.3 / 1.5	15 / -	10 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	20 - 14	20-14	20-14	-
Connection cross section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 2.5			
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	-			
[Litz wires Ø ≥ 0.19 mm]	AWG	20 - 14			
Frequency of connections with the same cross section		100			
General data					
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35..., for cartridge fuse inserts 5 x 20 mm		black	**QTC 2,5-HESI (5X20)**		**3050293**	50
With LED for 12-30 V AC/DC, 0.31-0.95 mA¹)		black	**QTC 2,5-HESILED 24 (5X20)**		**3050374**	50
With LED for 30-60 V AC/DC, 0.40-0.86 mA¹)		black	**QTC 2,5 HESILED 60 (5X20)**		**3050390**	50
With LED for 110-250 V AC/DC, 0.41-0.96 mA¹)		black	**QTC 2,5-HESILA 250 (5X20)**		**3050387**	50

Accessories

Cover, width 2.2 mm		gray	**D-QTC 2,5-TWIN**		**3206571**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray	**DS-QTC 2,5**		**3206607**	50
Plug-in bridge						
	2	red	**FBS 2-6**	32 A	**3030336**	50
	3	red	**FBS 3-6**	32 A	**3030242**	50
	4	red	**FBS 4-6**	32 A	**3030255**	50
	5	red	**FBS 5-6**	32 A	**3030349**	50
	10	red	**FBS 10-6**	32 A	**3030271**	10
	20	red	**FBS 20-6**	32 A	**3030365**	10
Connection pin, for coupling several fuse terminal blocks, made of plastic, 1 m long		gray	**VS**		**3004207**	1
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Lever labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			
Lateral groove labeling			**UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)**			

QTC ... lever-type disconnect terminal block

The lever-type disconnect terminal blocks have the same shape and pitch as the 5 x 20 mm lever-type fuse terminal blocks and allow for:

– A design to suit their function
– Continuous labeling of terminal points
– The dual function shaft allows two potentials running in parallel to be jumped separately
– The time-saving way to set up potential infeed



2.5 (2.5) mm², 20 A, lever-type disconnect terminal block, same shape

Technical data

Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**82.5**	**64.9**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	20	**500**	**0.5 - 2.5**	**20 - 14**
Rated data	IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	15 / -	15 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	20 - 14	20-14	20-14	-
Connection cross section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 2.5			
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	-			
[Litz wires Ø ≥ 0.19 mm]	AWG	20 - 14			
Frequency of connections with the same cross section		100			
General data					
Insulating material		PA			
Inflammability class according to UL 94		V0			

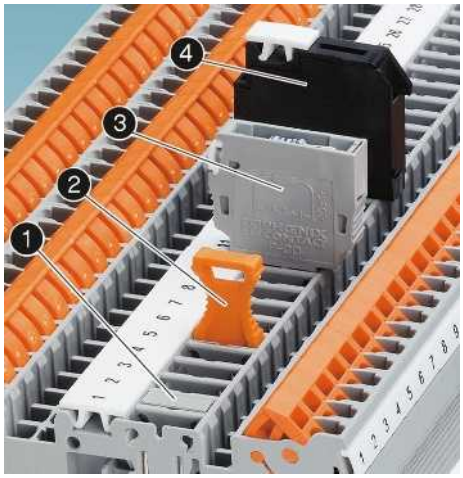
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Lever-type disconnect terminal block, same shape as QTC 2,5-HESI		black/orange	**QTC 2,5-HEDI**		**3206678**	50

Accessories

Cover, width 2.2 mm		gray	**D-QTC 2,5-TWIN**		**3206571**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray	**DS-QTC 2,5**		**3206607**	50
Plug-in bridge						
	2	red	**FBS 2-6**	32 A	**3030336**	50
	3	red	**FBS 3-6**	32 A	**3030242**	50
	4	red	**FBS 4-6**	32 A	**3030255**	50
	5	red	**FBS 5-6**	32 A	**3030349**	50
	10	red	**FBS 10-6**	32 A	**3030271**	10
	20	red	**FBS 20-6**	32 A	**3030365**	10
Connection pin, for coupling several fuse terminal blocks, made of plastic, 1 m long		gray	**VS**		**3004207**	1
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Lever labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			
Lateral groove labeling			**UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)**			

QTC ...-TG disconnect terminal blocks to accommodate function plugs



- Triple bridge shaft enables individual potential distribution and supply
- Disconnect terminal block with universal disconnect zone for accommodating isolating plugs, feed-through connectors, component plugs, and fuse plugs
- The P-FIX isolated feed-through connector ① enables the installation of a feed-through terminal of the same shape
- The P-DI isolating plug ② can be used in all disconnect terminal blocks. Following disconnection, the P-DI can be "parked" back to front in the basic terminal block.
- The P-CO component plug ③ is used to accommodate different components such as resistors or diodes
- 5 x 20 mm cartridge fuses can be inserted into the P-FU fuse plug ④. This plug is also available with a light indicator for signaling a tripped fuse.

Function plugs

- For detailed information about the function plugs, see page 480

Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) If the fuse is faulty, the downstream circuit is not off load.

[3]) Observe max. load current.

[4]) Observe max. load current, depending on the power dissipation of the components. Max. 0.5 W with single arrangement.

[5]) For max. power dissipation, see page 724.

[6]) Current and voltage are determined by the plug used.



1.5 (1.5) mm², 17.5 A, disconnect terminal block

Technical data

Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**76.4**	**39.3**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	17.5[6])	**400[6])**	**0.25 - 1.5**	**24 - 16**
Rated data	IEC 60947-7-1			
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[6])	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	24 - 16	24-16	24-16	-
Connection cross section in acc. with DIN VDE 0295				
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5			
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16			
Frequency of connections with the same cross section		100			
General data				
Insulating material		PA			
Inflammability class according to UL 94		V0			

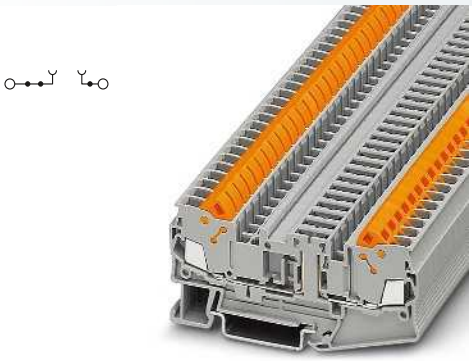
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**QTC 1,5-TG**		**3205145**	50

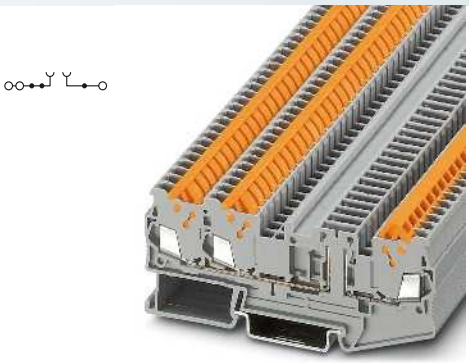
Accessories

Cover, width 2.2 mm		gray	**D-QTC 1,5-TWIN**		**3205190**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray	**DS-QTC 1,5**		**3205200**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-QTC TWIN**		**3206212**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Isolating plug[3])		orange	**P-DI**		**3036783**	50
Feed-through connector[3])		gray	**P-FIX**		**3038956**	50
Component plug, labeled with ZBF 5 or UC-TMF 5[4])		gray	**P-CO**		**3036796**	10
Fuse plug, width 5.2 mm[2])		black	**P-FU 5X20-5**		**3209235**	10
With LED for 12-30 V DC, 0.35-0.95 mA		black	**P-FU 5X20 LED 24-5**		**3209248**	10
For 30-60 V AC/DC, 0.36-0.95 mA		black	**P-FU 5X20 LED 60-5**		**3209251**	10
For 110-250 V AC/DC, 0.4-0.95 mA		black	**P-FU 5X20 LED 250-5**		**3209264**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



2.5 (2.5) mm², 20 A, disconnect terminal block



1.5 (1.5) mm², 17.5 A, disconnect terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
6.2	**82.5**	**39.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[6])	**400[6])**	**0.5 - 2.5**	**20 - 14**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[6])	300	600	-
20 / 2.5	15 / -	15 / -	-
2.5	-	-	-
20 - 14	20-14	20-14	-
0.5 - 2.5			
-			
20 - 14			
100			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTC 2,5-TG		**3206490**	50

Accessories

D-QTC 2,5-TWIN		**3206571**	50
DS-QTC 2,5		**3206607**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-QTC TWIN		**3206212**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20		**3036806**	10
P-FU 5X20 LED 24		**3036819**	10
P-FU 5X20 LED 60		**3036822**	10
P-FU 5X20 LA 250		**3036835**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**94**	**39.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
17.5[1])	**400[6])**	**0.25 - 1.5**	**24 - 16**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[6])	-	-	-
17.5[1]) / 1.5	- / -	-	-
1.5	-	-	-
24 - 16	-	-	-
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTC 1,5-TWIN-TG		**3050413**	50

Accessories

D-QTC 1,5-QUATTRO		**3205174**	50
DS-QTC 1,5		**3205200**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-QTC QUATTRO		**3206225**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
P-DI		**3036783**	50
P-FIX		**3038956**	50
P-CO		**3036796**	10
P-FU 5X20-5		**3209235**	10
P-FU 5X20 LED 24-5		**3209248**	10
P-FU 5X20 LED 60-5		**3209251**	10
P-FU 5X20 LED 250-5		**3209264**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

QTC ...-MT knife disconnect terminal blocks



– Compact design and high current-carrying capacity of 20 A
– Triple bridge shaft enables individual potential distribution and supply
– Testing facility on both sides of the disconnect point

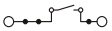
S-MT switching lock

– The optional switching lock snaps in and effectively prevents accidental switching

Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) Also see page 480.





1.5 (1.5) mm², 17.5 A, knife disconnect terminal block

Technical data

Dimensions					
		[mm]	Width	Length	Height NS 35/7,5
			5.2	**76.4**	**39.3**
Max. electrical data			$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
			17.5	**400**	**0.25 - 1.5** / **24 - 16**
Rated data			IEC 60947-7-1		
			IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage		[V]	400	600	600 / -
Nominal current / cross section		[A] / [mm²]	17.5 / 1.5	10 / -	10 / - / -
Rated cross section		[mm²]	1.5	-	- / -
Cross section range		AWG	24 - 16	24-16	24-16 / -
Connection cross section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)		[mm²]	0.5 - 1.5		
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]		[mm²]	0.25 - 0.34		
[Litz wires Ø ≥ 0.19 mm]		AWG	24 - 16		
Frequency of connections with the same cross section			100		
General data					
Insulating material			PA		
Inflammability class according to UL 94			V0		

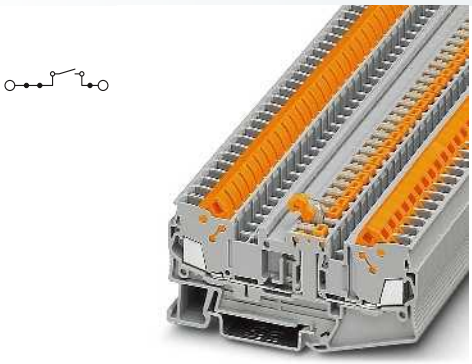
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, for mounting on NS 35...		gray	**QTC 1,5-MT**		**3205103**	50

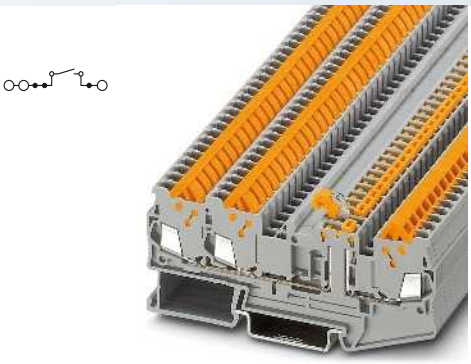
Accessories

Cover, width 2.2 mm		gray	**D-QTC 1,5-TWIN**		**3205190**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray	**DS-QTC 1,5**		**3205200**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Switching lock, plug-in[2])		white	**S-MT**		**3247954**	50
Partition plate, 2 mm width		gray	**ATP-QTC TWIN**		**3206212**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



2.5 (2.5) mm², 20 A, knife disconnect terminal block



1.5 (1.5) mm², 17.5 A, knife disconnect terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
6.2	**82.5**	**39.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**400**	**0.5 - 2.5**	**20 - 14**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	600	-
20 / 2.5	15 / -	15 / -	-
2.5	-	-	-
20 - 14	20-14	20-14	-
0.5 - 2.5			
-			
20 - 14			
100			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
5.2	**94**	**39.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
17.5[1])	**400**	**0.25 - 1.5**	**24 - 16**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
17.5[1]) / 1.5	- / -	-	-
1.5	-	-	-
24 - 16	-	-	-
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTC 2,5-MT		**3206487**	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTC 1,5-TWIN-MT		**3050407**	50

Accessories

D-QTC 2,5-TWIN		**3206571**	50
DS-QTC 2,5		**3206607**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
S-MT		**3247954**	50
ATP-QTC TWIN		**3206212**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Accessories

D-QTC 1,5-QUATTRO		**3205174**	50
DS-QTC 1,5		**3205200**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
S-MT		**3247954**	50
ATP-QTC QUATTRO		**3206225**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

QTCU ... hybrid feed-through terminal blocks with screw connection on one side

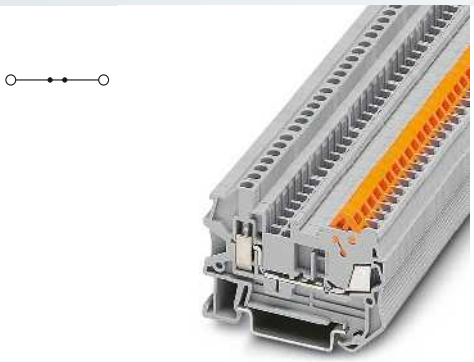
– The hybrid variants combine the advantages of the different connection methods
– On the control cabinet side, the time-saving QUICKON fast connection is used
– The screw connection is used on the connection side

Notes:

For more plug-in bridges, see page 472..

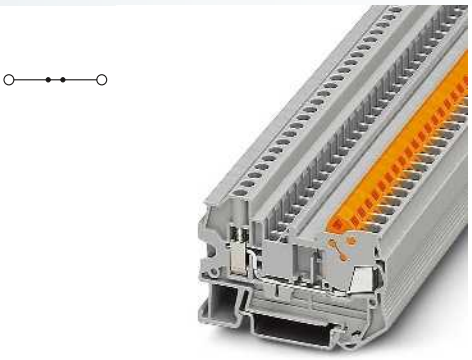
[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) For installation notes on the use of accessories for Ex e applications, see page 710.



1.5 (1.5) mm², 17.5 A, feed-through terminal block

Ex: KEMA 04ATEX2226 U / IECEx KEM 07.0007U



2.5 (2.5) mm², 24 A, feed-through terminal block

Ex: KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data

		Width	Length	Height NS 35/7,5	
Dimensions		**5.2**	**58.8**	**42.8**	
	[mm]				
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		17.5	**800**	**0.14 - 4**	**26 - 12**
Rated data, fast connection		IEC 60947-7-1			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	16.5 / 1.5 // 16.5 / 1.5
Rated cross section	[mm²]	1.5	-	-	1.5
Cross section range	AWG	24 - 16	24-16	24-16	24 - 16
Connection cross section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5			
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16			
Frequency of connections with the same cross section		100			
Rated data, screw connection		IEC 60947-7-1			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	16.5 / 1.5 // 16.5 / 1.5
Rated cross section	[mm²]	1.5	-	-	1.5
Cross section range	AWG	26 - 12	24-16	24-16	26 - 12
Connection capacity of screw connection		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

		Width	Length	Height NS 35/7,5	
Dimensions		**6.2**	**62.6**	**42.8**	
	[mm]				
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24	**800**	**0.14 - 6**	**26 - 10**
Rated data, fast connection		IEC 60947-7-1			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / -	22 / 2.5 // 22 / 2.5
Rated cross section	[mm²]	2.5	-	-	2.5
Cross section range	AWG	20 - 14	20-14	20-14	20 - 14
Connection cross section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 2.5			
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	-			
[Litz wires Ø ≥ 0.19 mm]	AWG	20 - 14			
Frequency of connections with the same cross section		100			
Rated data, screw connection		IEC 60947-7-1			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / -	22 / 2.5 // 22 / 2.5
Rated cross section	[mm²]	2.5	-	-	2.5
Cross section range	AWG	26 - 10	20-14	20-14	26 - 10
Connection capacity of screw connection		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**QTCU 1,5**		**3050015**	50
		blue	**QTCU 1,5 BU**		**3050028**	50
With potential distribution[1])		gray				

Accessories[2])

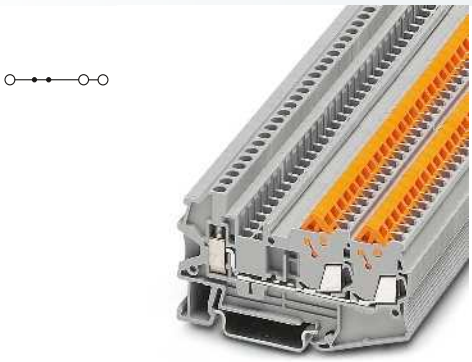
Cover, width 2.2 mm		gray	**D-QTCU 1,5**		**3206283**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray				
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	20	red	**FBS 20-5**	24 A	**3030226**	10
Vertical potential bridge, to connect the upper and lower level		black				
Partition plate, 2 mm width		gray	**ATP-QTC**		**3206209**	50
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			
Center and lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTCU 2,5		**3206539**	50
QTCU 2,5 BU		**3206542**	50

Accessories[2])

D-QTCU 2,5		**3206597**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 5-6	32 A	**3030349**	50
FBS 20-6	32 A	**3030365**	10
ATP-QTC		**3206209**	50
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)			
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)			



1.5 (1.5) mm², 17.5 A, feed-through terminal block, 3 connections

Ex: KEMA 04ATEX2226 U / IECEx KEM 07.0007U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**76.4**	**42.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
17.5[1])	**800**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	-	550
17.5 / 1.5	10 / -	-	17.5 / 1.5 // 17.5 / 1.5
1.5	-	-	1.5
24 - 16	24-16	-	24 - 16
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			

IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	-	550
17.5 / 1.5	10 / -	-	17.5 / 1.5 // 17.5 / 1.5
1.5	-	-	1.5
26 - 12	24-16	-	26 - 12
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

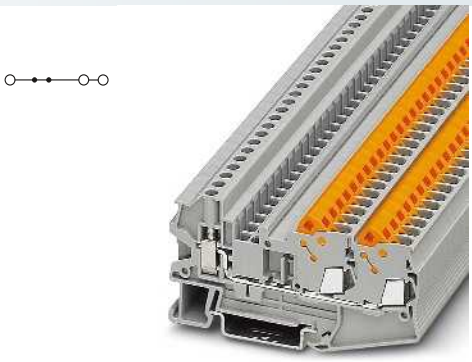
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTCU 1,5-TWIN		**3050044**	50
QTCU 1,5-TWIN BU		**3050057**	50

Accessories[2])

D-QTCU 1,5-TWIN		**3206296**	50
DS-QTC 1,5		**3205200**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
ATP-QTC TWIN		**3206212**	50

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



2.5 (2.5) mm², 24 A, feed-through terminal block, 3 connections

Ex: KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**82.5**	**42.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24[1])	**800**	**0.14 - 6**	**26 - 10**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	-	550
24 / 2.5	15 / -	-	22 / 2.5 // 22 / 2.5
2.5	-	-	2.5
20 - 14	20-14	-	20 - 14
0.5 - 2.5			
-			
20 - 14			
100			

IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	-	550
24 / 2.5	15 / -	-	22 / 2.5 // 22 / 2.5
2.5	-	-	2.5
26 - 10	20-14	-	26 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

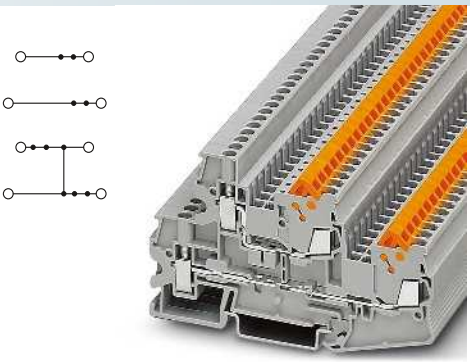
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTCU 2,5-TWIN		**3050303**	50
QTCU 2,5-TWIN BU		**3050316**	50

Accessories[2])

D-QTCU 2,5 TWIN		**3050510**	50
DS-QTC 2,5		**3206607**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 5-6	32 A	**3030349**	50
FBS 20-6	32 A	**3030365**	10
ATP-QTC TWIN		**3206212**	50

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)



1.5 (1.5) mm², 17.5 A, double-level terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	**93.5**	**55.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
17.5	**500**	**0.14 - 4**	**26 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
17.5 / 1.5	10 / -	10 / -	-
1.5	-	-	-
24 - 16	24-16	24-16	-
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			

IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
17.5 / 1.5	10 / -	10 / -	-
1.5	-	-	-
26 - 12	24-16	24-16	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTTCBU 1,5		**3050264**	50
QTTCBU 1,5 BU		**3050280**	50
QTTCBU 1,5-PV		**3050361**	50

Accessories[2])

D-QTTCBU 1,5		**3050536**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
FBS-PV		**3032185**	50
ATP-QTTCB		**3206238**	50

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

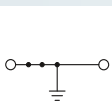
QTCU ...-PE hybrid ground terminal blocks with screw connection on one side

– Same shape and pitch as the feed-through terminal blocks
– Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
– All the requirements of standard IEC 60947−7−2 are met

Notes:

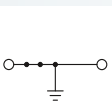
For current carrying capacity of DIN rails, see page 716.

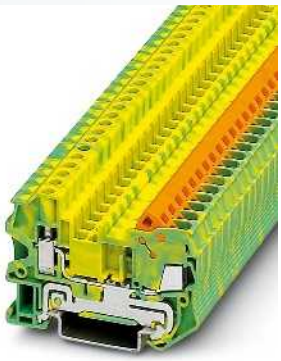
[1]) For installation notes on the use of accessories for Ex e applications, see page 710.





1.5 (1.5) mm², ground terminal block





2.5 (2.5) mm², ground terminal block

Ex: KEMA 04ATEX2226 U / IECEx KEM 07.0007U

Ex: KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data

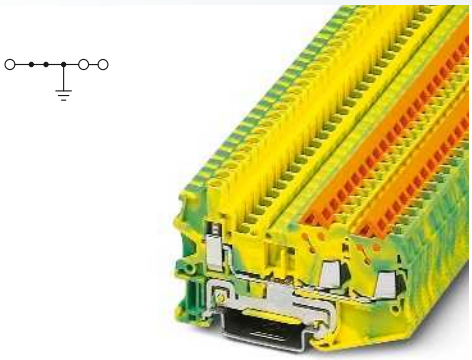
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**58.8**	**42.8**		**6.2**	**62.6**	**42.8**	
Max. electrical data				max. Ø [mm²]	AWG			max. Ø [mm²]	AWG
				0.14 - 4	**26 - 12**			**0.14 - 6**	**26 - 10**
Rated data, fast connection		IEC 60947-7-2 IEC	UL/CUL	CSA	Ex IEC/ EN 60079-7	IEC 60947-7-2 IEC	UL/CUL	CSA	Ex IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	-	-	-	-	-	-	-
Rated cross section	[mm²]	1.5	-	-	1.5	2.5	-	-	2.5
Cross section range	AWG	24 - 16	24-16	-	24 - 16	20 - 14	20-14	-	20 - 14
Connection cross section in acc. with DIN VDE 0295									
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5				0.5 - 2.5			
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34				-			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16				20 - 14			
Frequency of connections with the same cross section		100				100			
Rated data, screw connection		IEC 60947-7-2 IEC	UL/CUL	CSA	Ex IEC/ EN 60079-7	IEC 60947-7-2 IEC	UL/CUL	CSA	Ex IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	-	-	-	-	-	-	-
Rated cross section	[mm²]	1.5	-	-	1.5	2.5	-	-	2.5
Cross section range	AWG	26 - 12	24-16	-	26 - 12	26 - 10	20-14	-	26 - 10
Connection capacity of screw connection		solid	stranded	Ferrule Without / with plastic sleeve		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5	0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two conductors with a TWIN ferrule	[mm²]				0.5 - 1.5				0.5 - 2.5
General data									
Stripping length	[mm]	9				9			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.5 - 0.6				0.6 - 0.8			
Insulating material		PA				PA			
Inflammability class according to UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**QTCU 1,5-PE**	**3050031**	50	**QTCU 2,5-PE**	**3206555**	50

Accessories[1])

Cover, width 2.2 mm		gray	**D-QTCU 1,5**	**3206283**	50	**D-QTCU 2,5**	**3206597**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray						
Plug-in bridge								
	2	red	**FBS 2-5**	**3030161**	50	**FBS 2-6**	**3030336**	50
	3	red	**FBS 3-5**	**3030174**	50	**FBS 3-6**	**3030242**	50
	4	red	**FBS 4-5**	**3030187**	50	**FBS 4-6**	**3030255**	50
	5	red	**FBS 5-5**	**3030190**	50	**FBS 5-6**	**3030349**	50
	10	red	**FBS 10-5**	**3030213**	10	**FBS 10-6**	**3030271**	10
	20	red	**FBS 20-5**	**3030226**	10	**FBS 20-6**	**3030365**	10
Partition plate, 2 mm width		gray	**ATP-QTC**	**3206209**	50	**ATP-QTC**	**3206209**	50
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**	**3030983**	10	**PS-6**	**3030996**	10
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**		
Center and lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			**UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)**		



1.5 (1.5) mm², ground terminal block, 3 connections

Ex:

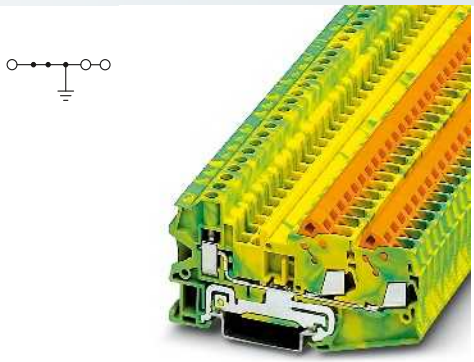
KEMA 04ATEX2226 U / IECEx KEM 07.0007U

Technical data			
Width	Length	Height NS 35/7,5	
5.2	76.4	42.8	
		max. Ø [mm²]	AWG
		0.14 - 4	26 - 12
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
1.5	-	-	1.5
24 - 16	24-16	-	24 - 16
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
1.5	-	-	1.5
26 - 12	24-16	-	26 - 12
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data		
Type	Order No.	Pcs. / Pkt.
QTCU 1,5-TWIN-PE	3050060	50

Accessories[1])		
D-QTCU 1,5-TWIN	3206296	50
DS-QTC 1,5	3205200	50
FBS 2-5	3030161	50
FBS 3-5	3030174	50
FBS 4-5	3030187	50
FBS 5-5	3030190	50
FBS 10-5	3030213	10
FBS 20-5	3030226	10
ATP-QTC TWIN	3206212	50
PS-5	3030983	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



2.5 (2.5) mm², ground terminal block, 3 connections

Ex:

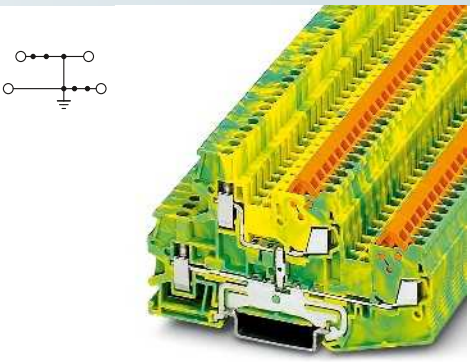
KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data			
Width	Length	Height NS 35/7,5	
6.2	82.5	42.8	
		max. Ø [mm²]	AWG
		0.14 - 6	26 - 10
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
2.5	-	-	2.5
20 - 14	20-14	-	20 - 14
0.5 - 2.5			
-			
20 - 14			
100			
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
2.5	-	-	2.5
26 - 10	20-14	-	26 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data		
Type	Order No.	Pcs. / Pkt.
QTCU 2,5-TWIN-PE	3050329	50

Accessories[1])		
D-QTCU 2,5 TWIN	3050510	50
DS-QTC 2,5	3206607	50
FBS 2-6	3030336	50
FBS 3-6	3030242	50
FBS 4-6	3030255	50
FBS 5-6	3030349	50
FBS 10-6	3030271	10
FBS 20-6	3030365	10
ATP-QTC TWIN	3206212	50
PS-6	3030996	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)



1.5 (1.5) mm², double-level ground terminal block

Technical data			
Width	Length	Height NS 35/7,5	
5.2	93.5	55.5	
		max. Ø [mm²]	AWG
		0.14 - 4	26 - 12
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
1.5	-	-	-
24 - 16	24-16	-	-
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
1.5	-	-	-
26 - 12	24-16	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data		
Type	Order No.	Pcs. / Pkt.
QTTCBU 1,5-PE	3050277	50

Accessories[1])		
D-QTTCBU 1,5	3050536	50
FBS 2-5	3030161	50
FBS 3-5	3030174	50
FBS 4-5	3030187	50
FBS 5-5	3030190	50
FBS 10-5	3030213	10
FBS 20-5	3030226	10
ATP-QTTCB	3206238	50
PS-5	3030983	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

QTCS ... hybrid feed-through terminal blocks with spring-cage connection on one side

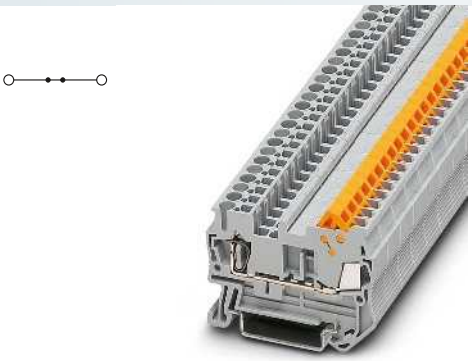
– The hybrid variants combine the advantages of the different connection methods
– On the control cabinet side, the time-saving QUICKON fast connection is used
– The spring-cage connection is used on the connection side

Notes:

For more plug-in bridges, see page 472..

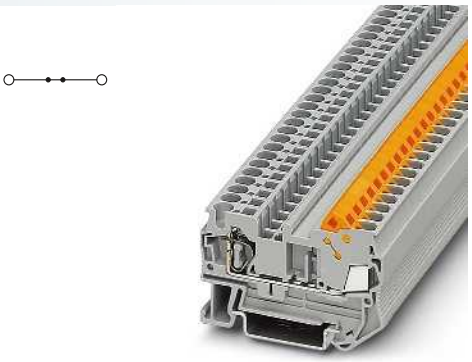
[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) For installation notes on the use of accessories for Ex e applications, see page 710.



1.5 (1.5) mm², 17.5 A, feed-through terminal block

Ex:
KEMA 04ATEX2226 U / IECEx KEM 07.0007U



2.5 (2.5) mm², 24 A, feed-through terminal block

Ex:
KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data

		Width	Length	Height NS 35/7,5	
Dimensions	[mm]	**5.2**	**54.4**	**39.3**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		17.5	**800**	**0.08 - 4**	**28 - 12**
Rated data, fast connection		IEC 60947-7-1			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	550
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	-	17 / 1.5 // 17 / 1.5
Rated cross section	[mm²]	1.5	-	-	1.5
Cross section range	AWG	24 - 16	24-16	-	24 - 16
Connection cross section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5			
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16			
Frequency of connections with the same cross section		100			
Rated data, spring-cage connection		IEC 60947-7-1			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	550
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	-	17 / 1.5 // 17 / 1.5
Rated cross section	[mm²]	1.5	-	-	1.5
Cross section range	AWG	28 - 12	24-16	-	28 - 12
Connection capacity of spring-cage connection		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

		Width	Length	Height NS 35/7,5	
Dimensions	[mm]	**6.2**	**59.7**	**39.3**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24	**800**	**0.08 - 6**	**28 - 10**
Rated data, fast connection		IEC 60947-7-1			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	-	22.5 / 2.5 // 22.5 / 2.5
Rated cross section	[mm²]	2.5	-	-	2.5
Cross section range	AWG	20 - 14	20-14	-	20 - 14
Connection cross section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 2.5			
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	-			
[Litz wires Ø ≥ 0.19 mm]	AWG	20 - 14			
Frequency of connections with the same cross section		100			
Rated data, spring-cage connection		IEC 60947-7-1			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	-	22.5 / 2.5 // 22.5 / 2.5
Rated cross section	[mm²]	2.5	-	-	2.5
Cross section range	AWG	28 - 10	20-14	-	28 - 10
Connection capacity of spring-cage connection		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**QTCS 1,5**		**3050138**	50
		blue	**QTCS 1,5 BU**		**3050141**	50
With potential distribution[1])		gray				

Accessories[2])

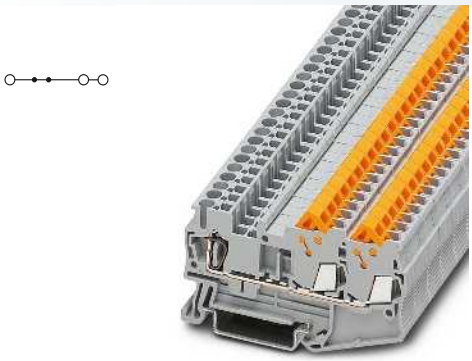
Cover, width 2.2 mm		gray	**D-QTCS 1,5**		**3206270**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray				
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	20	red	**FBS 20-5**	24 A	**3030226**	10
Vertical potential bridge, to connect the upper and lower level		black				
Partition plate, 2 mm width		gray	**ATP-QTC**		**3206209**	50
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			
Center and lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTCS 2,5		**3206500**	50
QTCS 2,5 BU		**3206513**	50

Accessories[2])

D-QTCS 2,5		**3206584**	50
FBS 2-6	32 A	**3030336**	50
FBS 5-6	32 A	**3030349**	50
FBS 20-6	32 A	**3030365**	10
ATP-QTC		**3206209**	50
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)			
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)			



1.5 (1.5) mm², 17.5 A, feed-through terminal block, 3 connections

Ex:
KEMA 04ATEX2226 U / IECEx KEM 07.0007U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**71.6**	**39.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
17.5[1])	**800**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	-	550
17.5 / 1.5	10 / -	-	17.5 / 1.5 // 17.5 / 1.5
1.5	-	-	1.5
24 - 16	24-16	-	24 - 16
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	-	550
17.5 / 1.5	10 / -	-	17.5 / 1.5 // 17.5 / 1.5
1.5	-	-	1.5
28 - 12	24-16	-	28 - 12
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

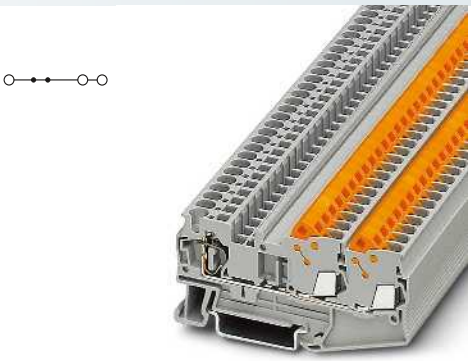
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTCS 1,5-TWIN		**3206348**	50
QTCS 1,5-TWIN BU		**3206351**	50

Accessories[2])

D-QTCS 1,5-TWIN		**3206403**	50
DS-QTC 1,5		**3205200**	50
FBS 2-5	24 A	**3030161**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
ATP-QTC TWIN		**3206212**	50
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



2.5 (2.5) mm², 24 A, feed-through terminal block, 3 connections

Ex:
KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**79.6**	**39.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	-	550
24 / 2.5	15 / -	-	22.5 / 2.5 // 22.5 / 2.5
2.5	-	-	2.5
20 - 14	20-14	-	20 - 14
0.5 - 2.5			
-			
20 - 14			
100			
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	-	550
24 / 2.5	15 / -	-	22.5 / 2.5 // 22.5 / 2.5
2.5	-	-	2.5
28 - 10	20-14	-	28 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
			0.5 - 1
10			
PA			
V0			

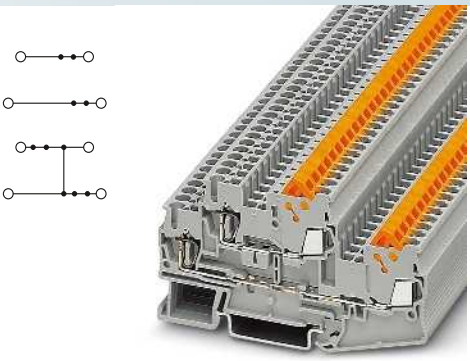
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTCS 2,5-TWIN		**3050332**	50
QTCS 2,5-TWIN BU		**3050345**	50

Accessories[2])

D-QTCS 2,5 TWIN		**3050523**	50
DS-QTC 2,5		**3206607**	50
FBS 2-6	32 A	**3030336**	50
FBS 5-6	32 A	**3030349**	50
FBS 20-6	32 A	**3030365**	10
ATP-QTC TWIN		**3206212**	50
PS-6		**3030996**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)



1.5 (1.5) mm², 17.5 A, double-level terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	**88.2**	**49.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
17.5	**500**	**0.08 - 4**	**28 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	-	-
17.5 / 1.5	10 / -	-	-
1.5	-	-	-
24 - 16	24-16	-	-
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	-	-
17.5 / 1.5	10 / -	-	-
1.5	-	-	-
28 - 12	24-16	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTTCBS 1,5		**3050222**	50
QTTCBS 1,5 BU		**3050235**	50
QTTCBS 1,5-PV		**3206380**	50

Accessories[2])

D-QTTCBS 1,5		**3206335**	50
FBS 2-5	24 A	**3030161**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
FBS-PV		**3032185**	50
ATP-QTTCB		**3206238**	50
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

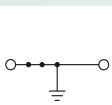
QTCS ...-PE hybrid ground terminal blocks with spring-cage connection on one side

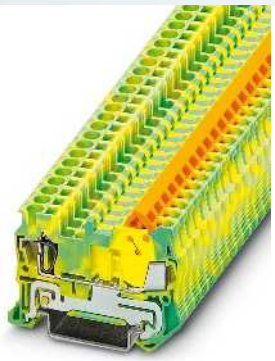
– Same shape and pitch as the feed-through terminal blocks
– Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
– All the requirements of standard IEC 60947−7−2 are met

Notes:

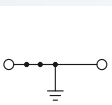
For current carrying capacity of DIN rails, see page 716.

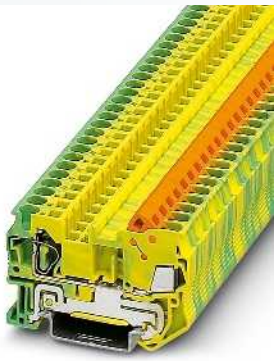
[1]) For installation notes on the use of accessories for Ex e applications, see page 710.





1.5 (1.5) mm², ground terminal block





2.5 (2.5) mm², ground terminal block

Ex: KEMA 04ATEX2226 U / IECEx KEM 07.0007U

Ex: KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**54.4**	**39.3**	
Max. electrical data				max. Ø [mm²]	AWG
				0.08 - 4	**28 - 12**
Rated data, fast connection		IEC 60947-7-2			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	-	-	-
Rated cross section	[mm²]	1.5	-	-	1.5
Cross section range	AWG	24 - 16	24-16	-	24 - 16
Connection cross section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5			
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16			
Frequency of connections with the same cross section		100			
Rated data, spring-cage connection		IEC 60947-7-2			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	-	-	-
Rated cross section	[mm²]	1.5	-	-	1.5
Cross section range	AWG	28 - 12	24-16	-	28 - 12
Connection capacity of spring-cage connection		solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**59.7**	**39.3**	
Max. electrical data				max. Ø [mm²]	AWG
				0.08 - 6	**28 - 10**
Rated data, fast connection		IEC 60947-7-2			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	-	-	-
Rated cross section	[mm²]	2.5	-	-	2.5
Cross section range	AWG	20 - 14	20-14	-	20 - 14
Connection cross section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 2.5			
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	-			
[Litz wires Ø ≥ 0.19 mm]	AWG	20 - 14			
Frequency of connections with the same cross section		100			
Rated data, spring-cage connection		IEC 60947-7-2			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	-	-	-
Rated cross section	[mm²]	2.5	-	-	2.5
Cross section range	AWG	28 - 10	20-14	-	28 - 10
Connection capacity of spring-cage connection		solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**QTCS 1,5-PE**	**3050154**	50

Ordering data

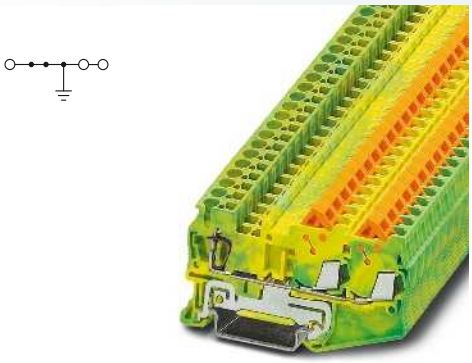
Type	Order No.	Pcs. / Pkt.
QTCS 2,5-PE	**3206526**	50

Accessories[1])

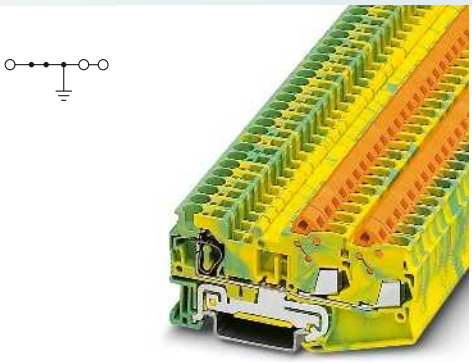
Cover, width 2.2 mm		gray	**D-QTCS 1,5**	**3206270**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray			
Plug-in bridge					
	2	red	**FBS 2-5**	**3030161**	50
	3	red	**FBS 3-5**	**3030174**	50
	4	red	**FBS 4-5**	**3030187**	50
	5	red	**FBS 5-5**	**3030190**	50
	10	red	**FBS 10-5**	**3030213**	10
	20	red	**FBS 20-5**	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-QTC**	**3206209**	50
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**	**3030983**	10
Screwdriver			**SZF 1-0,6X3,5**	**1204517**	10
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**		
Center and lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		

Accessories[1])

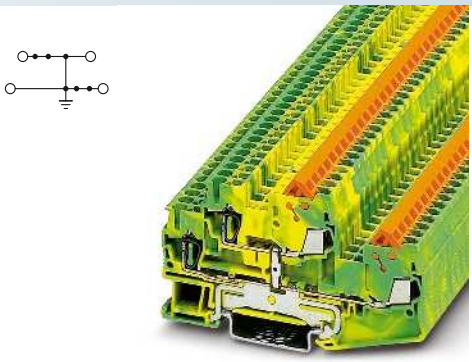
D-QTCS 2,5	**3206584**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-QTC	**3206209**	50
PS-6	**3030996**	10
SZF 1-0,6X3,5	**1204517**	10
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)		
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)		



1.5 (1.5) mm², ground terminal block, 3 connections



2.5 (2.5) mm², ground terminal block, 3 connections



1.5 (1.5) mm², double-level ground terminal block

Ex:
KEMA 04ATEX2226 U / IECEx KEM 07.0007U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**71.6**	**39.3**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
1.5	-	-	1.5
24 - 16	24-16	-	24 - 16
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
1.5	-	-	1.5
28 - 12	24-16	-	28 - 12
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
QTCS 1,5-TWIN-PE	**3206364**	50

Accessories[1])

D-QTCS 1,5-TWIN	**3206403**	50
DS-QTC 1,5	**3205200**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-QTC TWIN	**3206212**	50
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Ex:
KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**79.6**	**39.3**	
		max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
2.5	-	-	2.5
20 - 14	20-14	-	20 - 14
0.5 - 2.5			
-			
20 - 14			
100			
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
2.5	-	-	2.5
28 - 10	20-14	-	28 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
QTCS 2,5-TWIN-PE	**3050358**	50

Accessories[1])

D-QTCS 2,5 TWIN	**3050523**	50
DS-QTC 2,5	**3206607**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-QTC TWIN	**3206212**	50
PS-6	**3030996**	10
SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**88.2**	**49.9**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
1.5	-	-	-
24 - 16	24-16	-	-
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
1.5	-	-	-
28 - 12	24-16	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

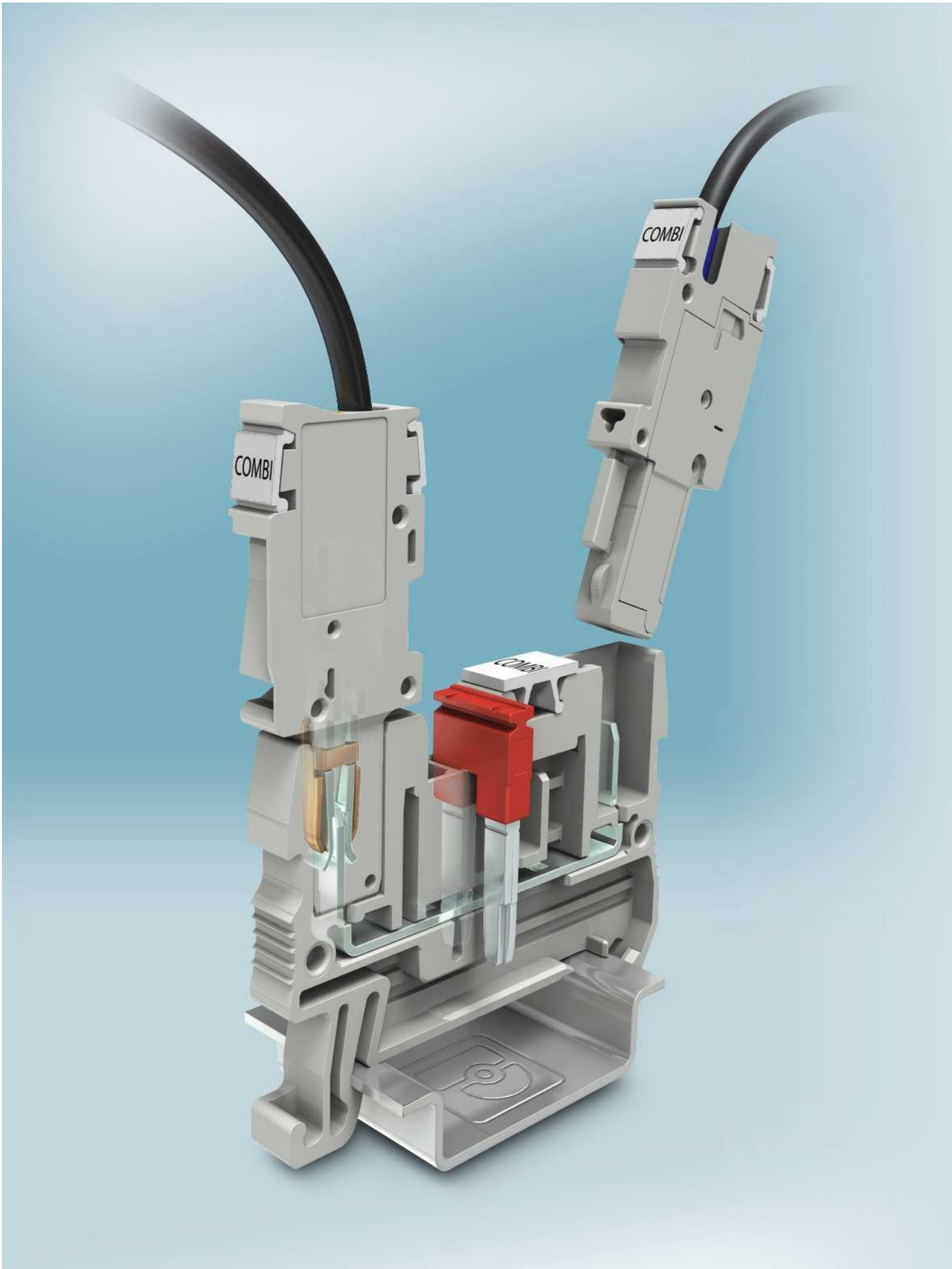
Ordering data

Type	Order No.	Pcs. / Pkt.
QTTCBS 1,5-PE	**3050248**	50

Accessories[1])

D-QTTCBS 1,5	**3206335**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-QTTCB	**3206238**	50
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)


COMBI
COMBI
COMBI

COMBI plug-in connection solutions

The COMBI plug-in system enables the time-saving and modular configuration of your application. Its distinguishing feature is its standardized plug-in zone. This makes it possible to freely combine basic terminal blocks, which are available with screw, push-in, spring-cage, and fast connection technology.

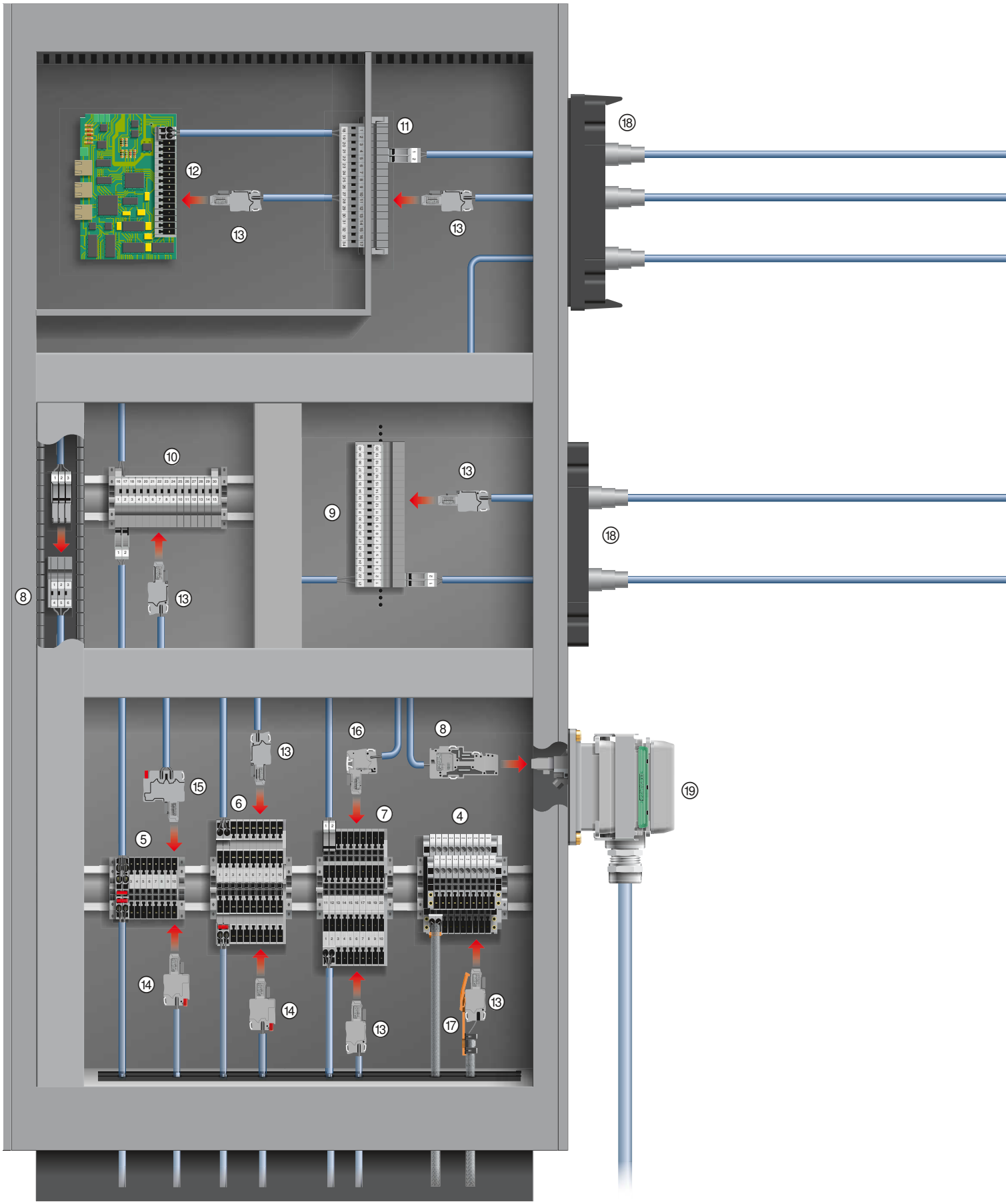
The nominal data of up to 41 A and 1000 V has made a plug-in system for signal and power wiring possible. The system meets the most stringent of vibration requirements. Both the terminal blocks and the plugs are touch proof.

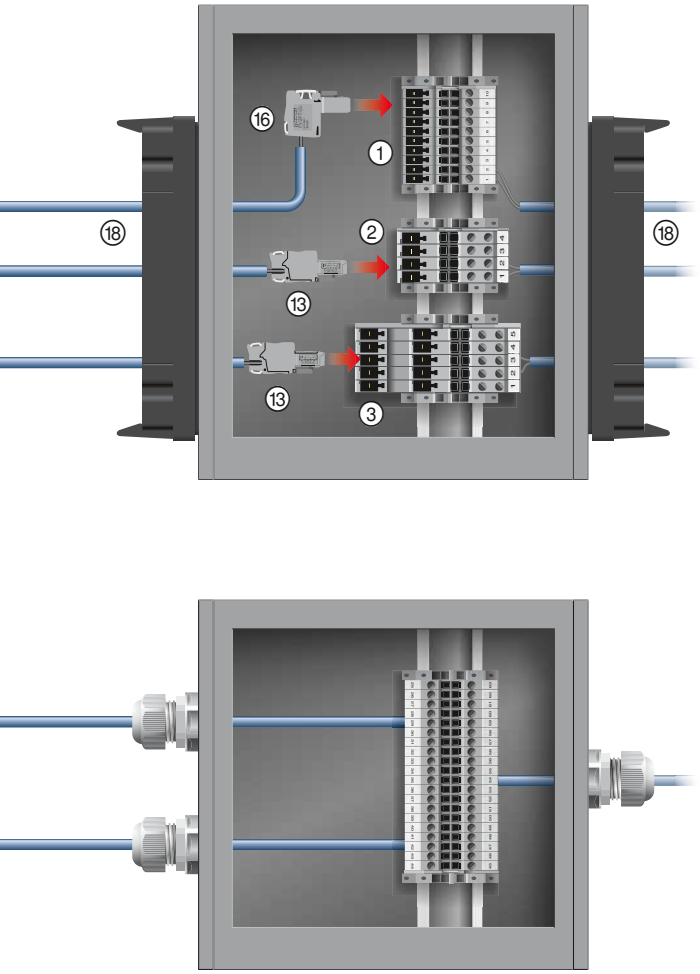
In addition, all plugs can be individually assembled, i.e., they can be adapted to match the required number of positions in each application. The COMBI plug-in system can be combined with the CES cable entry system (see Catalog 4) by routing the pre-assembled cables with a high degree of protection (IP54/65) into control cabinets and housing in a manner that saves space. This produces a quick and low-cost alternative to using heavy-duty plug-in connectors.

Product range overview

Plug-in modular terminal blocks	**330**
Cross-reference list: terminal blocks/plugs	**332**
Feed-through terminal blocks with screw connection	**336**
Ground terminal blocks with screw connection	**338**
Double-level terminal blocks with screw connection	**344**
Plug-in test disconnect terminal blocks	**346**
Feed-through terminal blocks with push-in connection	**348**
Ground terminal blocks with push-in connection	**350**
Multi-conductor terminal blocks with push-in connection	**352**
Double-level terminal blocks with push-in connection	**358**
PIN/PIN feed-through and double-level terminal blocks	**361**
PIN/PIN ground terminal blocks	**363**
Feed-through terminal blocks with spring-cage connection	**376**
Ground terminal blocks with spring-cage connection	**378**
Double-level terminal blocks with spring-cage connection	**380**
Knife disconnect terminal blocks with spring-cage connection	**386**
Four-level terminal blocks with spring-cage connection	**389**
Feed-through and ground terminal blocks with fast connection	**390**
Couplings	**392**
Couplings with push-in connection	**392**
Couplings with spring-cage connection	**398**
Base strips for PCB connection	**406**
Plugs	**408**
Plugs with screw connection	**408**
Plugs with push-in connection	**412**
Plugs with spring-cage connection	**416**
Plugs with fast connection	**424**
Accessories	**426**
Cross-reference list: COMBI accessories	**426**
Strain relief, latching	**428**
Shielding, cable housing	**430**
Self-locking flange covers	**435**
Special connection solutions	**438**
High-current plug-in connectors with screw connection	**438**
Headers for DIN rail mounting, with screw connection	**441**
Plug-in blocks for DIN rail mounting, with screw connection	**442**

Cabling options with the COMBI plug-in system





① Feed-through terminal blocks with one connector outlet
② Multi-conductor terminal blocks with one connector outlet
③ Multi-conductor terminal blocks with two connector outlets
④ Double-level terminal blocks with one connector outlet per level
⑤ PIN/PIN feed-through terminal blocks
⑥ PIN/PIN multi-conductor terminal blocks
⑦ PIN/PIN double-level terminal blocks
⑧ Couplings for free-hanging connections
⑨ Couplings with engagement pin for direct mounting
⑩ Couplings for DIN rail mounting
⑪ Coupling for panel feed-through
⑫ Base strip for the PCB connection
⑬ Plug with conductor exit in plug-in direction
⑭ Bridgeable plug with conductor exit in plug-in direction
⑮ Bridgeable two-conductor plug with conductor exit in plug-in direction
⑯ Plug with conductor exit perpendicular to plug-in direction
⑰ Optional snap-on plug accessories, e.g., latching with shield connection
⑱ CES cable entry system with IP54/65 protection, see Catalog 4
⑲ DUPLICON IP67 heavy-duty plug-in connector, see Catalog 4

From the control cabinet to a complete system - it is impossible to imagine today's applications without plug-in solutions. It is here that the COMBI plug-in system offers users unlimited flexibility. From supplying the control cabinet and the power and control components, right up to the quick installation of distributed system parts, the COMBI plug-in system always delivers the perfect solution.

The advantages of this system are numerous. Plug-in components within the control cabinet can be both installed and uninstalled quickly and easily. The plug-in ring feeders guarantee the safe supply of power between the control cabinets. Free-hanging couplings are not only suitable for wiring in the smallest of spaces; they can also be used to lengthen pre-assembled cables without any problems.

The COMBI base strips enable the plug-in wiring of electronic devices or components.

The CES cable entry systems allow users to route up to 40 pre-assembled plugs into the control cabinet while maintaining IP54/65 protection. In the case of increased requirements, such as protection up to IP67 or connecting control cabinets in harsh industrial environments, DUPLICON is the ideal connection component.

The flexible and varied possibilities offered by the COMBI system's standardized plug-in zone have won over some well-known companies. Rittal has opted for the COMBI system and has integrated the plug-in zone into the new RILine 60 device adapter.

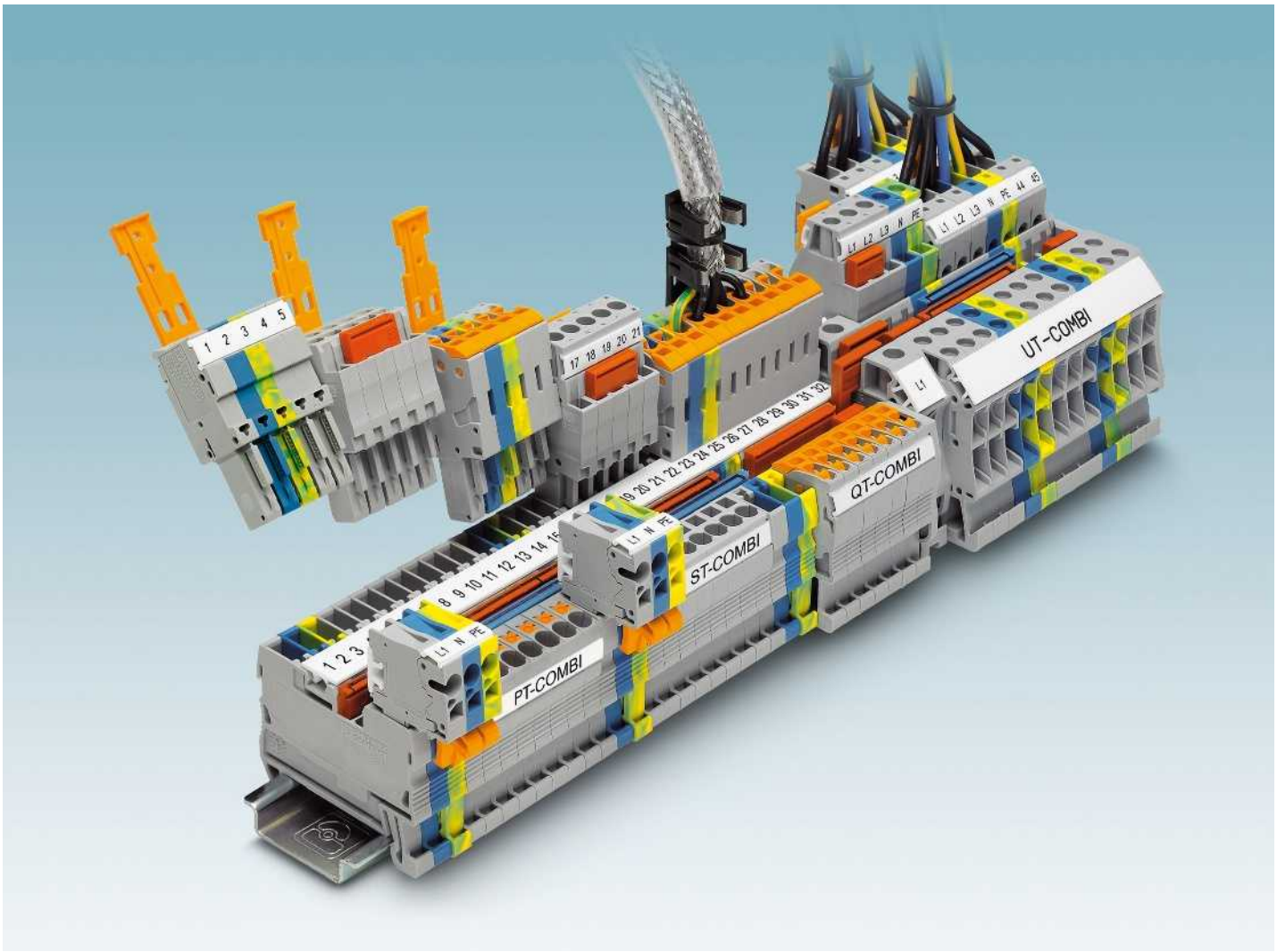
COMBI plug-in connection solutions

Cross-reference list: terminal blocks/plugs

Plug

Terminal block		UT screw connection				PT push-in connection	
		UPBV 2,5... Page 408	UPBV 4... Page 409	UP 4... Page 409	UP 6... Page 409	PP-H 1,5/S Page 412	PP-H 2,5 Page 413
Feed-through terminal blocks							
UT 2,5/1P	Page 336	■					■
UT 4/1P	Page 337		■	■			
UT 6/1P	Page 337				■		
PT 1,5/S/1P / MPT 1,5/S/1P	Page 348					■	
PT 2,5/1P, ST 2,5/1P	Page 349	■					■
PT 4/1P, ST 4/1P	Page 349		■	■			
PT 6/1P	Page 349				■		
QTC 1,5/1P	Page 390	■					■
Feed-through terminal blocks, three connections							
UT 2,5-TWIN/1P	Page 340	■					■
UT 4-TWIN/1P	Page 341		■	■			
PT 1,5/S-TWIN/1P	Page 352					■	
PT 2,5-TWIN/1P, ST 2,5-TWIN/1P	Page 353	■					■
Knife disconnect terminal blocks							
ST 2,5-TWIN-MT/1P	Page 387	■					■
ST 2,5-TWIN-TG/1P	Page 386	■					■
Feed-through terminal blocks, four connections							
UT 4-QUATTRO/2P	Page 341		■	■			
UT 6-QUATTRO/2P	Page 341				■		
PT 1,5/S-QUATTRO/2P	Page 354					■	
PT 2,5-QUATTRO/2P, ST 2,5-QUATTRO/2P	Page 355	■					■
PT 6-QUATTRO/2P	Page 355				■		
ST 4-QUATTRO/2P	Page 377		■	■			
Double-level terminal blocks							
UTTB 2,5/2P	Page 344	■					■
PTTB 1,5/S/2P	Page 358					■	
PTTB 2,5/2P	Page 359	■					■
STTB 2,5/2P	Page 380	■					■
QTTCB 1,5/2P	Page 391	■					■
PIN-PIN versions							
ST 2,5/2P	Page 361	■					■
ST 4/2P	Page 361		■	■			
ST 2,5-QUATTRO/4P	Page 361	■					■
STTB 2,5/4P	Page 365	■					■
Couplings							
PPC 1,5/S	Page 392					■	
PPC 6/...	Page 393				■		
SC 2,5/...	Page 398	■					■
SC 4/...	Page 398		■	■			
Couplings with engagement pin							
SC 2,5-RZ/...	Page 400	■					■
SC 4-RZ/...	Page 402		■	■			
Couplings with snap-on foot							
PPC 1,5/S-NS/1-L	Page 396					■	
PPC 6-NS/1-L	Page 395				■		
SC 2,5-NS/1-L	Page 404	■					■
SC 4-NS/1-L	Page 404		■	■			
Base strip for PCB connection							
ST 2,5-PCB/...G-5,2	Page 406	■					■
ST 4-PCB/...G-6,2	Page 406		■	■			
ST 2,5-PCBV/...G-5,2	Page 407	■					■
ST 4-PCB/...G-6,2	Page 407		■	■			■

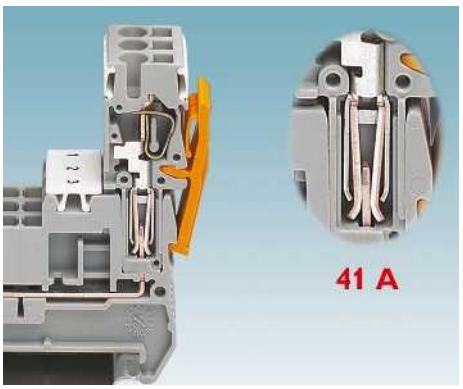
		ST spring-cage connection						
PP-H 4 Page 413	PP-H 6 Page 413	SP 2,5... Page 416	SP-H 2,5... Page 417	SPV 2,5... Page 417	SP 4... Page 417	SPB 2,5... Page 418	SPDB 2,5... Page 419	QP 1,5 Page 424
								





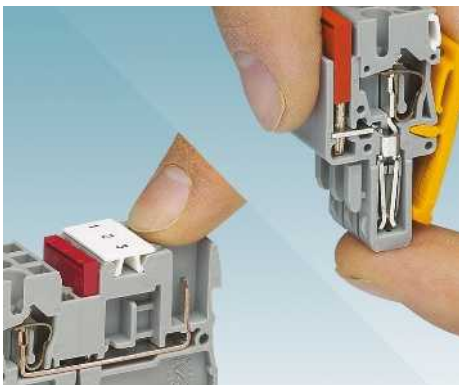
Flexible and plug-in

The COMBI family offers a free choice of connection methods. The standardized COMBI plug-in zone allows terminal blocks and connectors to be combined to suit the application regardless of connection method.



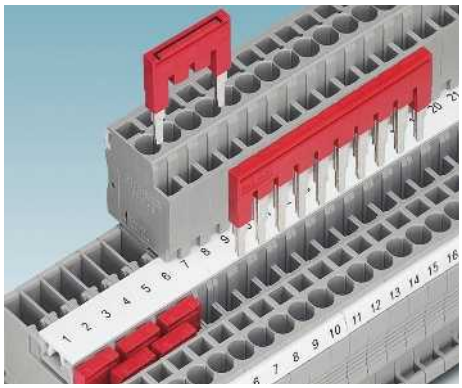
Powerful contact

The COMBI plug-in system enables a plug-in wiring solution up to a nominal current of 41 A and a nominal voltage of 1000 V to be implemented. The contact system features an integrated covering spring so that it can withstand extreme vibration levels.

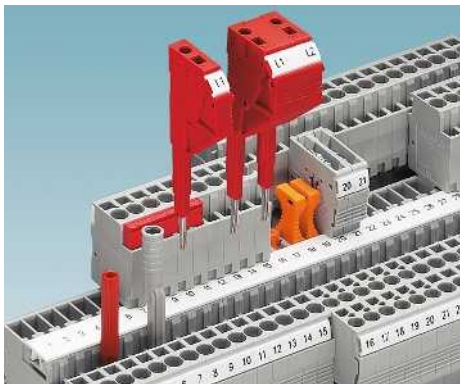


Touch proof

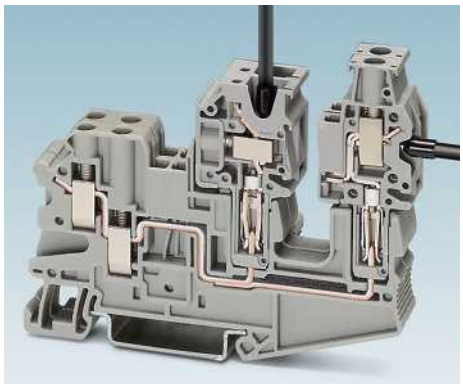
The COMBI system offers the highest levels of protection for users, as both the basic terminal blocks and the plugs are touch proof. Alongside the safety aspect, this offers great flexibility for configuration work: the supply may be routed via the terminal blocks or the plugs.



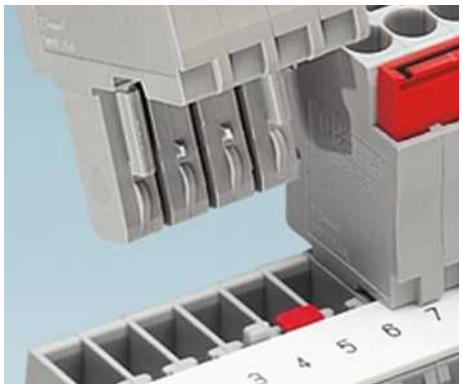
The standardized bridge system enables up to 50 terminal blocks to be connected with one bridge in an efficient manner suited to the application. A jumping bridge can be created by removing individual forks.



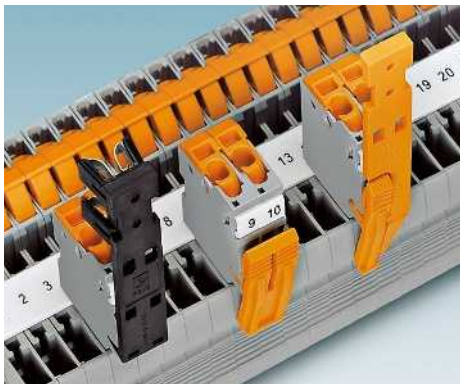
A test plug with a 2.3 mm diameter is available for measuring lines. All measurement and test work can be completed at speed using test adapters for 4 mm diameter test plugs and the modular test plugs.



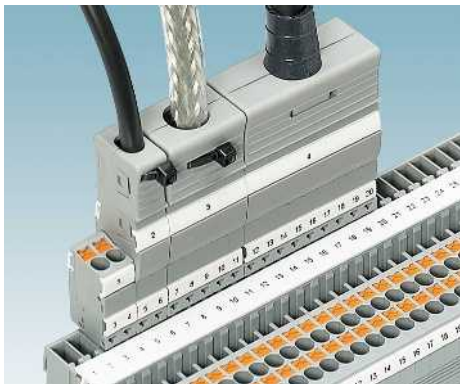
Connectors with different conductor output directions (to the side or upwards) allow for practical, efficient wiring. This results in great flexibility as required in various areas of application.



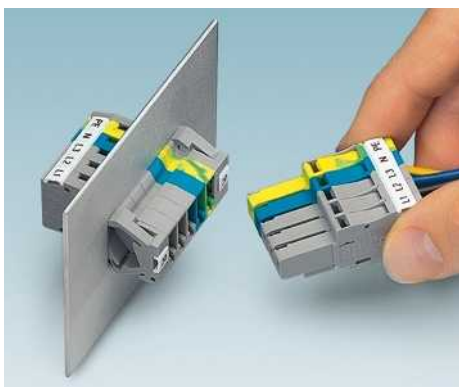
The simple and individual coding option increases wiring reliability and also protects against incorrect connection. To do this, the pin must be released from the connector, turned and inserted in the basic terminal block.



Snap-on strain relief is available if required to relieve the strain on cables at the connectors. Latching is also available and can be used to permanently fix connectors to basic terminal blocks.



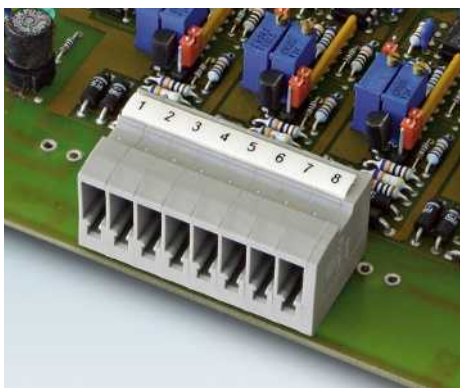
The cable housings are used for robust strain relief. These housings are split in two, making them easy to fit and safe to latch onto the COMBI plugs provided. Bend protection sleeves and shield connections are available as accessories.



Panel feed-throughs can be produced efficiently by simply snapping the panel feed-through SSL onto the standard coupling. The panel feed-through is slid into the cut-out and automatically latches into place.



A coupling version which can be fitted on rails offers a solution for applications with a low build height. The integrated duo foot allows for mounting on both NS 15 and NS 35 DIN rails.



The COMBI base strip is a modular PCB connection. Universal plug-in solutions from the DIN rail through to the device can therefore be implemented with the same plug.

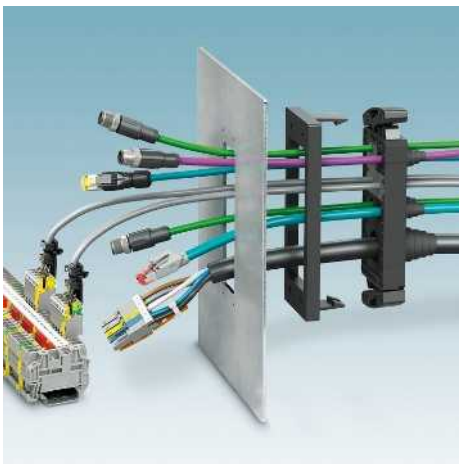
UT-COMBI feed-through terminal blocks with screw connection



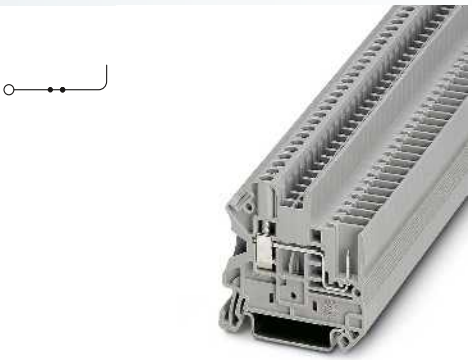
The plug-in UT-COMBI screw terminal block series is characterized by the system features of the standard UT terminal block series and those of the CLIPLINE complete system, as well as the following features:
– Uniform, touch-proof plug-in zone
– Compatible with the standard UT terminal blocks
– For nominal currents up to 41 A
– For nominal voltages up to 1000 V
– Screw flange for securely latching connectors
– Terminal blocks which can be connected on both sides are available

Cable entry system

– The CES cable entry system (see Catalog 4) enables the easy and space-saving installation of pre-assembled cables with IP54/IP65 protection in the control cabinet, see figure below



Notes:
For screw flange, see page 436.
For terminal blocks which can be connected on both sides, see page 361.
For other accessories, see page 428.
[1]) For derating curve, visit www.phoenixcontact.net/products



2.5 (4) mm², 24 A, feed-through terminal block

Technical data

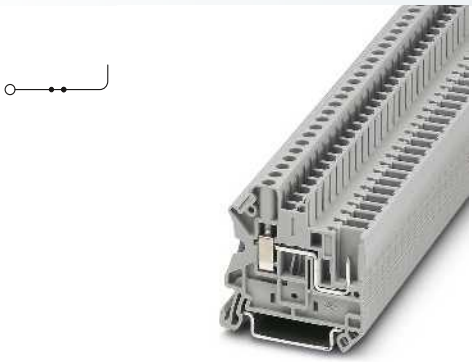
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**47.6**	**47.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		24[1]) / 500 / 0.14 - 4 / 26 - 12		
Rated data		IEC 61984 / IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	-
Nominal current / cross section	[A] / [mm²]	24[1]) / 2.5	20 / -	20 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	26 - 12	26-12	26-12	-
Connection capacity		solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

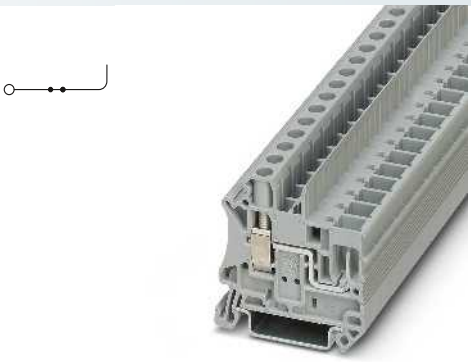
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**UT 2,5/1P**		**3045017**	50
		blue	**UT 2,5/1P BU**		**3045020**	50

Accessories

Cover, width 2.2 mm		gray	**D-UT 2,5/1P**		**3047154**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-UT**		**3047167**	50
Screw flange, for UT-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP-H 2,5 plugs for UT 2,5/1P, UT 2,5/1P-PE		gray	**UT 2,5/1P-F**		**3060445**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Warning label, for UT series		yellow	**WS UT 2,5**		**3047923**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**		**3040588**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			



4 (6) mm², 32 A, feed-through terminal block



6 (10) mm², 41 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**47.6**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32[1])	**800**	**0.14 - 6**	**26 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
32[1]) / 4	30 / -	30	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4/ 1P		**3045583**	50
UT 4/ 1P BU		**3045596**	50

Accessories

D-UT 2,5/1P		**3047154**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT		**3047167**	50
UT 4/ 1P-F		**3060458**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
PC		**3040588**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**49.1**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41[1])	**1000**	**0.2 - 10**	**24 - 8**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
41[1]) / 6	40 / -	-	-
6	-	-	-
24 - 8	24-8	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 6/1P		**3060539**	50
UT 6/1P BU		**3060542**	50

Accessories

D-UT 2,5/1P		**3047154**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
ATP-UT		**3047167**	50
UT 4/ 1P-F		**3060458**	50
PAI-4-N GY		**3032871**	10
PS-8		**3031005**	10
WS UT 6		**3047345**	10
PC		**3040588**	50
SF-SL 0,8X4,0-100 S-VDE		**1212588**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

UT-COMBI ground terminal blocks with screw connection

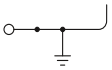
– Same shape and pitch as the feed-through terminal blocks
– Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
– All the requirements of IEC 61984 and IEC 60947-7-2 standard are met

Terminal strip service

We produce fully pre-assembled terminal strips for fitting straight into the control cabinet or switch system. This simplifies installation, saves time, and cuts costs.

Notes:

For current carrying capacity of DIN rails, see page 716.





2.5 (4) mm², ground terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**5.2**	**47.6**	**47.5**
Max. electrical data				max. Ø [mm²] / AWG
				0.14 - 4 / 26 - 12
Rated data		IEC 61984 IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	26 - 12	26-12	26-12 / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			- / 0.5 - 1.5
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V0		

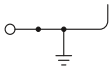
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**UT 2,5/1P-PE**	**3045033**	50

Accessories

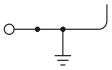
Cover, width 2.2 mm		gray	**D-UT 2,5/1P**	**3047154**	50
Plug-in bridge					
	2	red	**FBS 2-5**	**3030161**	50
	3	red	**FBS 3-5**	**3030174**	50
	4	red	**FBS 4-5**	**3030187**	50
	5	red	**FBS 5-5**	**3030190**	50
	10	red	**FBS 10-5**	**3030213**	10
	20	red	**FBS 20-5**	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-UT**	**3047167**	50
Screw flange, for UT-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP-H 2,5 plugs For UT 2,5/1P, UT 2,5/1P-PE		gray	**UT 2,5/1P-F**	**3060445**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**	**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**	**3030983**	10
Warning label, for UT series		yellow	**WS UT 2,5**	**3047923**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**	**3040588**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Lateral groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**		







4 (6) mm², ground terminal block





6 (10) mm², ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**47.6**	**47.5**	
		max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 2.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UT 4/ 1P-PE	**3045606**	50

Accessories

D-UT 2,5/1P	**3047154**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-UT	**3047167**	50
UT 4/ 1P-F	**3060458**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
WS UT 4	**3047332**	10
PC	**3040588**	50
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**49.1**	**47.5**	
		max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	-
24 - 8	24-8	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UT 6/1P-PE	**3060555**	50

Accessories

D-UT 2,5/1P	**3047154**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
ATP-UT	**3047167**	50
UT 4/ 1P-F	**3060458**	50
PAI-4-N GY	**3032871**	10
PS-8	**3031005**	10
WS UT 6	**3047345**	10
PC	**3040588**	50
SF-SL 0,8X4,0-100 S-VDE	**1212588**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

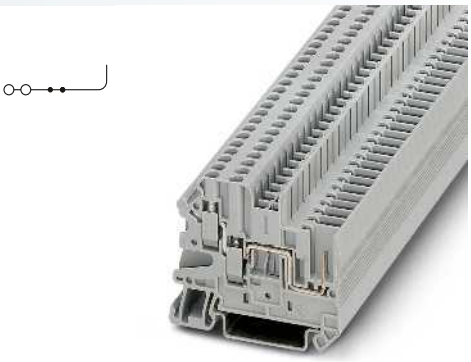
UT-COMBI feed-through terminal blocks with screw connection



– Connectors with different conductor output directions (to the side or upwards) allow for practical, efficient wiring. This results in great flexibility as required in various areas of application.
– Screw flange for securely latching connectors, see figure below



Notes:
For additional technical data, drawings, and accessories, please visit www.phoenixcontact.net/products.
For other accessories, see page 428.
1) The total current of all connected conductors must not exceed the max. load current.
2) For derating curve, visit www.phoenixcontact.net/products



2.5 (4) mm², 24 A, feed-through terminal block, 3 connections

Technical data

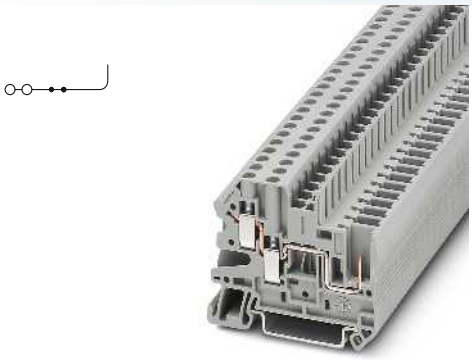
Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**55.7**	**47.5**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	24[1])	**500**	**0.14 - 4**	**26 - 12**
Rated data	IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	-	-
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	26 - 12	26-12	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**UT 2,5-TWIN/1P**		**3060490**	50
		blue	**UT 2,5-TWIN/1P BU**		**3060500**	50

Accessories

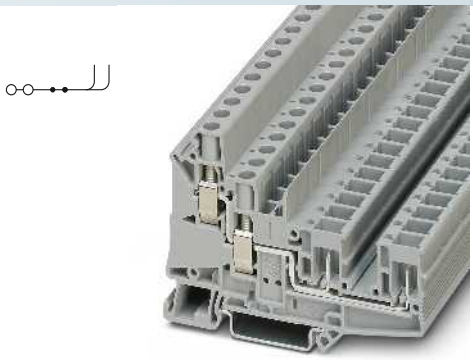
Cover, width 2.2 mm		gray	**D-UT 4-TWIN/ 1P**		**3045237**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2.2 mm wide		gray	**ATP-UT-QUATTRO**		**3047196**	50
Screw flange		gray	**UT 2,5-TWIN/1P-F**		**3061172**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Warning label, for UT series		yellow	**WS UT 2,5**		**3047923**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**		**3040588**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			



4 (6) mm², 32 A, feed-through terminal block, 3 connections



4 (6) mm², 32 A, feed-through terminal block, 4 connections



6 (10) mm², 41 A, feed-through terminal block, 4 connections

Technical data

Width	Length	Height NS 35/7,5	
6.2	**55.7**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32[1])	**500**	**0.14 - 6**	**26 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	300	-
32[2]) / 4	30 / -	30	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-TWIN/ 1P		**3060267**	50
UT 4-TWIN/ 1P BU		**3060270**	50

Accessories

D-UT 4-TWIN/ 1P		**3045237**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT-QUATTRO		**3047196**	50
UT 4-TWIN/ 1P-F		**3060322**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
PC		**3040588**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**82.4**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32[1])	**500**	**0.14 - 6**	**26 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	300	-
32[2]) / 4	30 / -	30	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 4-QUATTRO/ 2P		**3060296**	50
UT 4-QUATTRO/ 2P BU		**3060306**	50

Accessories

D-UT 4-QUATTRO/ 2P		**3045648**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-UT-QUATTRO		**3047196**	50
UT 4-QUATTRO/ 2P-F		**3060335**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WS UT 4		**3047332**	10
PC		**3040588**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**86.5**	**60**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41[1])	**1000**	**0.2 - 10**	**24 - 8**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
41[2]) / 6	40 / -	-	-
6	-	-	-
24 - 8	24-8	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UT 6-QUATTRO/2P		**3060568**	50
UT 6-QUATTRO/2P BU		**3060571**	50

Accessories

D-UT 6-QUATTRO/2P		**3060607**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
ATP-QTTCB		**3206238**	50
UT 6-QUATTRO/2P-F		**3060843**	50
PAI-4-N GY		**3032871**	10
PS-8		**3031005**	10
WS UT 6		**3047345**	10
PC		**3040588**	50
SF-SL 0,8X4,0-100 S-VDE		**1212588**	10

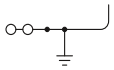
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

UT-COMBI ground terminal blocks with screw connection

– Same shape and pitch as the feed-through terminal blocks
– Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
– All the requirements of standard IEC 61984 and IEC 60947-7-2 are met

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

Notes:
For current carrying capacity of DIN rails, see page 716.





2.5 (4) mm², ground terminal block, 3 connections

Technical data

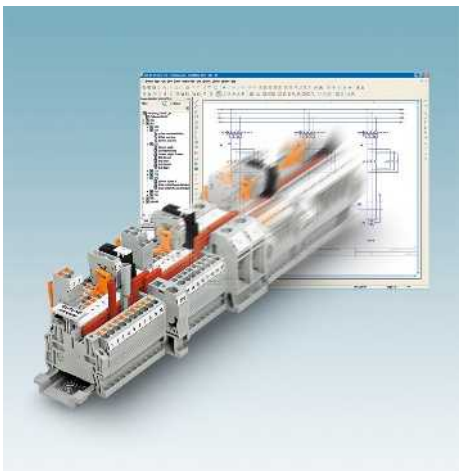
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**5.2**	**55.7**	**47.5**
Max. electrical data				max. Ø [mm²] / AWG
				0.14 - 4 / 26 - 12
Rated data		IEC 61984 IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	26 - 12	26-12	- / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1 / -
Two stranded conductors with a TWIN ferrule	[mm²]			- / 0.5 - 1
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V0		

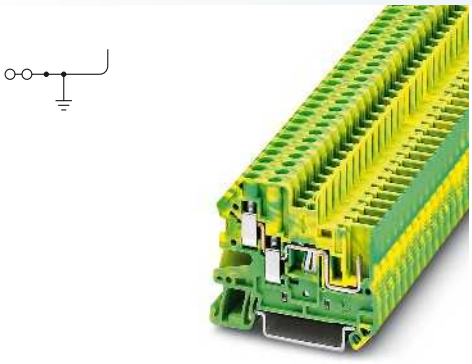
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**UT 2,5-TWIN/1P-PE**	**3060513**	50

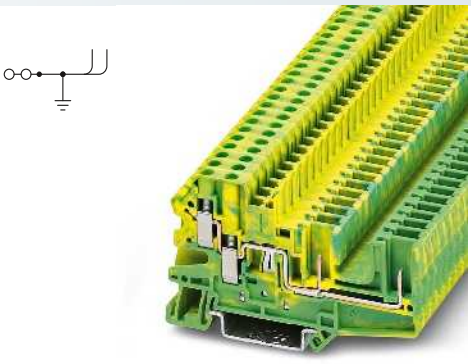
Accessories

Cover, width 2.2 mm		gray	**D-UT 4-TWIN/ 1P**	**3045237**	50
Plug-in bridge					
	2	red	**FBS 2-5**	**3030161**	50
	3	red	**FBS 3-5**	**3030174**	50
	4	red	**FBS 4-5**	**3030187**	50
	5	red	**FBS 5-5**	**3030190**	50
	10	red	**FBS 10-5**	**3030213**	10
	20	red	**FBS 20-5**	**3030226**	10
Partition plate, 2.2 mm wide		gray	**ATP-UT-QUATTRO**	**3047196**	50
Screw flange		gray	**UT 2,5-TWIN/1P-F**	**3061172**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**	**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**	**3030983**	10
Warning label, for UT series		yellow	**WS UT 2,5**	**3047923**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**	**3040588**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Lateral groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**		

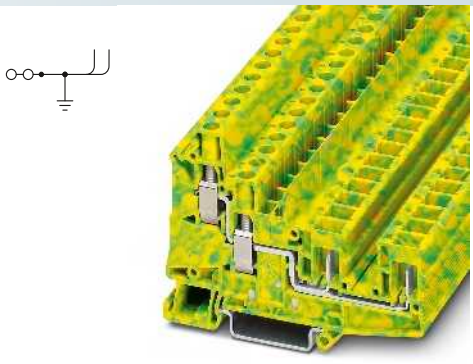




4 (6) mm², ground terminal block, 3 connections



4 (6) mm², ground terminal block, 4 connections



6 (10) mm², ground terminal block, 4 connections

Technical data

Width	Length	Height NS 35/7,5	
6.2	**55.7**	**47.5**	
		max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UT 4-TWIN/ 1P-PE	**3060283**	50

Accessories

D-UT 4-TWIN/ 1P	**3045237**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-UT-QUATTRO	**3047196**	50
UT 4-TWIN/ 1P-F	**3060322**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
WS UT 4	**3047332**	10
PC	**3040588**	50
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**82.4**	**47.5**	
		max. Ø [mm²]	AWG
		0.14 - 6	**26 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UT 4-QUATTRO/ 2P-PE	**3060319**	50

Accessories

D-UT 4-QUATTRO/ 2P	**3045648**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-UT-QUATTRO	**3047196**	50
UT 4-QUATTRO/ 2P-F	**3060335**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
WS UT 4	**3047332**	10
PC	**3040588**	50
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**86.5**	**60**	
		max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	-
24 - 8	24-8	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UT 6-QUATTRO/2P-PE	**3060584**	50

Accessories

D-UT 6-QUATTRO/2P	**3060607**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
ATP-QTTCB	**3206238**	50
PAI-4-N GY	**3032871**	10
PS-8	**3031005**	10
WS UT 6	**3047345**	10
PC	**3040588**	50
SF-SL 0,8X4,0-100 S-VDE	**1212588**	10

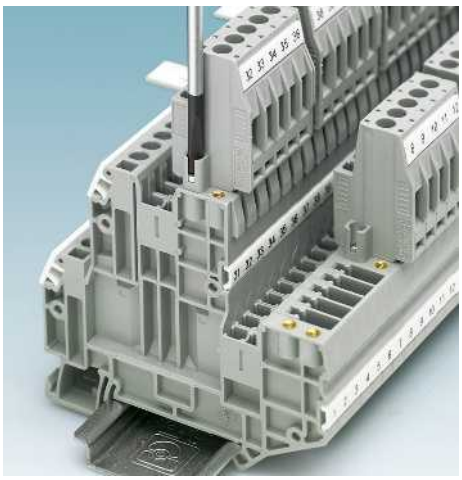
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

UT-COMBI double-level terminal blocks with screw connection

– Potential managed on two levels
– Amount of space required is reduced by 50% compared to single-level terminal blocks
– Separate potentials can be managed as there are two bridge shafts on each level
– Cross connection to any number of terminal blocks with the FBS ... continuous plug-in bridge system
– Replacement, e.g., for supply with heavy-duty plug-in connectors in the control cabinet

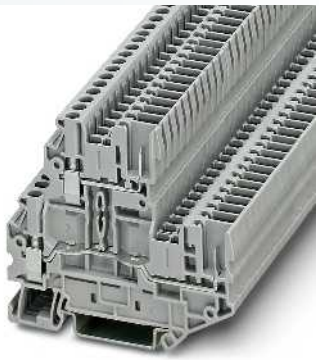
UTTB ...-F screw flange

– The UTTB ...−F screw flanges are snapped onto the DIN rail directly
– Have the same shape as the corresponding basic terminal blocks
– Due to the offset arrangement of the screw sockets, only one basic flange is required between two neighboring connectors at a time, see figure below



Notes:
For current carrying capacity of DIN rails, see page 716.
The SP..., UP..., QP..., DP... connectors suitable for the UT-COMBI terminal blocks are documented, see page 408.
For screw flange, see page 436.
1) The total current of all connected conductors must not exceed the max. load current.
2) For derating curve, visit www.phoenixcontact.net/products





2.5 (4) mm², 24 A, feed-through terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	5.2	74.3	65	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24²)	500	0.14 - 4	26 - 12
Rated data		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	-	-
Nominal current / cross section	[A] / [mm²]	24²) / 2.5	20 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	26 - 12	26-12	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

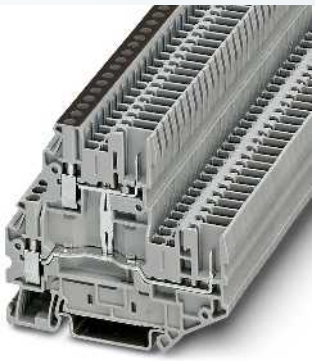
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**UTTB 2,5/2P**		**3060351**	50
		blue	**UTTB 2,5/2P BU**		**3060364**	50
Terminal block, with equipotential bonder, for mounting on NS 35...¹)		gray				
		blue				
Ground terminal block, for mounting on NS 35...		green-yellow				

Accessories

Cover, width 2.2 mm		gray	**D-UTTB 2,5/4 2P**		**3060393**	50
Spacer plate, compensates for level offsets, width 2.5 mm		gray	**DP-UTTB 2,5/4**		**3047303**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Vertical potential bridge, to connect the upper and lower level		black	**FBS-PV UT**		**3047358**	50
Partition plate, 2.2 mm wide		gray	**ATP-UTTB 2,5/4**		**3047316**	50
Screw flange		gray	**UTTB 2,5/2P-F**		**3060474**	50
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			





2.5 (4) mm², 24 A, double-level terminal block, internally connected levels





2.5 (4) mm², double-level ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	**74.3**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24[1])	**500**	**0.14 - 4**	**26 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	-	-
24[2]) / 2.5	20 / -	-	-
2.5	-	-	-
26 - 12	26-12	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UTTB 2,5/2P-PV		**3060377**	50
UTTB 2,5/2P-PV BU		**3060487**	50

Accessories

D-UTTB 2,5/4 2P		**3060393**	50
DP-UTTB 2,5/4		**3047303**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-UTTB 2,5/4		**3047316**	50
UTTB 2,5/2P-F		**3060474**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**74.3**	**65**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

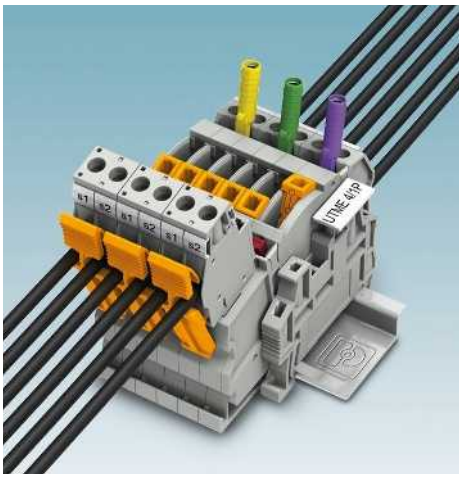
Type	Order No.	Pcs. / Pkt.
UTTB 2,5/2P-PE	**3060380**	50

Accessories

D-UTTB 2,5/4 2P	**3060393**	50
DP-UTTB 2,5/4	**3047303**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-UTTB 2,5/4	**3047316**	50
UTTB 2,5/2P-F	**3060474**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

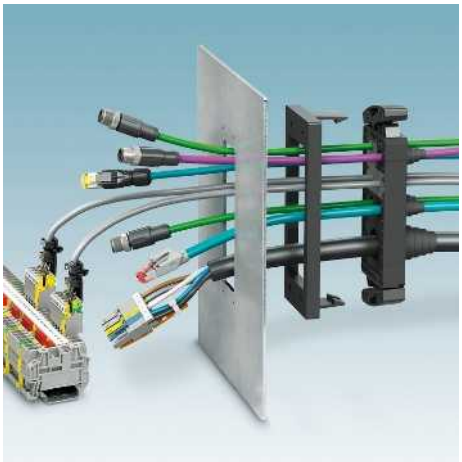
UTME 4/1P plug-in test disconnect terminal blocks



- The COMBI system offers the highest levels of protection for users, as both the basic terminal blocks and the plugs are touch proof. Alongside the safety aspect, this offers great flexibility for configuration work: the supply may be routed via the terminal blocks or the plugs
- Thanks to the straightforward, custom coding option, wiring reliability is increased and incorrect connections are avoided
- Strain relief can be snapped on
- Latching fixes connectors to basic terminal blocks

Cable entry system

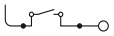
- The CES cable entry system (see Catalog 4) enables the easy and space-saving installation of pre-assembled cables with IP54/IP65 protection in the control cabinet, see figure below

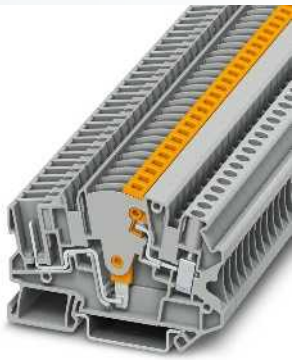


Notes:

For corresponding AP-ME and AH-ME terminal strip covers, see Catalog 5.

[1]) For derating curve, visit www.phoenixcontact.net/products





4 (6) mm², 28 A, test disconnect terminal block

Technical data

Dimensions			
	Width	Length	Height NS 35/7,5
	6.2	**71.1**	**49.5**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
	28[1])	**500**	**0.14 - 6 / 26 - 10**
Rated data	IEC 61984 / IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	28[1]) / 4	25 / -	25	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	26 - 10	26-10	26-10	-
Connection capacity	solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor [mm²]	0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
Two conductors (of the same type) [mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 2.5
General data				
Stripping length [mm]	9			
Screw thread	M3			
Tightening torque [Nm]	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

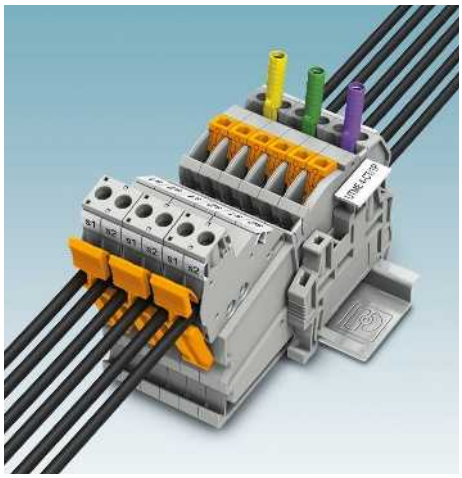
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**UTME 4/1P**		**3057416**	50

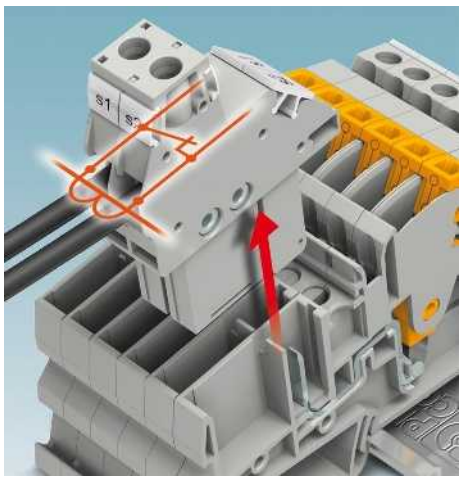
Accessories

Cover, width 2.2 mm		gray	**D-UTME 4/1P**		**3057429**	10
Switching jumper, plug-in	2	gray/orange	**SB-ME 2-6**	28 A	**3035755**	10
	3	gray/orange	**SB-ME 3-6**	28 A	**3035756**	10
	4	gray/orange	**SB-ME 4-6**	28 A	**3035757**	10
Plug-in bridge	2	red	**FBS 2-6**	32 A	**3030336**	50
	5	red	**FBS 5-6**	32 A	**3030349**	50
	10	red	**FBS 10-6**	32 A	**3030271**	10
	20	red	**FBS 20-6**	32 A	**3030365**	10
Switching lock, plug-in		white	**S-ME 4**		**3035758**	10
Connection bridge, for connecting two test disconnect terminal blocks		orange	**C-ME 4/2**		**3035759**	10
3-pos.		orange	**C-ME 4/3**		**3035760**	10
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft		orange	**PAI-4-FIX-5/6 OG**		**3035974**	10
		yellow	**PAI-4-FIX-5/6 YE**		**3035977**	10
		green	**PAI-4-FIX-5/6 GN**		**3035978**	10
		violet	**PAI-4-FIX-5/6 VT**		**3035979**	10
		black	**PAI-4-FIX-5/6 BK**		**3035980**	10
		blue	**PAI-4-FIX-5/6 BU**		**3035975**	10
		red	**PAI-4-FIX-5/6 RD**		**3035976**	10
		gray	**PAI-4-FIX-5/6 GY**		**3035982**	10
		brown	**PAI-4-FIX-5/6 BN**		**3035981**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-6**		**3030996**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**		**3040588**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Lateral groove labeling			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**			

UTME 4–CT... plug-in current transformer disconnect terminal blocks with automatic short-circuit function



– The terminal block with patented short-circuit plug is particularly convenient and safe. If the connector is removed, an advanced short circuit occurs automatically.
– Connected measuring transducers are automatically protected against damage

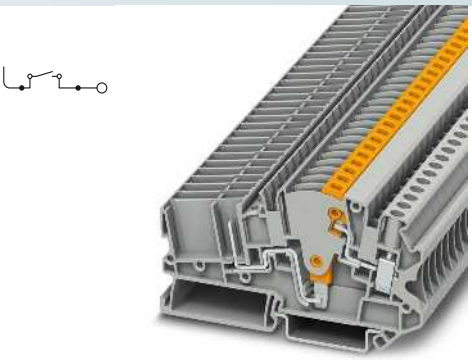


Notes:

For further test adapters, see page 479.

For corresponding AP-ME and AH-ME terminal strip covers, see Catalog 5.

[1]) For derating curve, visit www.phoenixcontact.net/products



4 (6) mm², 28 A, current transformer disconnect terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**86.5**	**49.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG
		28	**500**	**0.14 - 6** **26 - 10**
Rated data		IEC 61984 IEC	UL/CUL	CSA IEC/ EN 60079-7
Rated voltage	[V]	500	600	600 -
Nominal current / cross section	[A] / [mm²]	28[1]) / 4	25 / -	25 -
Rated cross section	[mm²]	4	-	- -
Cross section range	AWG	26 - 10	26-10	26-10 -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 6	0.14 - 4	0.14 - 4 0.14 - 4
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 -
Two stranded conductors with a TWIN ferrule	[mm²]			0.5 - 2.5
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**UTME 4-CT/1P**		**3057432**	50

Accessories

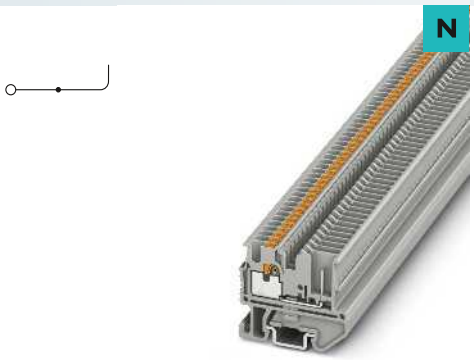
Cover, width 2.2 mm		gray	**D-UTME 4-CT/1P**		**3057445**	10
COMBI plug, with integrated short-circuit function, 2-pos.						
2-pos.		gray	**UPCT 4/2**		**3057461**	10
3-pos.		gray	**UPCT 4/3**		**3057458**	10
Plug-in bridge						
	2	red	**FBS 2-6**	32 A	**3030336**	50
	3	red	**FBS 3-6**	32 A	**3030242**	50
	4	red	**FBS 4-6**	32 A	**3030255**	50
	5	red	**FBS 5-6**	32 A	**3030349**	50
	10	red	**FBS 10-6**	32 A	**3030271**	10
	20	red	**FBS 20-6**	32 A	**3030365**	10
Switching lock, plug-in		white	**S-ME 4**		**3035758**	10
Connection bridge, for connecting two test disconnect terminal blocks		orange	**C-ME 4/2**		**3035759**	10
3-pos.		orange	**C-ME 4/3**		**3035760**	10
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft		orange	**PAI-4-FIX-5/6 OG**		**3035974**	10
		yellow	**PAI-4-FIX-5/6 YE**		**3035977**	10
		green	**PAI-4-FIX-5/6 GN**		**3035978**	10
		violet	**PAI-4-FIX-5/6 VT**		**3035979**	10
		black	**PAI-4-FIX-5/6 BK**		**3035980**	10
		blue	**PAI-4-FIX-5/6 BU**		**3035975**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-6**		**3030996**	10
Strain relief, for UPBV... connectors, 2-pos.		black	**UPZ/ 2**		**3045554**	50
Coding profile, for 2-pos. plug		red	**PC-CT/2**		**3032855**	1
For 3-pos. plugs		red	**PC-CT/3**		**3032868**	1
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Lateral groove labeling			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**			

PT-COMBI feed-through terminal blocks with push-in connection

– Uniform, touch-proof plug-in zone
– Compatible with push-in standard terminal blocks
– Compact design also with 3.5 mm pitch
– For nominal currents up to 41 A
– For nominal voltages up to 1000 V

Notes:

[1]) For derating curve, visit www.phoenixcontact.net/products



1.5 (1.5) mm², 17.5 A, mini feed-through terminal block



1.5 (1.5) mm², 17.5 A, feed-through terminal block

Technical data

Dimensions	Width	Length	Height NS 35/7,5		
[mm]	**3.5**	**33.55**	**-**		
Dimensions	Width	Length	Height NS 15		
[mm]	**3.5**	**33.55**	**28.1**		
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
	17.5[1])	**500**	**0.14 - 1.5**	**26 - 14**	
Rated data	IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7	
Rated voltage [V]	500	-	-	-	
Nominal current / cross section [A] / [mm²]	17.5[1]) / 1.5	- / -	-	-	
Rated cross section [mm²]	1.5	-	-	-	
Cross section range AWG	26 - 14	-	-	-	
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve		
1 conductor [mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1	
Two stranded conductors with a TWIN ferrule [mm²]					
Direct plug-in connection cross sections [mm²]	0.25 - 1.5	-	0.34 - 1.5	0.34 - 1	
General data					
Stripping length [mm]	8				
Insulating material	PA				
Inflammability class according to UL 94	V0				

Technical data

Width	Length	Height NS 35/7,5		
3.5	**46**	**32**		
Width	Length	Height NS 15		
3.5	**46**	**-**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
17.5[1])	**500**	**0.14 - 1.5**	**26 - 16**	
IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7	
500	600	600	-	
17.5[1]) / 1.5	15 / -	15	-	
1.5	-	-	-	
26 - 16	26-14	26-14	-	
solid	stranded	Ferrule Without / with plastic sleeve		
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1	
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1	
8				
PA				
V0				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 15		gray	**MPT 1,5/S/1P**		**3248115**	50
		blue	**MPT 1,5/S/1P BU**		**3248116**	50
Terminal block, for mounting on NS 35...		gray				
		blue				

Ordering data

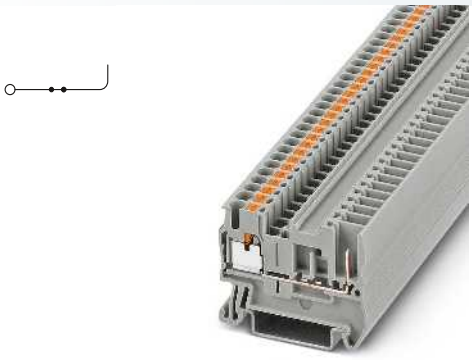
Type	I_{max}	Order No.	Pcs. / Pkt.
PT 1,5/S/1P		**3208582**	50
PT 1,5/S/1P BU		**3208595**	50

Accessories

Cover, width 2.2 mm		gray	**D-MPT 1,5/S**		**3248120**	50
Cover, 0.8 mm width		orange				
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white				
0.25 - 0.5 mm²		gray				
0.75 - 1 mm²		black				
Plug-in bridge						
	2	red	**FBS 2-3,5**	17.5 A	**3213014**	50
	3	red	**FBS 3-3,5**	17.5 A	**3213027**	50
	4	red	**FBS 4-3,5**	17.5 A	**3213030**	50
	5	red	**FBS 5-3,5**	17.5 A	**3213043**	50
	10	red	**FBS 10-3,5**	17.5 A	**3213056**	50
	20	red	**FBS 20-3,5**	17.5 A	**3213069**	50
Partition plate, 2 mm width		gray				
Screw flange, for ST-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP-H 2,5 plugs for ST 2,5/1P, ST 2,5/1P-PE, PT 2,5/1P, PT 2,5/1P-PE		gray				
Test adapter, 4-mm test socket hole		gray				
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red				
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**		**3040588**	50
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10
Center groove labeling						
Center and lateral groove labeling			**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**			

Accessories

D-PT 1,5/S		**3208142**	50
FBS 2-3,5	17.5 A	**3213014**	50
FBS 3-3,5	17.5 A	**3213027**	50
FBS 4-3,5	17.5 A	**3213030**	50
FBS 5-3,5	17.5 A	**3213043**	50
FBS 10-3,5	17.5 A	**3213056**	50
FBS 20-3,5	17.5 A	**3213069**	50
ATP-ST 4		**3030721**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PC		**3040588**	50
SZF 0-0,4X2,5		**1204504**	10
UCT-TM 3,5 or ZB 3,5 (see Catalog 5)			
UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)			



2.5 (4) mm², 24 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	**48.5**	**36.5**	
Width	Length	Height NS 15	
5.2	**48.5**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24[1])	**500**	**0.14 - 4**	**26 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
24[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5/1P		**3210033**	50
PT 2,5/1P BU		**3210046**	50

Accessories

D-ST 2,5		**3030417**	50
D-ST 2,5-0,8 OG		**3030511**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST 4		**3030721**	50
ST 2,5/1P-F		**3209837**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



4 (6) mm², 32 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**56**	**36.5**	
Width	Length	Height NS 15	
6.2	**56**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32[1])	**800**	**0.2 - 6**	**24 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	-	-	-
32[1]) / 4	- / -	-	-
4	-	-	-
24 - 10	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 4/1P		**3211937**	50
PT 4/1P BU		**3212007**	50

Accessories

D-ST 4		**3030420**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST 4		**3030721**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)



6 (10) mm², 41 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**57.7**	**43.5**	
Width	Length	Height NS 15	
8.2	**57.7**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41[1])	**1000**	**0.5 - 10**	**20 - 8**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
41[1]) / 6	40 / -	-	-
6	-	-	-
20 - 8	20-8	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
			0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 6/1P		**3061758**	50
PT 6/1P BU		**3061761**	50

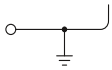
Accessories

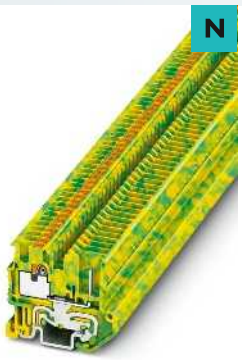
D-PT 6		**3212044**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
ATP-ST 6		**3024481**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
PC		**3040588**	50
SZF 2-0,8X4,0		**1204520**	10

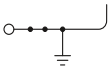
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

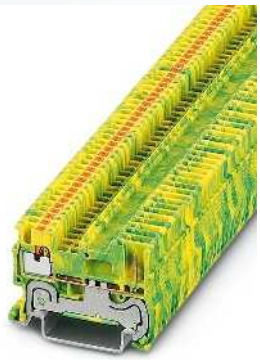
PT-COMBI ground terminal blocks with push-in connection

– Have the same shape as the corresponding basic terminal blocks
– Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
– All the requirements of standard IEC 60947−7−2 are met





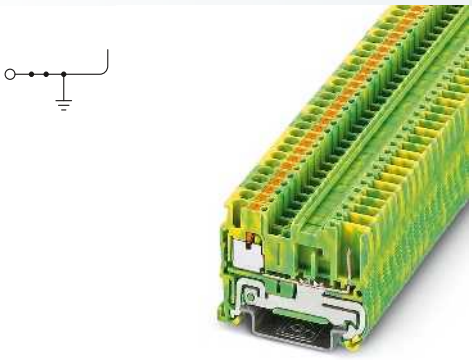




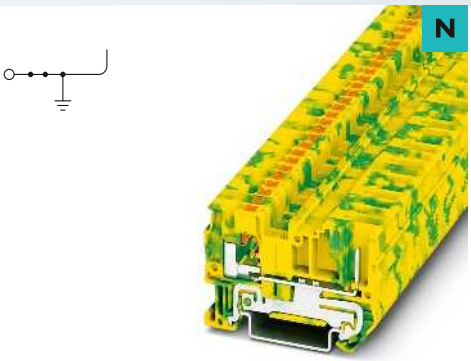
1.5 (1.5) mm², ground terminal block

Technical data						Technical data				
Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**3.5**	**33.55**	**-**		**3.5**	**46**	**32**	
Dimensions		Width	Length	Height NS 15		Width	Length	Height NS 15	
	[mm]	**3.5**	**33.55**	**28.1**		**3.5**	**46**	**-**	
Max. electrical data				max. Ø [mm²]	AWG			max. Ø [mm²]	AWG
				0.14 - 1.5	**26 - 14**			**0.14 - 1.5**	**26 - 16**
Rated data		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7	IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	- / -	-	-	-	- / -	-	-
Rated cross section	[mm²]	1.5	-	-	-	1.5	-	-	-
Cross section range	AWG	26 - 14	-	-	-	26 - 16	26-14	26-14	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]								
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5	0.34 - 1	0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
General data									
Stripping length	[mm]	8				8			
Insulating material		PA				PA			
Inflammability class according to UL 94		V0				V0			

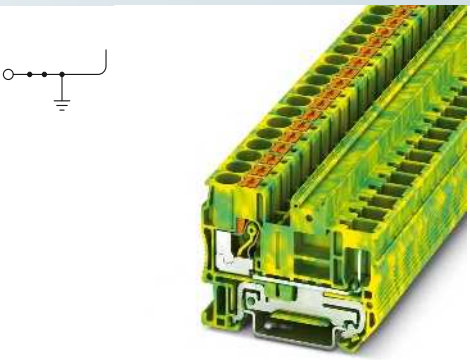
Description	No. of pos.	Color	Ordering data Type	Order No.	Pcs. / Pkt.	Ordering data Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 15		green-yellow	**MPT 1,5/S/1P-PE**	**3248117**	50			
Ground terminal block, for mounting on NS 35...		green-yellow				**PT 1,5/S/1P-PE**	**3212332**	50
Accessories								
Cover, width 2.2 mm		gray	**D-MPT 1,5/S**	**3248120**	50	**D-PT 1,5/S**	**3208142**	50
Cover, 0.8 mm width		orange						
Insulation stop sleeve, cross section range:								
0.08 - 0.2 mm²		white						
0.25 - 0.5 mm²		gray						
0.75 - 1 mm²		black						
Plug-in bridge								
	2	red				**FBS 2-3,5**	**3213014**	50
	3	red				**FBS 3-3,5**	**3213027**	50
	4	red				**FBS 4-3,5**	**3213030**	50
	5	red				**FBS 5-3,5**	**3213043**	50
	10	red				**FBS 10-3,5**	**3213056**	50
	20	red				**FBS 20-3,5**	**3213069**	50
Partition plate, 2 mm width		gray				**ATP-ST 4**	**3030721**	50
Screw flange, for ST-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP-H 2,5 plugs for ST 2,5/1P, ST 2,5/1P-PE, PT 2,5/1P, PT 2,5/1P-PE		gray						
Test adapter, 4-mm test socket hole		gray						
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red						
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**	**3040588**	50	**PC**	**3040588**	50
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10	**SZF 0-0,4X2,5**	**1204504**	10
Center groove labeling						**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**		
Center and lateral groove labeling			**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**			**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**		



2.5 (4) mm², ground terminal block



4 (6) mm², ground terminal block



6 (10) mm², ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	**48.5**	**36.5**	
Width	Length	Height NS 15	
5.2	**48.5**		
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PT 2,5/1P-PE	**3210059**	50

Accessories

D-ST 2,5	**3030417**	50
D-ST 2,5-0,8 OG	**3030511**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-ST 4	**3030721**	50
ST 2,5/1P-F	**3209837**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
PC	**3040588**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**56**	**36.5**	
Width	Length	Height NS 15	
6.2	**56**	**-**	
		max. Ø [mm²]	AWG
		0.2 - 6	**24 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	-
24 - 10	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PT 4/1P-PE	**3211942**	50

Accessories

D-ST 4	**3030420**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-ST 4	**3030721**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
PC	**3040588**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**57.7**	**43.5**	
Width	Length	Height NS 15	
8.2	**57.7**	**-**	
		max. Ø [mm²]	AWG
		0.5 - 10	**20 - 8**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	-
20 - 8	20-8	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
			0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PT 6/1P-PE	**3061774**	50

Accessories

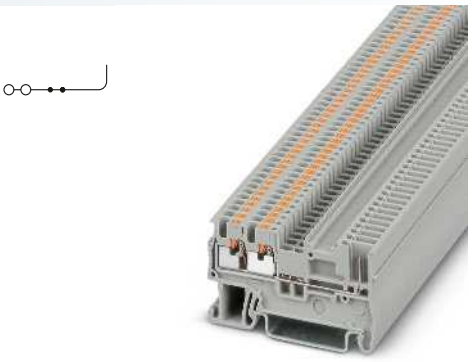
D-PT 6	**3212044**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
ATP-ST 6	**3024481**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-8	**3031005**	10
PC	**3040588**	50
SZF 2-0,8X4,0	**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

PT–COMBI three-conductor feed-through and ground terminal blocks with push-in connection

– Uniform, touch-proof plug-in zone
– Compatible with push-in standard terminal blocks
– Compact design also with 3.5 mm pitch
– For nominal currents up to 41 A
– For nominal voltages up to 1000 V
– Self-locking flange for safe latching of connector, see figure below

Notes:
For current carrying capacity of DIN rails, see page 716.
For self-locking flange covers, see page 435.
1) The total current of all connected conductors must not exceed the max. load current.
2) For derating curve, visit www.phoenixcontact.net/products



1.5 (1.5) mm², 17.5 A, feed-through terminal block, 3 connections

Technical data

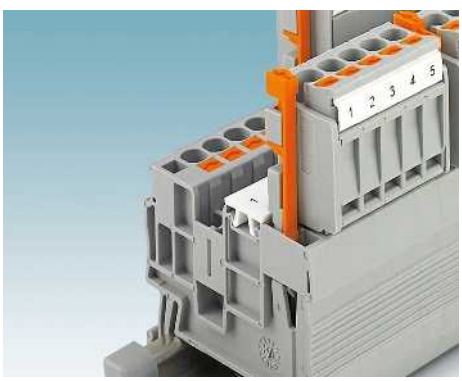
Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]			
	3.5	**55**	**32**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	17.5[1])	**500**	**0.14 - 1.5**	**26 - 14**
Rated data	IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	17.5[2]) / 1.5	15 / -	15	-
Rated cross section [mm²]	1.5	-	-	-
Cross section range AWG	26 - 14	26-14	26-14	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
Two stranded conductors with a TWIN ferrule [mm²]				
Direct plug-in connection cross sections [mm²]	0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
General data				
Stripping length [mm]	8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

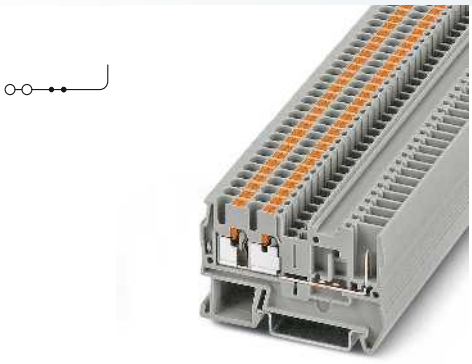
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PT 1,5/S-TWIN/1P**		**3212358**	50
		blue	**PT 1,5/S-TWIN/1P BU**		**3212361**	50
Ground terminal block, for mounting on NS 35...		green-yellow				

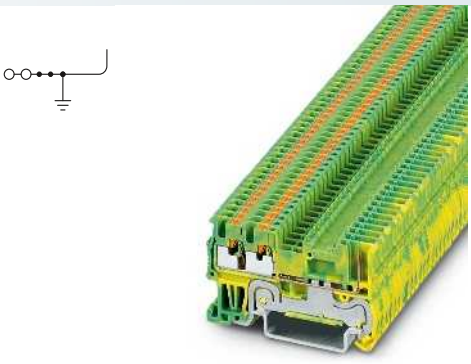
Accessories

Cover, width 2.2 mm		gray	**D-PT 1,5/S-TWIN**		**3208184**	50
Cover, 0.8 mm width		orange				
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white				
0.25 - 0.5 mm²		gray				
0.75 - 1 mm²		black				
Plug-in bridge						
	2	red	**FBS 2-3,5**	17.5 A	**3213014**	50
	3	red	**FBS 3-3,5**	17.5 A	**3213027**	50
	4	red	**FBS 4-3,5**	17.5 A	**3213030**	50
	5	red	**FBS 5-3,5**	17.5 A	**3213043**	50
	10	red	**FBS 10-3,5**	17.5 A	**3213056**	50
	20	red	**FBS 20-3,5**	17.5 A	**3213069**	50
Partition plate, 2 mm width		gray	**ATP-ST-TWIN**		**3030789**	50
Screw flange		gray				
Test adapter, 4-mm test socket hole		gray				
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red				
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**		**3040588**	50
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10
Center groove labeling			**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**			
Center and lateral groove labeling			**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**			

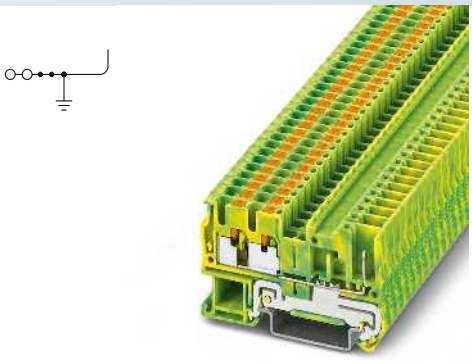




2.5 (4) mm², 24 A, feed-through terminal block, 3 connections



1.5 (1.5) mm², ground terminal block, 3 connections



2.5 (4) mm², ground terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24[1])	**500**	**0.14 - 4**	**26 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	-	-
24[2]) / 2.5	20 / -	-	-
2.5	-	-	-
26 - 12	26-12	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-TWIN/1P		**3209633**	50
PT 2,5-TWIN/1P BU		**3209646**	50

Accessories

D-ST 2,5-TWIN		**3030488**	50
D-ST 2,5-TWIN-0,8 OG		**3030512**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST-TWIN		**3030789**	50
ST 2,5-TWIN/1P-F		**3209840**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
3.5	**55**	**32**	
		max. Ø [mm²]	AWG
		0.14 - 1.5	**26 - 14**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
1.5	-	-	-
26 - 14	26-14	26-14	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PT 1,5/S-TWIN/1P-PE	**3212374**	50

Accessories

D-PT 1,5/S-TWIN	**3208184**	50
FBS 2-3,5	**3213014**	50
FBS 3-3,5	**3213027**	50
FBS 4-3,5	**3213030**	50
FBS 5-3,5	**3213043**	50
FBS 10-3,5	**3213056**	50
FBS 20-5	**3030226**	10
ATP-ST-TWIN	**3030789**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PC	**3040588**	50
SZF 0-0,4X2,5	**1204504**	10

UCT-TM 3,5 or ZB 3,5 (see Catalog 5)
UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

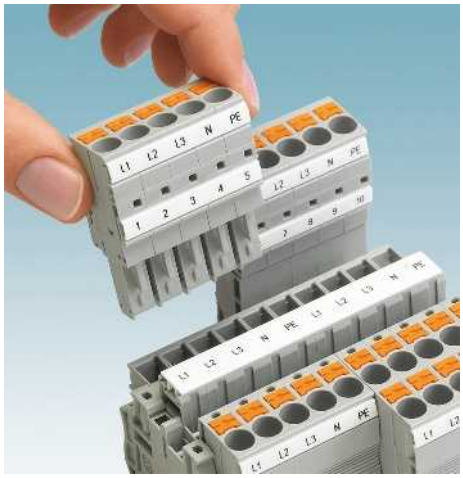
Type	Order No.	Pcs. / Pkt.
PT 2,5-TWIN/1P-PE	**3209659**	50

Accessories

D-ST 2,5-TWIN	**3030488**	50
D-ST 2,5-TWIN-0,8 OG	**3030512**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-ST-TWIN	**3030789**	50
ST 2,5-TWIN/1P-F	**3209840**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
PC	**3040588**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

PT-COMBI four-conductor feed-through terminal blocks with push-in connection



- Space-saving and practical multi-conductor connection without additional bridges
- Potential managed on two levels
- Amount of space required is reduced by 50% compared to single-level terminal blocks
- Separate potentials can be used as there are bridge shafts on each level
- Cross connection to any number of terminal blocks with the FBS ... continuous plug-in bridge system
- Replacement, e.g., for supply with heavy-duty plug-in connectors in the control cabinet



Notes:

For more plug-in bridges, see page 472.

The SP..., UP..., QP..., PP... plugs suitable for push-in COMBI terminal blocks are documented, see page 408.

For cable housing, see page 432.

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) For derating curve, visit www.phoenixcontact.net/products

[3]) The total current of all connected conductors must not exceed the maximum load current. For the derating curve, visit www.phoenixcontact.net/products.





1.5 (1.5) mm², 13.5 A, feed-through terminal block, 4 connections

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		3.5	**78.5**	**32**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		17.5[3])	**500**	**0.14 - 1.5 / 26 - 14**
Rated data		IEC 61984 / IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	17.5[3]) / 1.5	15 / -	15 / -
Rated cross section	[mm²]	1.5	-	- / -
Cross section range	AWG	26 - 14	26-14	26-14 / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 / 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

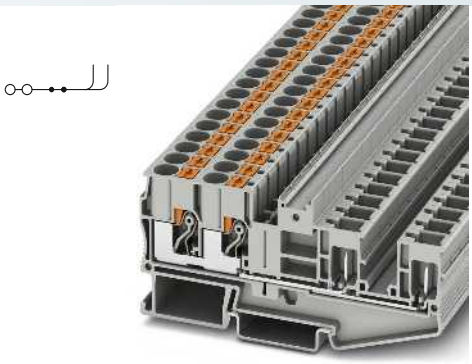
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PT 1,5/S-QUATTRO/2P**		**3212390**	50
		blue	**PT 1,5/S-QUATTRO/2P BU**		**3212400**	50

Accessories

Cover, width 2.2 mm		gray	**D-PT 1,5/S-QUATTRO/2P**		**3212426**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray				
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white				
0.25 - 0.5 mm²		gray				
0.75 - 1 mm²		black				
Plug-in bridge						
	2	red	**FBS 2-3,5**	17.5 A	**3213014**	50
	3	red	**FBS 3-3,5**	17.5 A	**3213027**	50
	5	red	**FBS 5-3,5**	17.5 A	**3213043**	50
	10	red	**FBS 10-3,5**	17.5 A	**3213056**	50
Partition plate, 2 mm width		gray	**ATP-ST QUATTRO**		**3030815**	50
Screw flange, for ST COMBI terminal blocks, for safe fixing of COMBI plugs with spring-cage connection for ST 2,5-QUATTRO/2P, ST 2,5-QUATTRO/2P-PE, ST 2,5-TWIN-MT/1P, ST 2,5-TWIN-TG/1P		gray				
Test adapter, 4-mm test socket hole		gray				
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red				
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**		**3040588**	50
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10
Center groove labeling			**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**			
Center and lateral groove labeling			**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**			



2.5 (4) mm², 24 A, feed-through terminal block, 4 connections



6 (10) mm², 41 A, feed-through terminal block, 4 connections

Technical data

Width	Length	Height NS 35/7,5	
5.2	**81**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24[3])	**500**	**0.14 - 4**	**26 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
24[3]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-QUATTRO/2P		**3209662**	50
PT 2,5-QUATTRO/2P BU		**3209675**	50

Accessories

D-ST 2,5-QUATTRO/ 2P		**3040083**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
ATP-ST QUATTRO		**3030815**	50
ST 2,5-QUATTRO/2P-F		**3209853**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**99.8**	**43.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41[1])	**1000**	**0.5 - 10**	**20 - 8**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
41[2]) / 6	40 / -	-	-
6	-	-	-
20 - 8	20-8	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
			0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 6-QUATTRO/2P		**3061826**	50
PT 6-QUATTRO/2P BU		**3061839**	50

Accessories

D-PT 6-QUATTRO/2P		**3061855**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
ATP-QTTCB		**3206238**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
PC		**3040588**	50
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

PT-COMBI ground terminal blocks with push-in connection

– Have the same shape as the corresponding basic terminal blocks
– Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
– All the requirements of standard IEC 60947-7-2 are met

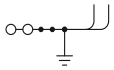
Terminal strip service

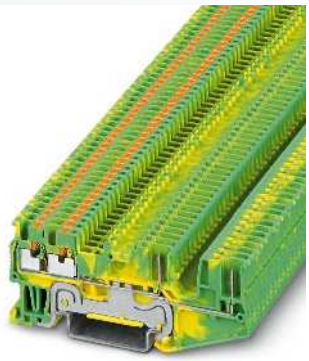
We produce fully pre-assembled terminal strips for fitting straight into the control cabinet or switch system. This simplifies installation, saves time, and cuts costs.

Notes:

For current carrying capacity of DIN rails, see page 716.

The SP..., UP..., QP..., PP... plugs suitable for push-in COMBI terminal blocks are documented, see page 408.





1.5 (1.5) mm², ground terminal block, 4 connections

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**3.5**	**78.5**	**32**
Max. electrical data				max. Ø [mm²] / AWG
				0.14 - 1.5 / **26 - 14**
Rated data		IEC 61984 IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	1.5	-	- / -
Cross section range	AWG	26 - 14	26-14	26-14 / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 / 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

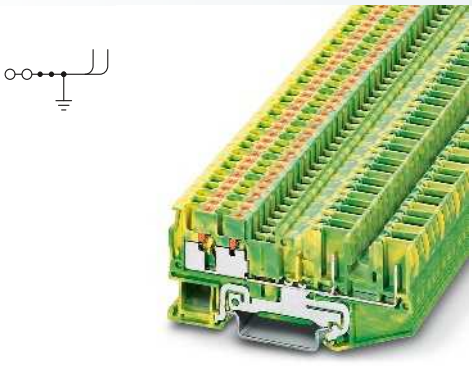
Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**PT 1,5/S-QUATTRO/2P-PE**	**3212413**	50

Accessories

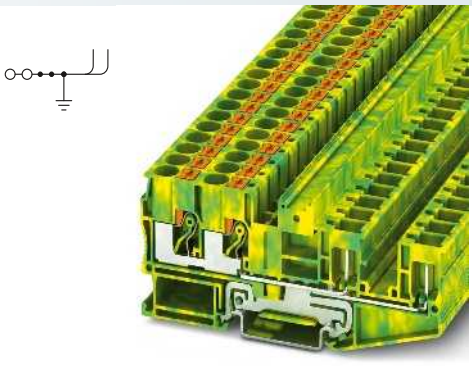
Cover, width 2.2 mm		gray	**D-PT 1,5/S-QUATTRO/2P**	**3212426**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray			
Insulation stop sleeve, cross section range:					
0.08 - 0.2 mm²		white			
0.25 - 0.5 mm²		gray			
0.75 - 1 mm²		black			
Plug-in bridge					
	2	red	**FBS 2-3,5**	**3213014**	50
	3	red	**FBS 3-3,5**	**3213027**	50
	5	red	**FBS 5-3,5**	**3213043**	50
	10	red	**FBS 10-3,5**	**3213056**	50
Partition plate, 2 mm width		gray	**ATP-ST QUATTRO**	**3030815**	50
Screw flange, for ST COMBI terminal blocks, for safe fixing of COMBI plugs with spring-cage connection for ST 2,5-QUATTRO/2P, ST 2,5-QUATTRO/2P-PE, ST 2,5-TWIN-MT/1P, ST 2,5-TWIN-TG/1P		gray			
Test adapter, 4-mm test socket hole		gray			
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red			
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**	**3040588**	50
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10

Center groove labeling	**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**
Center and lateral groove labeling	**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**





2.5 (4) mm², ground terminal block, 4 connections



6 (10) mm², ground terminal block, 4 connections

Technical data

Width	Length	Height NS 35/7,5	
5.2	**81**	**36.5**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PT 2,5-QUATTRO/2P-PE	**3209688**	50

Accessories

D-ST 2,5-QUATTRO/ 2P	**3040083**	50
DS-ST 2,5	**3036602**	10
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
ATP-ST QUATTRO	**3030815**	50
ST 2,5-QUATTRO/2P-F	**3209853**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
PC	**3040588**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**99.8**	**43.5**	
		max. Ø [mm²]	AWG
		0.5 - 10	**20 - 8**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	-
20 - 8	20-8	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
			0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PT 6-QUATTRO/2P-PE	**3061842**	50

Accessories

D-PT 6-QUATTRO/2P	**3061855**	50
FBS 2-6	**3030336**	50
FBS 3-8	**3030297**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
ATP-QTTCB	**3206238**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-8	**3031005**	10
PC	**3040588**	50
SZF 2-0,8X4,0	**1204520**	10

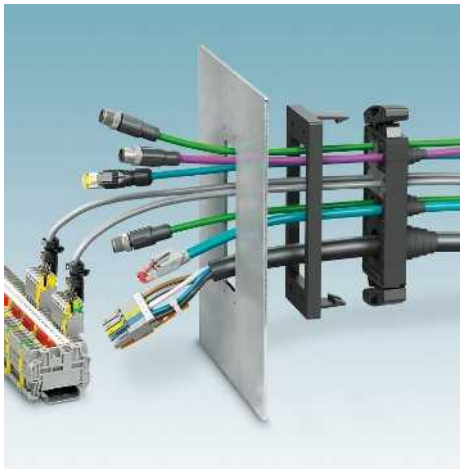
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

PT-COMBI double-level terminal blocks with push-in connection

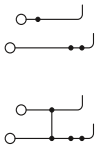
– Potential managed on two levels
– Amount of space required is reduced by 50% compared to single-level terminal blocks
– Separate potentials can be used as there are bridge shafts on each level
– Cross connection to any number of terminal blocks with the FBS ... continuous plug-in bridge system
– Replacement, e.g., for supply with heavy-duty plug-in connectors in the control cabinet

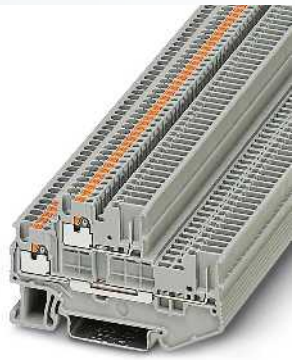
Cable entry system

– The CES cable entry system (see Catalog 4) enables the easy and space-saving installation of pre-assembled cables with IP54/IP65 protection in the control cabinet, see figure below



Notes:
For current carrying capacity of DIN rails, see page 716.
1) For derating curve, visit www.phoenixcontact.net/products
2) The total current of all connected conductors must not exceed the maximum load current. For the derating curve, visit www.phoenixcontact.net/products.





1.5 (1.5) mm², 16 A, double-level terminal block

Technical data

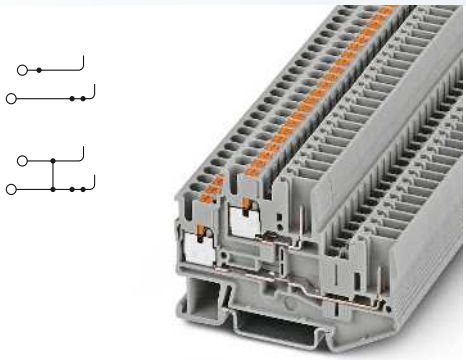
Dimensions					
		[mm]	Width	Length	Height NS 35/7,5
			3.5	**69.3**	**42.6**
Max. electrical data			$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
			16[1])	**500**	**0.14 - 1.5 / 26 - 16**
Rated data			IEC 61984 / IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage		[V]	500	600	600 / -
Nominal current / cross section		[A] / [mm²]	16[1]) / 1.5	15 / -	15 / -
Rated cross section		[mm²]	1.5	-	- / -
Cross section range		AWG	26 - 16	26-14	26-14 / -
Connection capacity			solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor		[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1
Two stranded conductors with a TWIN ferrule		[mm²]			
Direct plug-in connection cross sections		[mm²]	0.25 - 1.5	-	0.34 - 1.5 / 0.34 - 1
General data					
Stripping length		[mm]	8		
Insulating material			PA		
Inflammability class according to UL 94			V0		

Ordering data

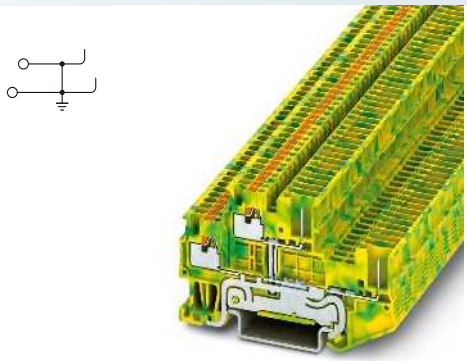
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PTTB 1,5/S/2P**		**3212439**	50
		blue	**PTTB 1,5/S/2P BU**		**3212442**	50
Terminal block, with equipotential bonder, for mounting on NS 35...[2])		gray	**PTTB 1,5/S/2P-PV**		**3212468**	50
Ground terminal block, for mounting on NS 35...		green/yellow				

Accessories

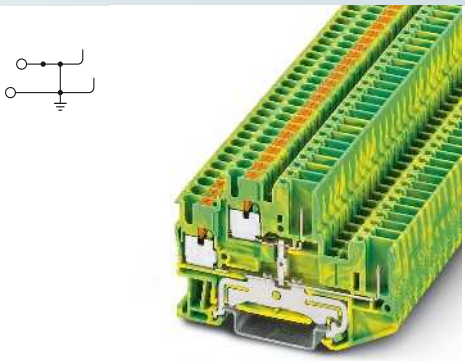
Cover, width 2.2 mm		gray	**D-PTTB 1,5/S/2P**		**3212471**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white				
0.25 - 0.5 mm²		gray				
0.75 - 1 mm²		black				
Plug-in bridge						
	2	red	**FBS 2-3,5**	17.5 A	**3213014**	50
	3	red	**FBS 3-3,5**	17.5 A	**3213027**	50
	4	red	**FBS 4-3,5**	17.5 A	**3213030**	50
	5	red	**FBS 5-3,5**	17.5 A	**3213043**	50
	10	red	**FBS 10-3,5**	17.5 A	**3213056**	50
	20	red	**FBS 20-3,5**	17.5 A	**3213069**	50
Vertical potential bridge, to connect the upper and lower level		black	**FBS 1,5/S-PV**		**3216263**	10
Partition plate, 2 mm width		gray	**ATP-STTB 4**		**3030747**	50
Screw flange		gray				
Test adapter, 4-mm test socket hole		gray				
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red				
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**		**3040588**	50
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10
Center groove labeling			**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**			
Center and lateral groove labeling			**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**			



2.5 (4) mm², 22 A, double-level terminal block



1.5 (1.5) mm², double-level ground terminal block



2.5 (4) mm², double-level ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	**71.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
22[1])	**500**	**0.14 - 4**	**26 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	300	-
22[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	24-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTTB 2,5/2P		**3210871**	50
PTTB 2,5/2P BU		**3210884**	50
PTTB 2,5/2P-PV		**3210907**	50

Accessories

D-STTB 2,5/ 2P		**3040096**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
FBS-PV		**3032185**	50
ATP-STTB 4		**3030747**	50
STTB 2,5/2P-F		**3061169**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UC-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
3.5	**69.3**	**42.6**	
		max. Ø [mm²]	AWG
		0.14 - 1.5	**26 - 16**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
1.5	-	-	-
26 - 16	26-14	26-14	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTTB 1,5/S/2P-PE	**3212455**	50

Accessories

D-PTTB 1,5/S/2P		**3212471**	50
FBS 2-3,5		**3213014**	50
FBS 3-3,5		**3213027**	50
FBS 4-3,5		**3213030**	50
FBS 5-3,5		**3213043**	50
FBS 10-3,5		**3213056**	50
FBS 20-3,5		**3213069**	50
ATP-STTB 4		**3030747**	50
PC		**3040588**	50
SZF 0-0,4X2,5		**1204504**	10

UCT-TM 3,5 or ZB 3,5 (see Catalog 5)
UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**71.5**	**47.5**	
		max. Ø [mm²]	AWG
		0.14 - 4	**26 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

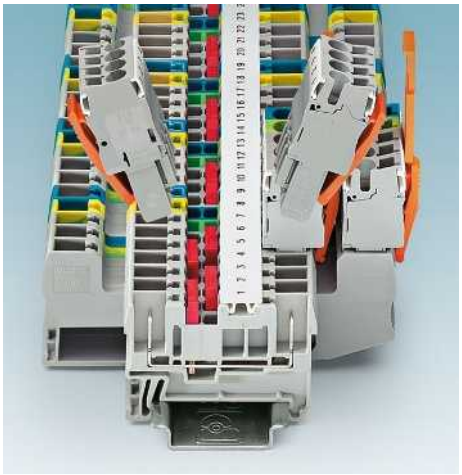
Type	Order No.	Pcs. / Pkt.
PTTB 2,5/2P-PE	**3210897**	50

Accessories

D-STTB 2,5/ 2P		**3040096**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5		**3030161**	50
FBS 3-5		**3030174**	50
FBS 4-5		**3030187**	50
FBS 5-5		**3030190**	50
FBS 10-5		**3030213**	10
FBS 20-5		**3030226**	10
ATP-STTB 4		**3030747**	50
STTB 2,5/2P-F		**3061169**	50
PAI-4-N GY		**3032871**	10
PS-5		**3030983**	10
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10

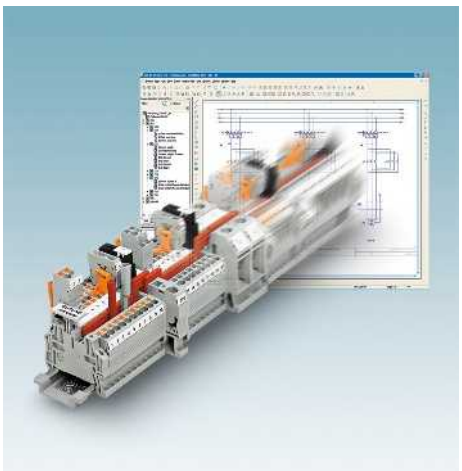
UC-TMF 5, UC-TMF 5 or ZBF 5 (see Catalog 5)

COMBI plug-in PIN/PIN feed-through terminal blocks



- For the PIN/PIN versions of the COMBI series, plugs can be used on both sides of the terminal blocks
- This makes the COMBI system even more flexible as the terminal blocks are used as the connection element for modules
- Connection with standard COMBI plugs
- The extensive range of accessories, such as latching, strain relief, coding, and shield connection can be used
- Ground terminal blocks of the same shape and pitch
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947-7-2 are met

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



Notes:

For other accessories, see page 428.

1) The total current of all connected conductors must not exceed the max. load current.

2) For derating curve, visit www.phoenixcontact.net/products



1.5 (1.5) mm², 17.5 A, feed-through terminal block, 2 connections

Technical data

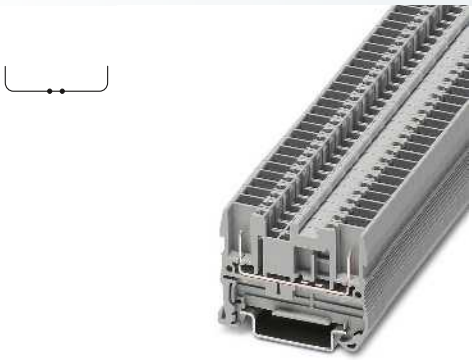
Dimensions			
Width	Length	Height NS 35/7,5	
3.5	**45.8**	**32**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
17.5²)	**500**	**0.14 - 1.5**	**26 - 14**
Rated data	IEC 61984		
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	300	-	-
Nominal current / cross section [A] / [mm²]	17.5²) / 1.5	15 / -	-	-
Rated cross section [mm²]	1.5	-	-	-
Cross section range AWG	26 - 14	-	-	-
Connection capacity of the usable plugs	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
Two stranded conductors with a TWIN ferrule [mm²]				
General data				
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PT 1,5/S/2P**		**3213784**	50
		blue	**PT 1,5/S/2P BU**		**3213797**	50

Accessories

Cover, width 2.2 mm		gray	**D-PT 1,5/S**		**3208142**	50
Cover, 0.8 mm width		orange				
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray				
Plug-in bridge						
	2	red	**FBS 2-3,5**	17.5 A	**3213014**	50
	3	red	**FBS 3-3,5**	17.5 A	**3213027**	50
	4	red	**FBS 4-3,5**	17.5 A	**3213030**	50
	5	red	**FBS 5-3,5**	17.5 A	**3213043**	50
	10	red	**FBS 10-3,5**	17.5 A	**3213056**	50
	20	red	**FBS 20-3,5**	17.5 A	**3213069**	50
Partition plate, 2 mm width		gray	**ATP-ST 4**		**3030721**	50
Screw flange		gray				
Test adapter, 4-mm test socket hole		gray				
Test plug metal part, 2.3 mm Ø						
Insulating sleeve, for MPS metal part		red				
Modular test plug, for the individual assembly of test plug strips		red				
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**		**3040588**	50
Center groove labeling			**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**			



2.5 (4) mm², 24 A, feed-through terminal block, 2 connections

Technical data

Width	Length	Height NS 35/7,5	
5.2	**49.1**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24[2])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	300	-
24[2]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	-	24-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5/2P		**3042133**	50
ST 2,5/2P BU		**3042094**	50

Accessories

D-ST 2,5		**3030417**	50
D-ST 2,5-0,8 OG		**3030511**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST 4		**3030721**	50
ST 2,5/2P-F		**3061198**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
PC		**3040588**	50

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)



4 (6) mm², 32 A, feed-through terminal block, 2 connections

Technical data

Width	Length	Height NS 35/7,5	
6.2	**55.9**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32[2])	**800**	**0.08 - 6**	**28 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	-	-	-
32[2]) / 4	- / -	-	-
4	-	-	-
28 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4/ 2P		**3042735**	50
ST 4/ 2P BU		**3043789**	50

Accessories

D-ST 4		**3030420**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST 4		**3030721**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
PC		**3040588**	50

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)



2.5 (4) mm², 24 A, feed-through terminal block, 4 connections

Technical data

Width	Length	Height NS 35/7,5	
5.2	**89.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	300	-
24[2]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	-	24-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO/4P		**3042159**	50
ST 2,5-QUATTRO/4P BU		**3042081**	50

Accessories

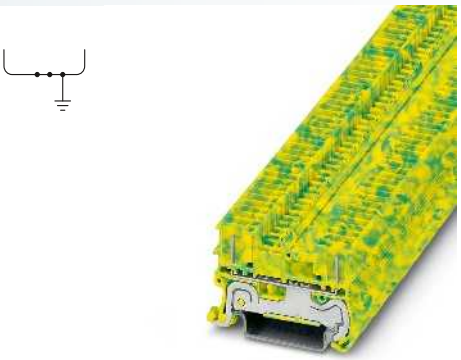
D-ST 2,5-QUATTRO/4P		**3042175**	50
DS-ST 2,5/2P		**3042337**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST QUATTRO		**3030815**	50
ST 2,5-QUATTRO/4P-F		**3061208**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
PC		**3040588**	50

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

COMBI PIN/PIN ground terminal blocks

– Same shape and pitch as the PIN/PIN versions of the COMBI series
– Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
– All the requirements of standard IEC 60947−7−2 are met

Notes:
For current carrying capacity of DIN rails, see page 716.
For other accessories, see page 428.



1.5 (1.5) mm², ground terminal block, 2 connections

Technical data

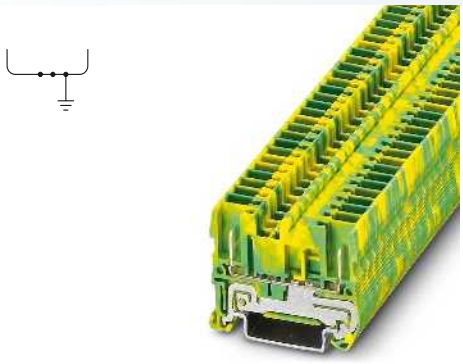
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		3.5	**45.8**	**32**
Max. electrical data				
			max. Ø [mm²]	AWG
			0.14 - 1.5	**26 - 14**
Rated data		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	- / -	-	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	26 - 14	-	-	-
Connection capacity of the usable plugs		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]				
General data					
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

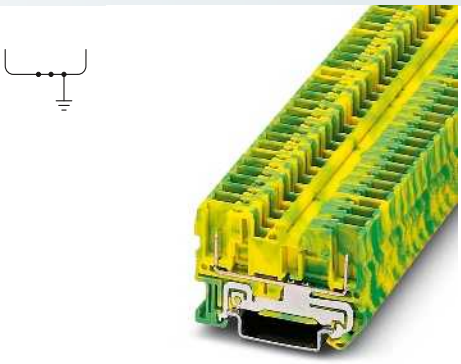
Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**PT 1,5/S/2P-PE**	**3213810**	50

Accessories

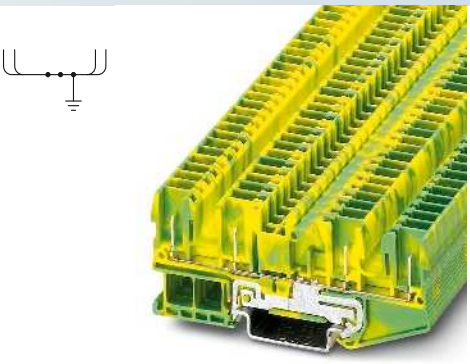
Cover, width 2.2 mm		gray	**D-PT 1,5/S**	**3208142**	50
Plug-in bridge					
	2	red	**FBS 2-3,5**	**3213014**	50
	3	red	**FBS 3-3,5**	**3213027**	50
	4	red	**FBS 4-3,5**	**3213030**	50
	5	red	**FBS 5-3,5**	**3213043**	50
	10	red	**FBS 10-3,5**	**3213056**	50
	20	red	**FBS 20-3,5**	**3213069**	50
Partition plate, 2 mm width		gray	**ATP-ST 4**	**3030721**	50
Screw flange		gray			
Test adapter, 4-mm test socket hole		gray			
Test plug metal part, 2.3 mm Ø					
Insulating sleeve, for MPS metal part		red			
Modular test plug, for the individual assembly of test plug strips		red			
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**	**3040588**	50
Center groove labeling			**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**		



2.5 (4) mm², ground terminal block, 2 connections



4 (6) mm², ground terminal block, 2 connections



2.5 (4) mm², ground terminal block, 4 connections

Technical data

Width	Length	Height NS 35/7,5	
5.2	**49.1**	**36.5**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
28 - 12	-	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
ST 2,5/2P-PE	**3042146**	50

Accessories

D-ST 2,5	**3030417**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-ST 4	**3030721**	50
ST 2,5/2P-F	**3061198**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
PC	**3040588**	50

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**55.9**	**36.5**	
		max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	-
28 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
ST 4/ 2P-PE	**3042748**	50

Accessories

D-ST 4	**3030420**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-ST 4	**3030721**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
PC	**3040588**	50

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**89.5**	**36.5**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
28 - 12	-	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
PA			
V0			

Ordering data

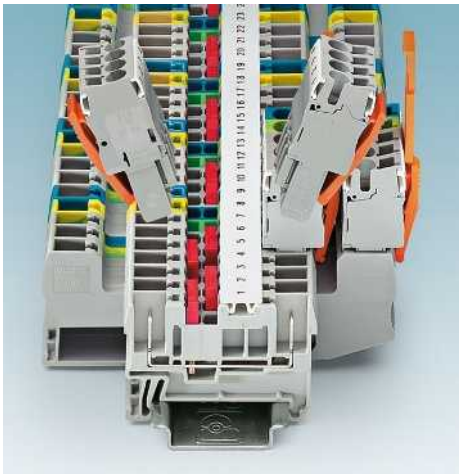
Type	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO/4P-PE	**3042162**	50

Accessories

D-ST 2,5-QUATTRO/4P	**3042175**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-ST QUATTRO	**3030815**	50
ST 2,5-QUATTRO/4P-F	**3061208**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
PC	**3040588**	50

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

COMBI plug-in PIN/PIN double-level and ground terminal blocks



- For the PIN/PIN versions of the COMBI series, plugs can be used on both sides of the terminal blocks
- This makes the COMBI system even more flexible as the terminal blocks are used as the connection element for modules
- Connection with standard COMBI plugs
- The extensive range of accessories, such as latching, strain relief, coding, and shield connection can be used
- Ground terminal blocks of the same shape and pitch
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947-7-2 are met

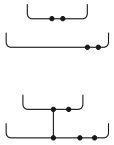
CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

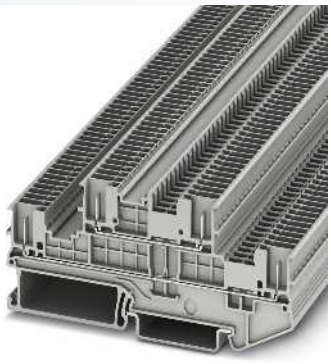
Notes:

For current carrying capacity of DIN rails, see page 716.

1) The total current of all connected conductors must not exceed the max. load current.

2) For derating curve, visit www.phoenixcontact.net/products





1.5 (1.5) mm², 16 A, double-level terminal block

Technical data

Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]			
	3.5	**93.9**	**42.6**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	16²)	**500**	**0.14 - 1.5**	**26 - 14**
Rated data	IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	300	-	-
Nominal current / cross section [A] / [mm²]	16²) / 1.5	15 / -	-	-
Rated cross section [mm²]	1.5	-	-	-
Cross section range AWG	26 - 14	-	-	-
Connection capacity of the usable plugs	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
Direct plug-in connection cross sections [mm²]	0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
General data				
Stripping length [mm]	8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

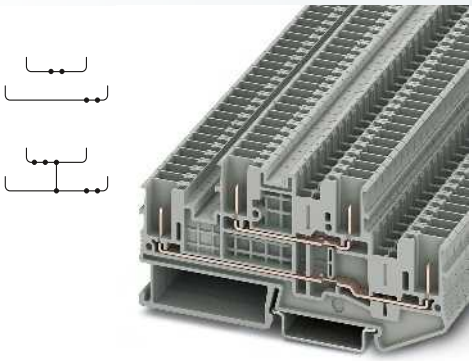
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PTTB 1,5/S/4P**		**3213865**	50
		blue	**PTTB 1,5/S/4P BU**		**3213878**	50
Terminal block, with equipotential bonder, for mounting on NS 35...1)		gray	**PTTB 1,5/S/4P-PV**		**3213852**	50
Ground terminal block, for mounting on NS 35...		green-yellow				

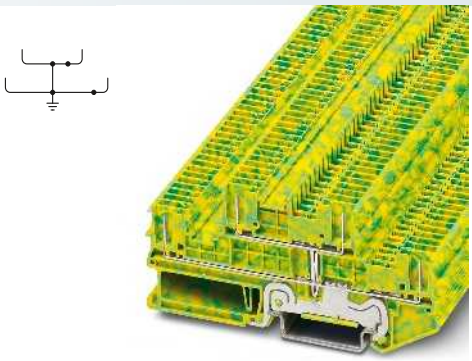
Accessories

Cover, width 2.2 mm		gray	**D-PTTB 1,5/S/4P**		**3213894**	50
Plug-in bridge						
	2	red	**FBS 2-3,5**	17.5 A	**3213014**	50
	3	red	**FBS 3-3,5**	17.5 A	**3213027**	50
	4	red	**FBS 4-3,5**	17.5 A	**3213030**	50
	5	red	**FBS 5-3,5**	17.5 A	**3213043**	50
	10	red	**FBS 10-3,5**	17.5 A	**3213056**	50
	20	red	**FBS 20-3,5**	17.5 A	**3213069**	50
Vertical potential bridge, to connect the upper and lower level		black	**FBS 1,5/S-PV**		**3216263**	10
Partition plate, 2 mm width		gray	**ATP-STTB 4**		**3030747**	50
Test adapter, 4-mm test socket hole		gray				
Test plug metal part, 2.3 mm Ø						
Insulating sleeve, for MPS metal part		red				
Modular test plug, for the individual assembly of test plug strips		red				
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**		**3040588**	50

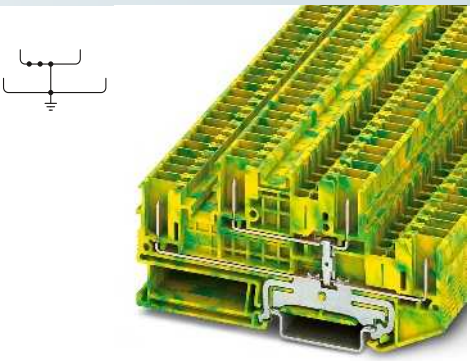
Center groove labeling	**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**
Center and lateral groove labeling	**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**



2.5 (4) mm², 22 A, double-level terminal block



1.5 (1.5) mm², double-level ground terminal block



2.5 (4) mm², double-level ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	**98.8**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
22²)	**500**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
22²) / 2.5	20 / -	20	-
2.5	-	-	-
28 - 12	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
-	-	-	-
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5/4P		**3061486**	50
STTB 2,5/4P BU		**3061512**	50
STTB 2,5/4P-PV		**3061509**	50

Accessories

D-STTB 2,5/4P		**3061538**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
FBS-PV		**3032185**	50
ATP-STTB 4		**3030747**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
PC		**3040588**	50

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
3.5	**93.9**	**42.6**	
		max. Ø [mm²]	AWG
		0.14 - 1.5	**26 - 14**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
1.5	-	-	-
26 - 14	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTTB 1,5/S/4P-PE	**3213881**	50

Accessories

D-PTTB 1,5/S/4P	**3213894**	50
FBS 2-3,5	**3213014**	50
FBS 3-3,5	**3213027**	50
FBS 4-3,5	**3213030**	50
FBS 5-3,5	**3213043**	50
FBS 10-3,5	**3213056**	50
FBS 20-3,5	**3213069**	50
ATP-STTB 4	**3030747**	50
PC	**3040588**	50

UCT-TM 3,5 or ZB 3,5 (see Catalog 5)
UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**98.8**	**47.5**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
28 - 12	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
-	-	-	-
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
STTB 2,5/4P-PE	**3061499**	50

Accessories

D-STTB 2,5/4P		**3061538**	50
FBS 2-5		**3030161**	50
FBS 3-5		**3030174**	50
FBS 4-5		**3030187**	50
FBS 5-5		**3030190**	50
FBS 10-5		**3030213**	10
FBS 20-5		**3030226**	10
ATP-STTB 4		**3030747**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
PC		**3040588**	50

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

COMBI plug-in push-in desk-design feed-through and double-level terminal blocks



The COMBI plug-in push-in terminal blocks are characterized by the standard push-in technology system features and those of the CLIPLINE complete system, as well as the following features:
– Compact design also with 3.5 mm pitch
– Uniform, touch-proof plug-in zone
– For nominal currents up to 17.5 A
– For nominal voltages up to 500 V

PTS 1,5/S...
– Angled conductor entry for use in flat terminal boxes
– Two and three-conductor terminal blocks of the same shape
– Four function shafts enable all potential distribution tasks to be carried out in a convenient manner

PTTBS 1,5/S
– Two bridge shafts on both levels for all potential distribution tasks
– Two large-surface labeling options
– Potential bridging of levels using the **FBS 1,5/S-PV** vertical potential bridge

Terminal strip service
We produce fully pre-assembled terminal strips for fitting straight into the control cabinet or switch system. This simplifies installation, saves time, and cuts costs.

Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) For derating curve, visit www.phoenixcontact.net/products





1.5 (1.5) mm², 17.5 A, feed-through terminal block, 2 connections

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		3.5	**50.7**	**38.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		17.5	**500**	**0.14 - 1.5** / **26 - 14**
Rated data		IEC 61984 / IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	600	- / -
Nominal current / cross section	[A] / [mm²]	17.5[2]) / 1.5	15 / -	- / -
Rated cross section	[mm²]	1.5	-	- / -
Cross section range	AWG	26 - 14	26-14	- / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 / 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

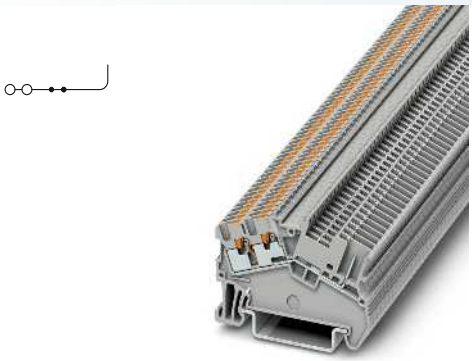
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**PTS 1,5/S/1P**		**3214453**	50
		blue	**PTS 1,5/S/1P BU**		**3214466**	50
Terminal block, with equipotential bonder, for mounting on NS 35...		gray				

Accessories

Cover, width 2.2 mm		gray	**D-PTS 1,5/S**		**3214576**	50
Plug-in bridge						
	2	red	**FBS 2-3,5**	17.5 A	**3213014**	50
	3	red	**FBS 3-3,5**	17.5 A	**3213027**	50
	4	red	**FBS 4-3,5**	17.5 A	**3213030**	50
	5	red	**FBS 5-3,5**	17.5 A	**3213043**	50
	10	red	**FBS 10-3,5**	17.5 A	**3213056**	50
	20	red	**FBS 20-3,5**	17.5 A	**3213069**	50
Vertical potential bridge, to connect the upper and lower level		black				
Partition plate, 2 mm width		gray	**ATP-ST 4**		**3030721**	50
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**		**3040588**	50
Screwdriver			**SZF 0-0,4X2,5**		**1204504**	10

Center groove labeling	**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**
Center and lateral groove labeling	**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**



1.5 (1.5) mm², 17.5 A, feed-through terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
3.5	**50.7**	**38.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
17.5[1])	**500**	**0.14 - 1.5**	**26 - 14**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	-	-
17.5[2]) / 1.5	15 / -	-	-
1.5	-	-	-
26 - 14	26-14	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
8			
PA			
V0			

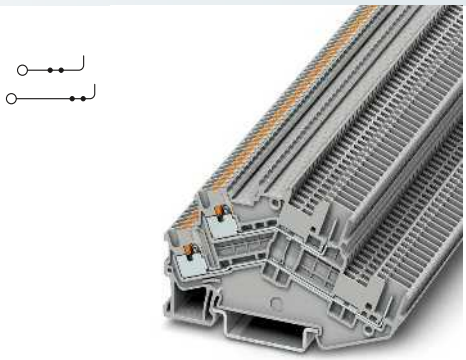
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTS 1,5/S-TWIN/1P		**3214709**	50
PTS 1,5/S-TWIN/1P BU		**3214712**	50

Accessories

D-PTS 1,5/S		**3214576**	50
FBS 2-3,5	17.5 A	**3213014**	50
FBS 3-3,5	17.5 A	**3213027**	50
FBS 4-3,5	17.5 A	**3213030**	50
FBS 5-3,5	17.5 A	**3213043**	50
FBS 10-3,5	17.5 A	**3213056**	50
FBS 20-3,5	17.5 A	**3213069**	50
ATP-ST 4		**3030721**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PC		**3040588**	50
SZF 0-0,4X2,5		**1204504**	10

UCT-TM 3,5 or ZB 3,5 (see Catalog 5)
UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)



1.5 (1.5) mm², 16 A, double-level terminal block

Technical data

Width	Length	Height NS 35/7,5	
3.5	**78**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
16	**500**	**0.14 - 1.5**	**26 - 14**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	-	-
16[2]) / 1.5	15 / -	-	-
1.5	-	-	-
26 - 14	26-14	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
8			
PA			
V0			

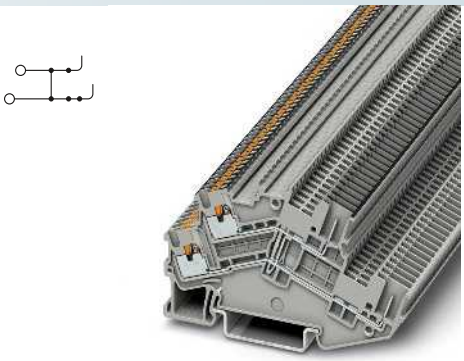
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTTBS 1,5/S/2P		**3214495**	50
PTTBS 1,5/S/2P BU		**3214505**	50

Accessories

D-PTTBS 1,5/S/2P		**3214534**	50
FBS 2-3,5	17.5 A	**3213014**	50
FBS 3-3,5	17.5 A	**3213027**	50
FBS 4-3,5	17.5 A	**3213030**	50
FBS 5-3,5	17.5 A	**3213043**	50
FBS 10-3,5	17.5 A	**3213056**	50
FBS 20-3,5	17.5 A	**3213069**	50
FBS 1,5/S-PV		**3216263**	10
ATP-STTB 4		**3030747**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PC		**3040588**	50
SZF 0-0,4X2,5		**1204504**	10

UCT-TM 3,5 or ZB 3,5 (see Catalog 5)
UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)



1.5 (1,5) mm², 16 A, double-level terminal block, internally connected levels

Technical data

Width	Length	Height NS 35/7,5	
3.5	**78**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
16[1])	**500**	**0.14 - 1.5**	**26 - 14**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	-	-
16[2]) / 1.5	15 / -	-	-
1.5	-	-	-
26 - 14	26-14	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
8			
PA			
V0			

Ordering data

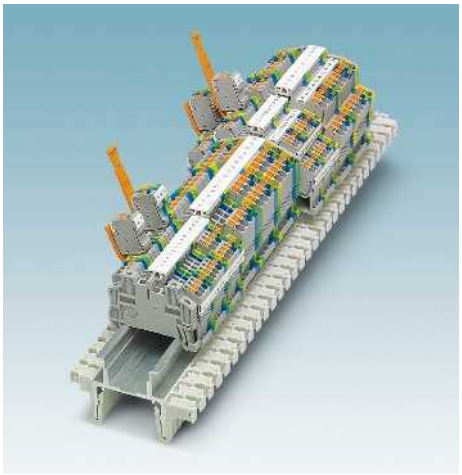
Type	I_{max}	Order No.	Pcs. / Pkt.
PTTBS 1,5/S/2P-PV		**3214521**	50

Accessories

D-PTTBS 1,5/S/2P		**3214534**	50
FBS 2-3,5	17.5 A	**3213014**	50
FBS 3-3,5	17.5 A	**3213027**	50
FBS 4-3,5	17.5 A	**3213030**	50
FBS 5-3,5	17.5 A	**3213043**	50
FBS 10-3,5	17.5 A	**3213056**	50
FBS 20-3,5	17.5 A	**3213069**	50
ATP-STTB 4		**3030747**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PC		**3040588**	50
SZF 0-0,4X2,5		**1204504**	10

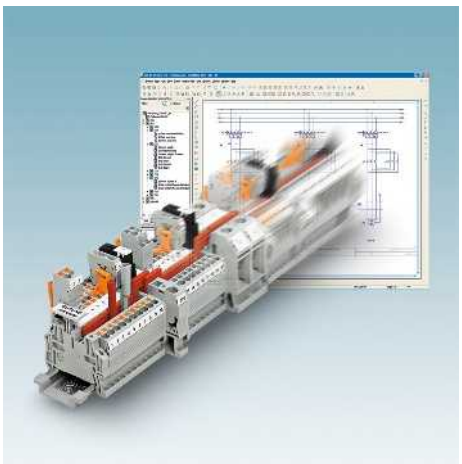
UCT-TM 3,5 or ZB 3,5 (see Catalog 5)
UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)

PTS ...-PE, PTTBS ...-PE COMBI plug-in push-in desk-design ground terminal blocks



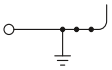
- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947-7-2 are met

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



Notes:

For current carrying capacity of DIN rails, see page 716.





1.5 (1.5) mm², ground terminal block, 2 connections

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**3.5**	**50.7**	**38.5**
Max. electrical data				max. Ø [mm²] / AWG
				0.14 - 1.5 / **26 - 14**
Rated data		IEC 61984 IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	1.5	-	- / -
Cross section range	AWG	26 - 14	26-14	- / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 / 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

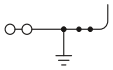
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**PTS 1,5/S/1P-PE**	**3214479**	50

Accessories

Cover, width 2.2 mm		gray	**D-PTS 1,5/S**	**3214576**	50
Plug-in bridge					
	2	red	**FBS 2-3,5**	**3213014**	50
	3	red	**FBS 3-3,5**	**3213027**	50
	4	red	**FBS 4-3,5**	**3213030**	50
	5	red	**FBS 5-3,5**	**3213043**	50
	10	red	**FBS 10-3,5**	**3213056**	50
	20	red	**FBS 20-3,5**	**3213069**	50
Partition plate, 2 mm width		gray	**ATP-ST 4**	**3030721**	50
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**	**3040588**	50
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10

Center groove labeling	**UCT-TM 3,5 or ZB 3,5 (see Catalog 5)**
Center and lateral groove labeling	**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**





1.5 (1.5) mm², ground terminal block, 3 connections





1.5 (1.5) mm², double-level ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
3.5	**50.7**	**38.5**	
		max. Ø [mm²]	AWG
		0.14 - 1.5	**26 - 14**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
1.5	-	-	-
26 - 14	26-14	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTS 1,5/S-TWIN/1P-PE	**3214725**	50

Accessories

D-PTS 1,5/S	**3214576**	50
FBS 2-3,5	**3213014**	50
FBS 3-3,5	**3213027**	50
FBS 4-3,5	**3213030**	50
FBS 5-3,5	**3213043**	50
FBS 10-3,5	**3213056**	50
FBS 20-3,5	**3213069**	50
ATP-ST 4	**3030721**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PC	**3040588**	50
SZF 0-0,4X2,5	**1204504**	10

UCT-TM 3,5 or ZB 3,5 (see Catalog 5)
UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
3.5	**78**	**55**	
		max. Ø [mm²]	AWG
		0.14 - 1.5	**26 - 14**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
1.5	-	-	-
26 - 14	26-14	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PTTBS 1,5/S/2P-PE	**3214518**	50

Accessories

D-PTTBS 1,5/S/2P	**3214534**	50
FBS 2-3,5	**3213014**	50
FBS 3-3,5	**3213027**	50
FBS 4-3,5	**3213030**	50
FBS 5-3,5	**3213043**	50
FBS 10-3,5	**3213056**	50
FBS 20-3,5	**3213069**	50
ATP-STTB 4	**3030747**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PC	**3040588**	50
SZF 0-0,4X2,5	**1204504**	10

UCT-TM 3,5 or ZB 3,5 (see Catalog 5)
UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)

PT 2,5...L... COMBI plug-in push-in four-level terminal blocks



The plug-in four-level terminal blocks offer the following advantages when space is at a premium:

– Quick and easy signal distribution within controllers and power and process technology systems
– Compact, three-dimensional marshalling distributors can be set up

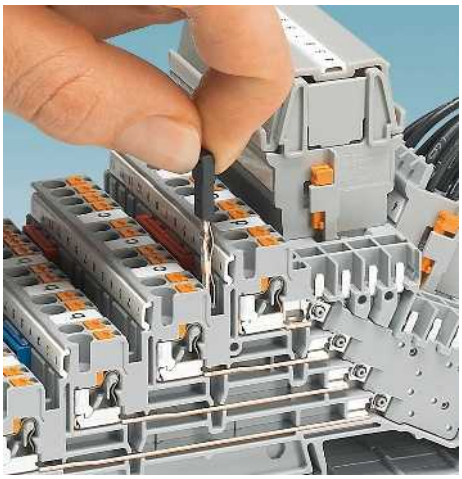


The four-level terminal blocks are equipped with two slots and increase system modularity by adding a further jumpering level. They enable the use of:

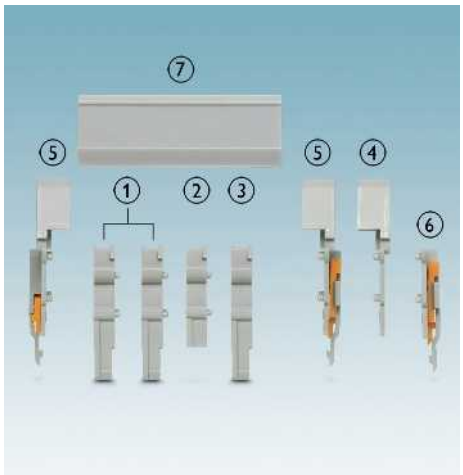
– Jumper plugs for free assembly that can be used for horizontal, vertical, and diagonal signal wiring
– Plugs for free assembly, e.g., for function and wiring test
– An additional connector outlet for signal wiring running to the field

Notes:
For current carrying capacity of DIN rails, see page 716.
For more plug-in bridges, visit www.phoenixcontact.net/products.
In order to crimp STG-MTN... modular socket contacts, the CRIMPFOX MT 2,5 (Order No. 1204038) must be used.
1) For derating curve, visit www.phoenixcontact.net/products

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
Direct plug-in connection cross sections	[mm²]
General data	
Stripping length	[mm]
Insulating material	
Inflammability class according to UL 94	



– The FBS−PV PT 2,5-4L plug-in vertical bridge enables potential to be distributed easily between the levels of a terminal

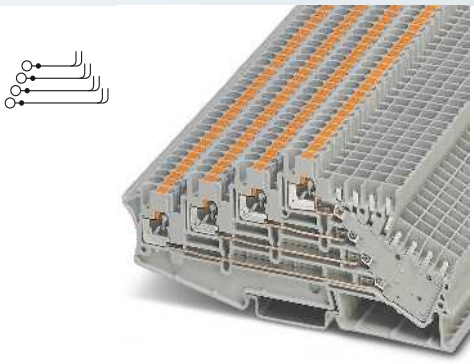


① 4-pos. plug with CP−H 2,5-4L-Z engagement pin
② DP-CP-H 2,5-4L spacer plate
③ CP-H 2,5-4L 4-pos. plug
④ D-CP-H 2,5-4L cover profile carrier
⑤ DFS-CP-H 2,5-4L cover profile carrier with self-locking flange cover
⑥ DFS-CP 2,5-4L self-locking flange cover
⑦ AP-CP-H cover profile

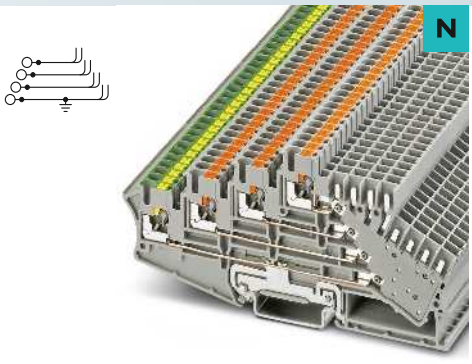
Description	No. of pos.	Color
Terminal block, for mounting on NS 35...		gray
Terminal block with PE foot, for mounting on NS 35...		gray
Plug housing, for accommodating 4 socket contacts		gray
Plug housing with engagement pin		gray
Cover, width 2.2 mm		gray
Plug-in bridge		
	2	red
	3	red
	4	red
	5	red
	10	red
	20	red
Vertical potential bridge, to connect the upper and lower level		black
Self-locking flange, can be labeled with UC-TM		gray
Module socket contact, 0.5 - 1 mm²		silver
Module socket contact, 1.5 - 2.5 mm²		silver
Spacer plate		gray
Cover profile, 1 m, can be labeled with UC-TM ...		gray
Cover profile carrier		gray
Cover profile carrier, with self-locking flange cover		gray
Self-locking flange cover		gray
Test adapter, 4-mm test socket hole		gray
Test plug metal part, 2.3 mm Ø		
Insulating sleeve, for MPS metal part		red
Modular test plug, for the individual assembly of test plug strips		red
Screwdriver		
Lateral groove labeling		



2.5 (4) mm², 10 A, four-level terminal block



2.5 (4) mm², 10 A, four-level terminal block, two slots



2.5 (4) mm², 10 A, four-level terminal block with PE foot

Technical data

Width	Length	Height NS 35/7,5	
5.2	**105.6**	**59**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
10[1])	**250**	**0.14 - 4**	**26 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	-	-	-
10[1]) / 1.5	- / -	-	-
2.5	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-4L/1P		**3012300**	50
CP-H 2,5-4L		**3012313**	50
CP-H 2,5-4L-Z		**3012314**	50

Accessories

D-PT 2,5-4L/1P		**3012301**	10
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
FBS-PV PT 2,5-4L		**3012318**	50
PT 2,5-4L/1P-FS		**3012302**	10
STG-MTN 0,5-1,0		**3190438**	100
STG-MTN 1,5-2,5		**3190506**	100
DP-CP-H 2,5-4L		**3012319**	50
AP-CP-H METER		**3012315**	10
D-CP-H 2,5-4L		**3012320**	50
DFS-CP-H 2,5-4L		**3012317**	50
DFS-CP 2,5-4L		**3012321**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**125**	**59**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
10[1])	**250**	**0.14 - 4**	**26 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	-	-	-
10[1]) / 1.5	- / -	-	-
2.5	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PT 2,5-4L/2P		**3012310**	50
CP-H 2,5-4L		**3012313**	50
CP-H 2,5-4L-Z		**3012314**	50

Accessories

D-PT 2,5-4L/2P		**3012311**	10
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
FBS-PV PT 2,5-4L		**3012318**	50
PT 2,5-4L/2P-FS		**3012312**	10
STG-MTN 0,5-1,0		**3190438**	100
STG-MTN 1,5-2,5		**3190506**	100
DP-CP-H 2,5-4L		**3012319**	50
AP-CP-H METER		**3012315**	10
D-CP-H 2,5-4L		**3012320**	50
DFS-CP-H 2,5-4L		**3012317**	50
DFS-CP 2,5-4L		**3012321**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
SZF 1-0,6X3,5		**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**125**	**59**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
10[1])	**250**	**0.14 - 4**	**26 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	-	-	-
10[1]) / 1.5	- / -	-	-
2.5	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PT 2,5-PE/3L/2P	**3012316**	50
CP-H 2,5-4L-PE	**3012323**	50
CP-H 2,5-4L-Z-PE	**3012324**	50

Accessories

D-PT 2,5-4L/2P	**3012311**	10
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
FBS-PV PT 2,5-4L	**3012318**	50
STG-MTN 0,5-1,0	**3190438**	100
STG-MTN 1,5-2,5	**3190506**	100
DP-CP-H 2,5-4L	**3012319**	50
AP-CP-H METER	**3012315**	10
D-CP-H 2,5-4L	**3012320**	50
DFS-CP-H 2,5-4L	**3012317**	50
DFS-CP 2,5-4L	**3012321**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
PS-5	**3030983**	10
SZF 1-0,6X3,5	**1204517**	10

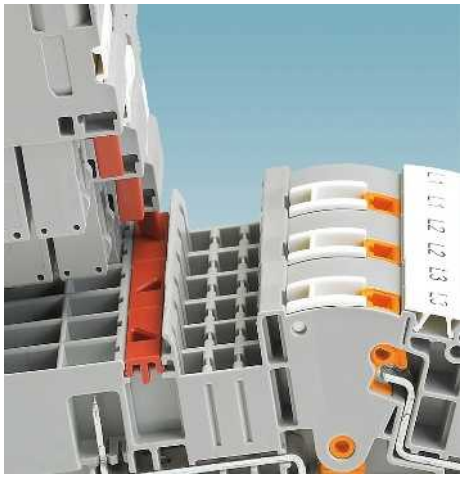
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

COMBI plug-in push-in current transformer disconnect terminal block with automatic short-circuit function



Safe and convenient

– The terminal block with patented short-circuit plug is particularly convenient and safe. If the connector is removed, an advanced short circuit occurs automatically.
– Connected current transformers are automatically protected against damage

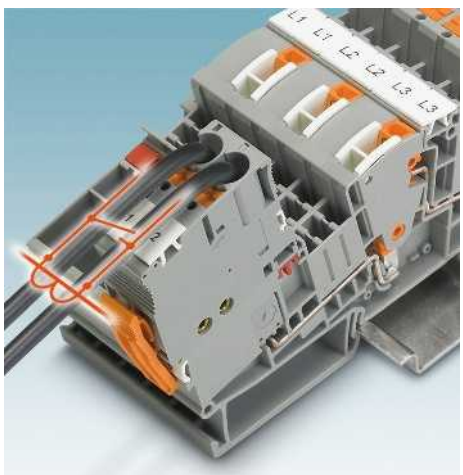


Easy and safe coding

– The short-circuit plugs are available in a 2 and 3-pos. version
– Both connector versions can be reliably protected against polarity reversal using a snap-in coding profile
– Strain relief and connector latching can be snapped on as an option

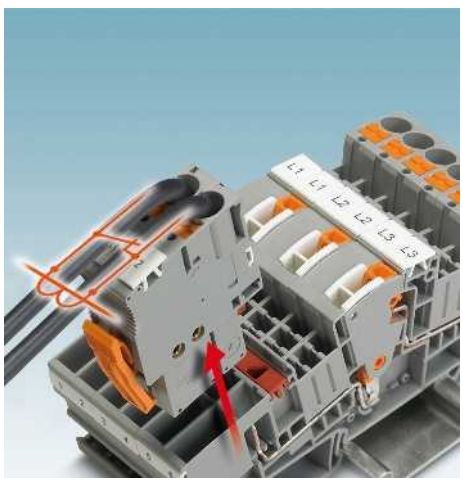
Notes:
For current carrying capacity of DIN rails, see page 716.
[1]) The coding set can be used to code up to 30 plugs.

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
Direct plug-in connection cross sections	[mm²]
General data	
Stripping length	[mm]
Insulating material	
Inflammability class according to UL 94	



Function:

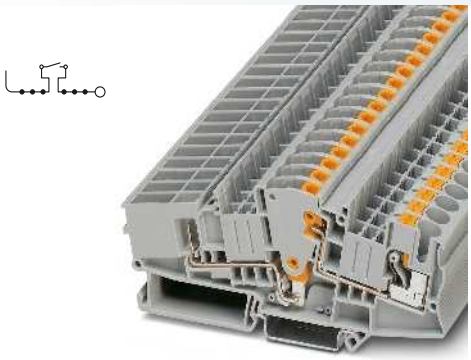
– Plug inserted - no short circuit, measuring circuit in operation



Function:

– Plug removed - automatic, leading short circuit of current transformer

Description	No. of pos.	Color
Current transformer disconnect terminal block, for mounting on NS 35...		gray
Feed-through terminal block, for mounting on NS 35...		gray
Ground terminal block, for mounting on NS 35...		green-yellow
COMBI plug, with integrated short-circuit function, 2-pos.		gray
3-pos.		gray
Cover, width 2.2 mm		gray
Plug-in bridge		
	2	red
	3	red
	4	red
	5	red
	10	red
Switching lock, plug-in		white
Connection bridge, for connecting two test disconnect terminal blocks		orange
3-pos.		orange
Test adapter, for 4-mm-Ø safety test plug, snapped into bridge shaft		orange
		yellow
		green
		violet
		black
		blue
		red
		gray
		brown
Coding set, for 2-pos. plugs[1])		red
For 3-pos. plugs		red
Screwdriver		
Lateral groove labeling		
Center and lateral groove labeling		



6 (10) mm², 30 A, current transformer disconnect terminal block, for short-circuit plug



6 (10) mm², 30 A, feed-through terminal block, for short-circuit plug



6 (10) mm², ground terminal block, same shape, for short-circuit plug

Technical data

Width	Length	Height NS 35/7,5	
8.2	**114.9**	**49.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**500**	**0.5 - 10**	**20 - 8**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	-	-
30 / 6	30 / -	-	-
6	-	-	-
20 - 8	20-8	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTME 6-CT/1P		**3212300**	50

Accessories

PPCT 6/2		**3212304**	10
PPCT 6/3		**3212305**	10
D-PTME 6-CT/1P		**3212303**	10
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
S-ME 6		**3034439**	10
C-ME 6/2		**3034442**	10
C-ME 6/3		**3034390**	50
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
PAI-4-FIX VT		**3032761**	10
PAI-4-FIX BK		**3032774**	10
PAI-4-FIX BU		**3032729**	10
PAI-4-FIX RD		**3032732**	10
PAI-4-FIX GY		**3032790**	10
PAI-4-FIX BN		**3032787**	10
PC-CT 6/2		**3212308**	1
PC-CT 6/3		**3212309**	1
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**114.9**	**49.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**500**	**0.5 - 10**	**20 - 8**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	-	-
30 / 6	30 / -	-	-
6	-	-	-
20 - 8	20-8	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTMED 6-CT/1P		**3212301**	50

Accessories

PPCT 6/2		**3212304**	10
PPCT 6/3		**3212305**	10
D-PTME 6-CT/1P		**3212303**	10
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
PAI-4-FIX VT		**3032761**	10
PAI-4-FIX BK		**3032774**	10
PAI-4-FIX BU		**3032729**	10
PAI-4-FIX RD		**3032732**	10
PAI-4-FIX GY		**3032790**	10
PAI-4-FIX BN		**3032787**	10
PC-CT 6/2		**3212308**	1
PC-CT 6/3		**3212309**	1
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**114.9**	**49.6**	
		max. Ø [mm²]	AWG
		0.5 - 10	**20 - 8**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	-
20 - 8	20-8	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

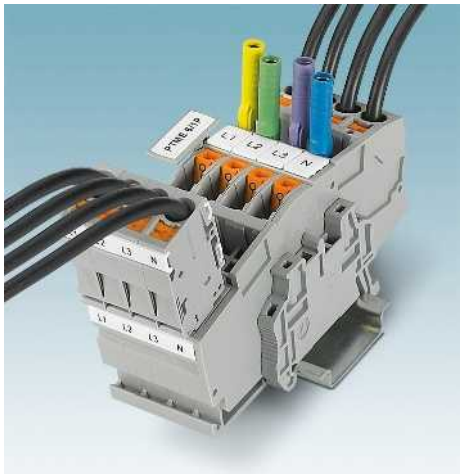
Type	Order No.	Pcs. / Pkt.
PTMED 6-CT/1P-PE	**3212302**	50

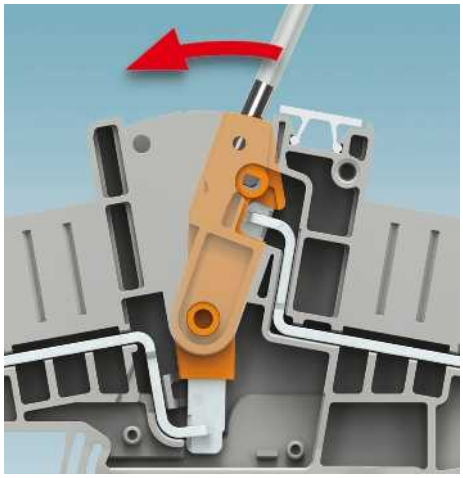
Accessories

PPCT 6/2	**3212304**	10
PPCT 6/3	**3212305**	10
D-PTME 6-CT/1P	**3212303**	10
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
PAI-4-FIX OG	**3034455**	10
PAI-4-FIX YE	**3032745**	10
PAI-4-FIX GN	**3032758**	10
PAI-4-FIX VT	**3032761**	10
PAI-4-FIX BK	**3032774**	10
PAI-4-FIX BU	**3032729**	10
PAI-4-FIX RD	**3032732**	10
PAI-4-FIX GY	**3032790**	10
PAI-4-FIX BN	**3032787**	10
PC-CT 6/2	**3212308**	1
PC-CT 6/3	**3212309**	1
SZF 2-0,8X4,0	**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

PTME 6/1P COMBI plug-in push-in test disconnect terminal block





The plug-in test disconnect terminal blocks offer all the advantages of the COMBI modular terminal block system and also offer the following features:

– Switching states can be clearly identified by means of printed symbols
– Switching jumpers can be positioned on both sides of the disconnect point in the triple function shaft and safely latched into place.
– The COMBI system offers the highest levels of protection for users, as both the basic terminal blocks and the plugs are touch proof. Alongside the safety aspect, this offers great flexibility for configuration work: the supply may be routed via the terminal blocks or the plugs
– Thanks to the straightforward, custom coding option, wiring reliability is increased and incorrect connections are avoided
– Strain relief can be snapped on
– Latching fixes connectors to basic terminal blocks

Notes:

For pre-assembled jumpers, see www.phoenixcontact.net/products

[1]) For derating curve, visit www.phoenixcontact.net/products

Section disconnection

– Screwless longitudinal isolating switch safely latches in the relevant switch position

Switching jumpers

– SB-ME ... switching jumpers can be positioned and latched on both sides of the disconnect point in the bridge shaft
– Reliably snapped into the end positions
– Contact made via screw terminal points

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
Direct plug-in connection cross sections	[mm²]
General data	
Stripping length	[mm]
Insulating material	
Inflammability class according to UL 94	

Description	No. of pos.	Color
Terminal block, for mounting on NS 35...		gray
Cover, width 2.2 mm		gray
Switching jumper, plug-in		
	2	gray/orange
	3	gray/orange
	4	gray/orange
Plug-in bridge		
	2	red
	3	red
	4	red
	5	red
	10	red
Switching lock, plug-in		white
Connection bridge, for connecting two test disconnect terminal blocks		orange
3-pos.		orange
Test adapter, for 4-mm-Ø safety test plug, snapped into bridge shaft		orange
		yellow
		green
		violet
		black
		blue
		red
		gray
		brown
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red
Partition plate, with storage option for switching jumpers		gray
Screwdriver		

Lateral groove labeling

Center and lateral groove labeling



6 (10) mm², 30 A, test disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**99.4**	**49.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	**500**	**0.5 - 10**	**20 - 8**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	-	-
30[1]) / 6	30 / -	-	-
6	-	-	-
20 - 8	20-8	-	-
solid	stranded	Ferrule	Without / with plastic sleeve
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PTME 6/1P		**3212306**	50

Accessories

D-PTME 6/1P		**3212307**	10
SB-ME 2-8	30 A	**3034468**	10
SB-ME 3-8	30 A	**3032800**	10
SB-ME 4-8	30 A	**3034484**	10
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
S-ME 6		**3034439**	10
C-ME 6/2		**3034442**	10
C-ME 6/3		**3034390**	50
PAI-4-FIX OG		**3034455**	10
PAI-4-FIX YE		**3032745**	10
PAI-4-FIX GN		**3032758**	10
PAI-4-FIX VT		**3032761**	10
PAI-4-FIX BK		**3032774**	10
PAI-4-FIX BU		**3032729**	10
PAI-4-FIX RD		**3032732**	10
PAI-4-FIX GY		**3032790**	10
PAI-4-FIX BN		**3032787**	10
PC		**3040588**	50
CARRIER 35-8		**3034387**	10
SZF 2-0,8X4,0		**1204520**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

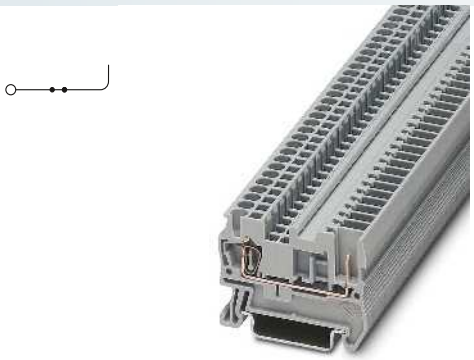
Feed-through terminal blocks with spring-cage connection ST-COMBI

– The plug-in ST-COMBI spring-cage terminal block series combines the system advantages of the ST standard terminal block series with those of the COMBI plug-in system

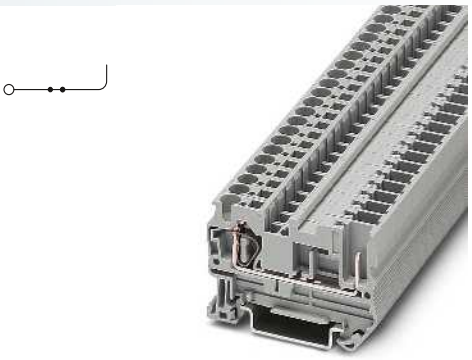
Notes:

1) For derating curve, visit www.phoenixcontact.net/products

2) The total current of all connected conductors must not exceed the maximum load current. For the derating curve, visit www.phoenixcontact.net/products.



2.5 (4) mm², 24 A, feed-through terminal block



4 (6) mm², 32 A, feed-through terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**48.5**	**36.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24¹)	**500**	**0.08 - 4**	**28 - 12**
Rated data		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	24¹) / 2.5	20 / -	20 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	28-12	24-12	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**ST 2,5/ 1P**		**3040012**	50
		blue	**ST 2,5/ 1P BU**		**3040656**	50

Accessories

Cover, width 2.2 mm		gray	**D-ST 2,5**		**3030417**	50
Cover, 0.8 mm width		orange	**D-ST 2,5-0,8 OG**		**3030511**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray				
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-ST 4**		**3030721**	50
Screw flange, for ST-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP-H 2,5 plugs for ST 2,5/1P, ST 2,5/1P-PE, PT 2,5/1P, PT 2,5/1P-PE		gray	**ST 2,5/1P-F**		**3209837**	50
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 2,5**		**3030941**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**		**3040588**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			
Center and lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			

Technical data

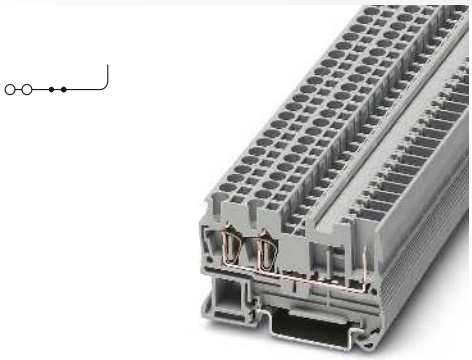
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**55.8**	**36.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		32¹)	**800**	**0.08 - 6**	**28 - 10**
Rated data		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	32¹) / 4	30 / -	30 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	28 - 10	28-10	28-10	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4/ 1P		**3042719**	50
ST 4/ 1P BU		**3042874**	50

Accessories

D-ST 4		**3030420**	50		
ISH 4/0,5		**3002885**	50		
ISH 4/1,0		**3002898**	50		
FBS 2-6	32 A	**3030336**	50		
FBS 3-6	32 A	**3030242**	50		
FBS 4-6	32 A	**3030255**	50		
FBS 5-6	32 A	**3030349**	50		
FBS 10-6	32 A	**3030271**	10		
FBS 20-6	32 A	**3030365**	10		
ATP-ST 4		**3030721**	50		
MPS-MT		**0201744**	10		
MPS-IH RD		**0201676**	10		
PS-6		**3030996**	10		
WST 4		**3030954**	50		
PC		**3040588**	50		
SZF 1-0,6X3,5		**1204517**	10		
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)					
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)					



2.5 (4) mm², 24 A, feed-through terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24²)	**500**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
24²) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-TWIN/ 1P		**3042117**	50
ST 2,5-TWIN/ 1P BU		**3042104**	50

Accessories

D-ST 2,5-TWIN		**3030488**	50
D-ST 2,5-TWIN-0,8 OG		**3030512**	50
DS-ST 2,5		**3036602**	10
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST-TWIN		**3030789**	50
ST 2,5-TWIN/1P-F		**3209840**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WST 2,5		**3030941**	50
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



2.5 (4) mm², 24 A, feed-through terminal block, 4 connections

Technical data

Width	Length	Height NS 35/7,5	
5.2	**81**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24²)	**500**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	300	-
24²) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	24-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

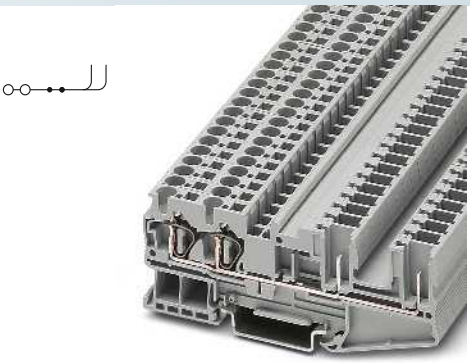
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO/2P		**3040038**	50
ST 2,5-QUATTRO/2P BU		**3040669**	50

Accessories

D-ST 2,5-QUATTRO/ 2P		**3040083**	50
DS-ST 2,5/P		**3041011**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-ST QUATTRO		**3030815**	50
ST 2,5-QUATTRO/2P-F		**3209853**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
WST 2,5		**3030941**	50
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



4 (6) mm², 32 A, feed-through terminal block, 4 connections

Technical data

Width	Length	Height NS 35/7,5	
6.2	**97.3**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32²)	**800**	**0.08 - 6**	**28 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
32²) / 4	30 / -	30 / -	-
4	-	-	-
28 - 10	28-10	28-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4-QUATTRO/2P		**3042845**	50
ST 4-QUATTRO/2P BU		**3042861**	50

Accessories

D-ST 4-QUATTRO/2P		**3043747**	50
DS-ST 4/P		**3043750**	50
ISH 4/0,5		**3002885**	50
ISH 4/1,0		**3002898**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 10-6	32 A	**3030271**	10
FBS 20-6	32 A	**3030365**	10
ATP-ST QUATTRO		**3030815**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
WST 4		**3030954**	50
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10

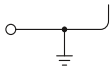
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

ST-COMBI ground terminal blocks with spring-cage connection

– Same shape and pitch as the basic terminal blocks
– Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
– All the requirements of standard IEC 60947-7-2 are met

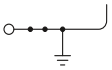
Notes:

For current carrying capacity of DIN rails, see page 716.





2.5 (4) mm², ground terminal block





4 (6) mm², ground terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**48.5**	**36.5**	
Max. electrical data				max. Ø [mm²]	AWG
				0.08 - 4	**28 - 12**
Rated data		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	- / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	28-12	28-12	-
Connection capacity		solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**ST 2,5/ 1P-PE**	**3040025**	50

Accessories

Cover, width 2.2 mm	gray	**D-ST 2,5**	**3030417**	50
Cover, 0.8 mm width	orange	**D-ST 2,5-0,8 OG**	**3030511**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned	gray			
Insulation stop sleeve, cross section range:				
0.08 - 0.2 mm²	white	**ISH 2,5/0,2**	**3002843**	50
0.25 - 0.5 mm²	gray	**ISH 2,5/0,5**	**3002856**	50
0.75 - 1 mm²	black	**ISH 2,5/1,0**	**3002869**	50
Plug-in bridge				
2	red			
3	red			
4	red			
5	red			
10	red			
20	red			
Partition plate, 2 mm width	gray	**ATP-ST 4**	**3030721**	50
Screw flange, for ST-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP-H 2,5 plugs for ST 2,5/1P, ST 2,5/1P-PE, PT 2,5/1P, PT 2,5/1P-PE	gray	**ST 2,5/1P-F**	**3209837**	50
Test plug metal part, 2.3 mm Ø				
Insulating sleeve, for MPS metal part	red			
Modular test plug, for the individual assembly of test plug strips	red			
Warning cover, for actuation shafts, 5-pos.	yellow	**WST 2,5**	**3030941**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10

Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**

Technical data

		Width	Length	Height NS 35/7,5	
		6.2	**55.8**	**36.5**	
				max. Ø [mm²]	AWG
				0.08 - 6	**28 - 10**
		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
		-	-	-	-
		-	- / -	-	-
		4	-	-	-
		28 - 10	28-10	28-10	-
		solid	stranded	Ferrule	Without / with plastic sleeve
		0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
					0.5 - 1
		10			
		PA			
		V0			

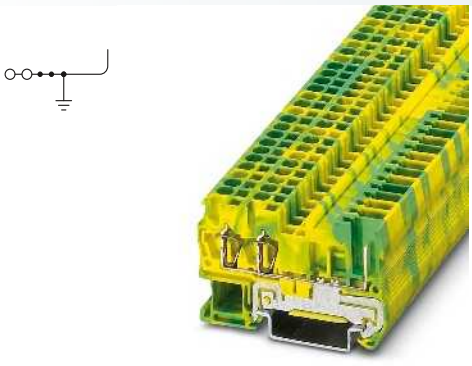
Ordering data

Type	Order No.	Pcs. / Pkt.
ST 4/ 1P-PE	**3042722**	50

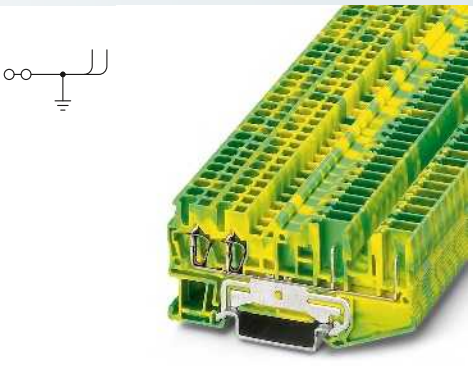
Accessories

D-ST 4	**3030420**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-ST 4	**3030721**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
WST 4	**3030954**	50
PC	**3040588**	50
SZF 1-0,6X3,5	**1204517**	10

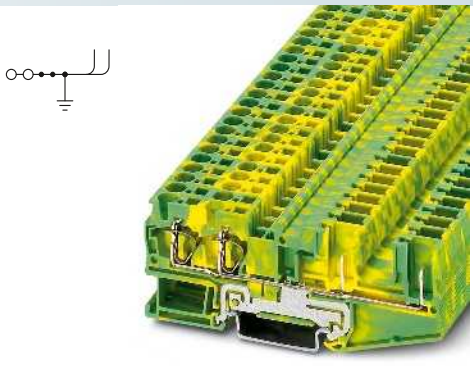
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)



2.5 (4) mm², ground terminal block, 3 connections



2.5 (4) mm², ground terminal block, 4 connections



4 (6) mm², ground terminal block, 4 connections

Technical data

Width	Length	Height NS 35/7,5	
5.2	**60.5**	**36.5**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
ST 2,5-TWIN/ 1P-PE	**3042120**	50

Accessories

D-ST 2,5-TWIN	**3030488**	50
D-ST 2,5-TWIN-0,8 OG	**3030512**	50
DS-ST 2,5	**3036602**	10
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 10-5	**3030213**	10
FBS 20-5	**3030226**	10
ATP-ST-TWIN	**3030789**	50
ST 2,5-TWIN/1P-F	**3209840**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
WST 2,5	**3030941**	50
PC	**3040588**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**81**	**36.5**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO/2P-PE	**3040041**	50

Accessories

D-ST 2,5-QUATTRO/ 2P	**3040083**	50
DS-ST 2,5/P	**3041011**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
ATP-ST QUATTRO	**3030815**	50
ST 2,5-QUATTRO/2P-F	**3209853**	50
WST 2,5	**3030941**	50
PC	**3040588**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**97.3**	**36.5**	
		max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	-
28 - 10	28-10	28-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
ST 4-QUATTRO/2P-PE	**3042858**	50

Accessories

D-ST 4-QUATTRO/2P	**3043747**	50
DS-ST 4/P	**3043750**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 10-6	**3030271**	10
FBS 20-6	**3030365**	10
ATP-ST QUATTRO	**3030815**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
WST 4	**3030954**	50
PC	**3040588**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

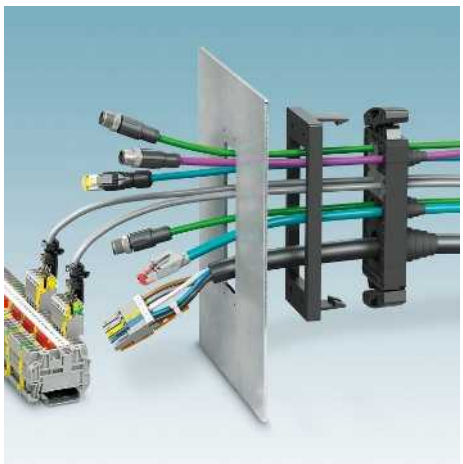
ST-COMBI double-level terminal blocks with spring-cage connection



- Potential managed on two levels
- Amount of space required is reduced by 50% compared to single-level terminal blocks
- Separate potentials can be used as there are bridge shafts on each level
- Cross connection to any number of terminal blocks with the FBS ... continuous plug-in bridge system
- Replacement, e.g., for supply with heavy-duty plug-in connectors in the control cabinet

Cable entry system

- The CES cable entry system (see Catalog 4) enables the easy and space-saving installation of pre-assembled cables with IP54/IP65 protection in the control cabinet, see figure below

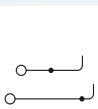


Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) The total current of all connected conductors must not exceed the max. load current.

[2]) For derating curve, visit www.phoenixcontact.net/products





2.5 (4) mm², 22 A, feed-through terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**71.5**	**47.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		22[2])	**500**	**0.08 - 4 / 28 - 12**
Rated data		IEC 61984 / IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	22[2]) / 2.5	20 / -	20 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	28 - 12	28-12	24-12 / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5
General data				
Stripping length	[mm]	10		
Insulating material		PA		
Inflammability class according to UL 94		V0		

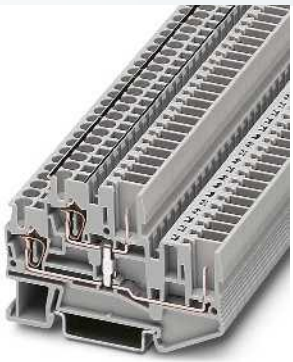
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**STTB 2,5/2P**		**3040054**	50
		blue	**STTB 2,5/2P BU**		**3040672**	50
With marking groove on the plug-in side		gray	**STTB 2,5/2P SO**		**3040892**	50
		blue	**STTB 2,5/2P BU SO**		**3040902**	50
Terminal block, with equipotential bonder, for mounting on NS 35...		gray				
		blue				
With marking groove on the plug-in side		gray				
Ground terminal block, for mounting on NS 35...		green-yellow				
With marking groove on the plug-in side		green/yellow				

Accessories

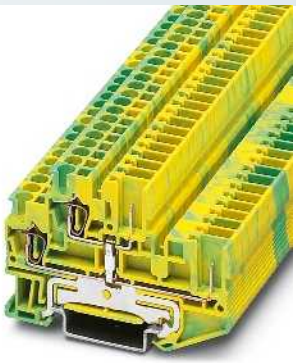
Cover, width 2.2 mm		gray	**D-STTB 2,5/ 2P**		**3040096**	50
Insulation stop sleeve, cross section range:						
0.08 - 0.2 mm²		white	**ISH 2,5/0,2**		**3002843**	50
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**		**3002856**	50
0.75 - 1 mm²		black	**ISH 2,5/1,0**		**3002869**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-STTB 4**		**3030747**	50
Screw flange		gray	**STTB 2,5/2P-F**		**3061169**	50
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Warning cover, for actuation shafts, 5-pos.		yellow	**WST 2,5**		**3030941**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**		**3040588**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			





2.5 (4) mm², 22 A, double-level terminal block, internally connected levels





2.5 (4) mm², double-level ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	**71.5**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
22[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
22[2]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	24-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
5.2	**71.5**	**47.5**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5/2P-PV		**3040070**	50
STTB 2,5/2P-PV BU		**3040685**	50
STTB 2,5/2P-PV SO		**3040928**	50

Ordering data

Type	Order No.	Pcs. / Pkt.
STTB 2,5/2P-PE	**3040067**	50
STTB 2,5/2P-PE SO	**3040915**	50

Accessories

D-STTB 2,5/ 2P		**3040096**	50
ISH 2,5/0,2		**3002843**	50
ISH 2,5/0,5		**3002856**	50
ISH 2,5/1,0		**3002869**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
ATP-STTB 4		**3030747**	50
STTB 2,5/2P-F		**3061169**	50
PS-5		**3030983**	10
WST 2,5		**3030941**	50
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10

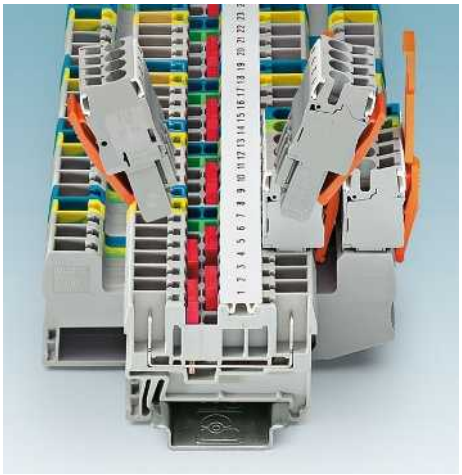
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Accessories

D-STTB 2,5/ 2P	**3040096**	50
ISH 2,5/0,2	**3002843**	50
ISH 2,5/0,5	**3002856**	50
ISH 2,5/1,0	**3002869**	50
ATP-STTB 4	**3030747**	50
STTB 2,5/2P-F	**3061169**	50
WST 2,5	**3030941**	50
PC	**3040588**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

COMBI plug-in PIN/PIN feed-through and double-level terminal blocks



- For the PIN/PIN versions of the COMBI series, plugs can be used on both sides of the terminal blocks
- This makes the COMBI system even more flexible as the terminal blocks are used as the connection element for modules
- Connection with standard COMBI plugs
- The extensive range of accessories, such as latching, strain relief, coding, and shield connection can be used
- Ground terminal blocks of the same shape and pitch
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947-7-2 are met

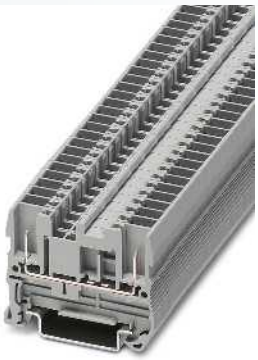
CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

Notes:

For other accessories, see page 428.

1) The total current of all connected conductors must not exceed the max. load current.

2) For derating curve, visit www.phoenixcontact.net/products



2.5 (4) mm², 24 A, feed-through terminal block, 2 connections

Technical data

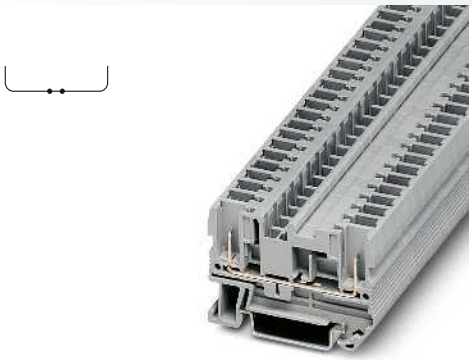
Dimensions			
Width	Length	Height NS 35/7,5	
5.2	**49.1**	**36.5**	
Max. electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24²)	**500**	**0.08 - 4**	**28 - 12**
Rated data			
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	300	-
Nominal current / cross section [A] / [mm²]	24²) / 2.5	20 / -	20 / -	-
Rated cross section [mm²]	2.5	-	-	-
Cross section range AWG	28 - 12	-	24-12	-
Connection capacity of the usable plugs	solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor [mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**ST 2,5/2P**		**3042133**	50
		blue	**ST 2,5/2P BU**		**3042094**	50
Terminal block, with equipotential bonder, for mounting on NS 35...		gray				

Accessories

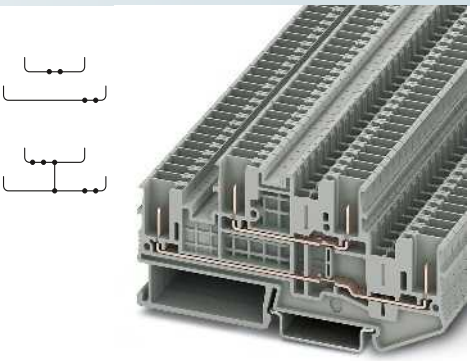
Cover, width 2.2 mm		gray	**D-ST 2,5**		**3030417**	50
Cover, 0.8 mm width		orange	**D-ST 2,5-0,8 OG**		**3030511**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray				
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	20	red	**FBS 20-5**	24 A	**3030226**	10
Vertical potential bridge, to connect the upper and lower level		black				
Partition plate, 2 mm width		gray	**ATP-ST 4**		**3030721**	50
Screw flange		gray	**ST 2,5/2P-F**		**3061198**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**		**3040588**	50
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			



4 (6) mm², 32 A, feed-through terminal block, 2 connections



2.5 (4) mm², 24 A, feed-through terminal block, 4 connections



2.5 (4) mm², 22 A, double-level terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**55.9**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32[2])	**800**	**0.08 - 6**	**28 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	-	-	-
32[2]) / 4	- / -	-	-
4	-	-	-
28 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 4/ 2P		**3042735**	50
ST 4/ 2P BU		**3043789**	50

Accessories

D-ST 4		**3030420**	50
FBS 2-6	32 A	**3030336**	50
FBS 3-6	32 A	**3030242**	50
FBS 4-6	32 A	**3030255**	50
FBS 5-6	32 A	**3030349**	50
FBS 5-6	32 A	**3030349**	50
FBS 20-6	32 A	**3030365**	10
ATP-ST 4		**3030721**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
PC		**3040588**	50

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**89.5**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	300	-
24[2]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	-	24-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO/4P		**3042159**	50
ST 2,5-QUATTRO/4P BU		**3042081**	50

Accessories

D-ST 2,5-QUATTRO/4P		**3042175**	50
DS-ST 2,5/2P		**3042337**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
ATP-ST QUATTRO		**3030815**	50
ST 2,5-QUATTRO/4P-F		**3061208**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
PC		**3040588**	50

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**98.8**	**47.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
22[2])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
22[2]) / 2.5	20 / -	20	-
2.5	-	-	-
28 - 12	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
STTB 2,5/4P		**3061486**	50
STTB 2,5/4P BU		**3061512**	50
STTB 2,5/4P-PV		**3061509**	50

Accessories

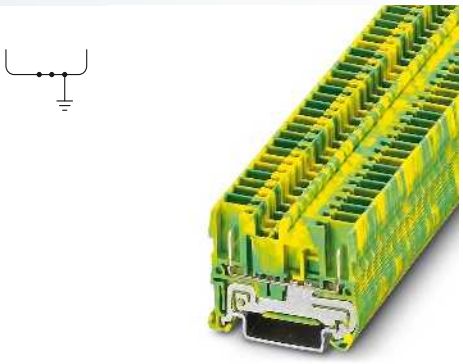
D-STTB 2,5/4P		**3061538**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 5-5	24 A	**3030190**	50
FBS 20-5	24 A	**3030226**	10
FBS-PV		**3032185**	50
ATP-STTB 4		**3030747**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
PC		**3040588**	50

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

COMBI PIN/PIN ground terminal blocks

– Same shape and pitch as the PIN/PIN versions of the COMBI series
– Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
– All the requirements of standard IEC 60947−7−2 are met

Notes:
For current carrying capacity of DIN rails, see page 716.



2.5 (4) mm², ground terminal block, 2 connections

Technical data

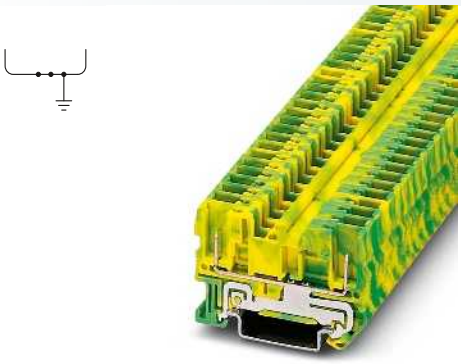
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**49.1**	**36.5**
Max. electrical data				max. Ø [mm²] / AWG
				0.08 - 4 / 28 - 12
Rated data		IEC 61984 IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	28 - 12	-	28-12 / -
Connection capacity of the usable plugs		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5
General data				
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

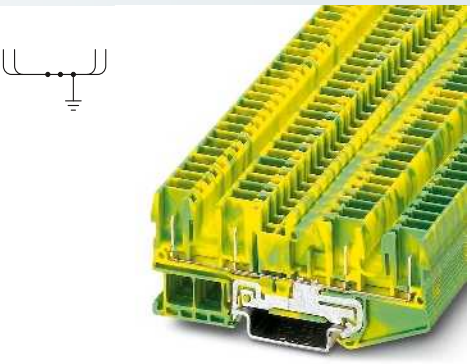
Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**ST 2,5/2P-PE**	**3042146**	50

Accessories

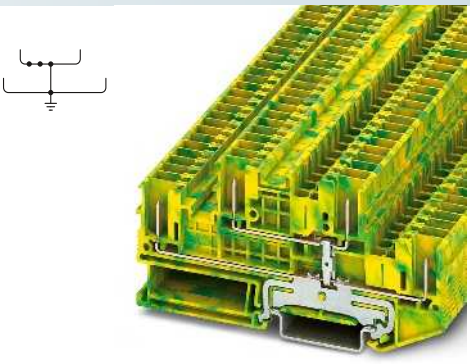
Cover, width 2.2 mm		gray	**D-ST 2,5**	**3030417**	50
Cover, 0.8 mm width		orange	**D-ST 2,5-0,8 OG**	**3030511**	50
End cover segment, for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned		gray			
Plug-in bridge					
	2	red	**FBS 2-5**	**3030161**	50
	3	red	**FBS 3-5**	**3030174**	50
	4	red	**FBS 4-5**	**3030187**	50
	5	red	**FBS 5-5**	**3030190**	50
	5	red	**FBS 5-5**	**3030190**	50
	20	red	**FBS 20-5**	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-ST 4**	**3030721**	50
Screw flange		gray	**ST 2,5/2P-F**	**3061198**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**	**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**	**3030983**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**	**3040588**	50
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**		



4 (6) mm², ground terminal block, 2 connections



2.5 (4) mm², ground terminal block, 4 connections



2.5 (4) mm², double-level ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**55.9**	**36.5**	
		max. Ø [mm²]	AWG
		0.08 - 6	**28 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	-
28 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
ST 4/ 2P-PE	**3042748**	50

Accessories

D-ST 4	**3030420**	50
FBS 2-6	**3030336**	50
FBS 3-6	**3030242**	50
FBS 4-6	**3030255**	50
FBS 5-6	**3030349**	50
FBS 5-6	**3030349**	50
FBS 20-6	**3030365**	10
ATP-ST 4	**3030721**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-6	**3030996**	10
PC	**3040588**	50

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**89.5**	**36.5**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
28 - 12	-	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO/4P-PE	**3042162**	50

Accessories

D-ST 2,5-QUATTRO/4P	**3042175**	50
DS-ST 2,5/2P	**3042337**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 5-5	**3030190**	50
FBS 20-5	**3030226**	10
ATP-ST QUATTRO	**3030815**	50
ST 2,5-QUATTRO/4P-F	**3061208**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
PC	**3040588**	50

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**98.8**	**47.5**	
		max. Ø [mm²]	AWG
		0.08 - 4	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
28 - 12	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
STTB 2,5/4P-PE	**3061499**	50

Accessories

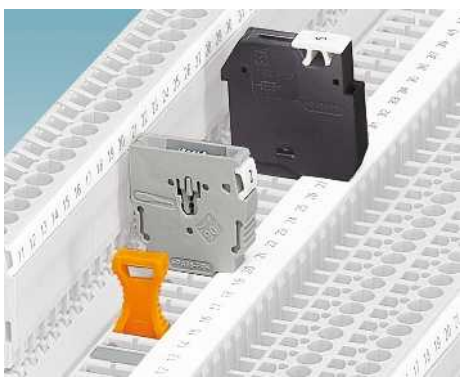
D-STTB 2,5/4P	**3061538**	50
FBS 2-5	**3030161**	50
FBS 3-5	**3030174**	50
FBS 4-5	**3030187**	50
FBS 5-5	**3030190**	50
FBS 5-5	**3030190**	50
FBS 20-5	**3030226**	10
ATP-STTB 4	**3030747**	50
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-5	**3030983**	10
PC	**3040588**	50

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)

ST-COMBI knife disconnect terminal blocks



- Knife disconnect terminal block with a current carrying capacity of 20 A
- Design width of just 5.2 mm
- Triple bridge shaft enables individual potential distribution and supply
- Two bridge shafts are in the same position as for the entire ST and ST-COMBI series, while the third is on the other side of the disconnect point
- Test connection parallel to disconnect point for test plugs with a 2.3 mm diameter
- The ...TG/1P disconnect terminal block accommodates either the P-FIX feed-through connector, P-DI isolating plug, P-CO component plug or P-FU fuse plug



Notes:

For more plug-in bridges, see page 472.

[1]) If the fuse is faulty, the downstream circuit is not off load.

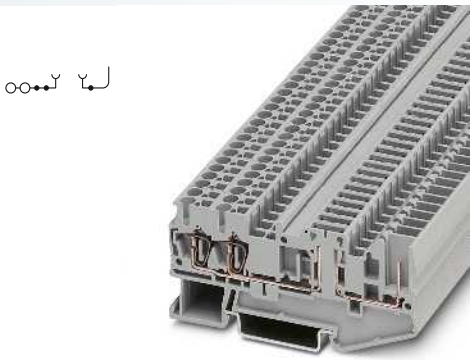
[2]) Observe max. load current.

[3]) Observe max. load current, depending on the power dissipation of the components. Max. 0.5 W with single arrangement.

[4]) Current and voltage are determined by the plug used.

[5]) The total current of all connected conductors must not exceed the maximum load current. For the derating curve, visit www.phoenixcontact.net/products.

[6]) Also see page 480.



2.5 (4) mm², 20 A, disconnect terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
5.2	**81**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[5])	**400[4])**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[4])	600	300	-
20[5]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 / 0.5
10			
PA			
V0			

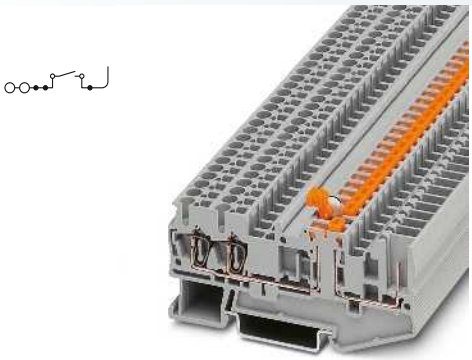
Dimensions		
		[mm]
Max. electrical data		
Rated data		
Rated voltage		[V]
Nominal current / cross section		[A] / [mm²]
Rated cross section		[mm²]
Cross section range		AWG
Connection capacity		
1 conductor		[mm²]
Two stranded conductors with a TWIN ferrule		[mm²]
General data		
Stripping length		[mm]
Insulating material		
Inflammability class according to UL 94		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Disconnect terminal block, for mounting on NS 35...		gray	**ST 2,5-TWIN-TG/1P**		**3040847**	50
Knife disconnect terminal block, for mounting on NS 35...		gray				

Accessories

Cover, width 2.2 mm		gray	**D-ST 2,5-QUATTRO/ 2P**		**3040083**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
Switching lock, plug-in[6])		white				
Partition plate, 2 mm width		gray	**ATP-ST QUATTRO**		**3030815**	50
Screw flange, for ST COMBI terminal blocks, for safe fixing of COMBI plugs with spring-cage connection for ST 2,5-QUATTRO/2P, ST 2,5-QUATTRO/2P-PE, ST 2,5-TWIN-MT/1P, ST 2,5-TWIN-TG/1P		gray	**ST 2,5-QUATTRO/2P-F**		**3209853**	50
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Isolating plug[2])		orange	**P-DI**		**3036783**	50
Feed-through connector[2])		gray	**P-FIX**		**3038956**	50
Component plug, labeled with ZBF 5 or UC-TMF 5[3])		gray	**P-CO**		**3036796**	10
Fuse plug, width 5.2 mm[1])		black	**P-FU 5X20-5**		**3209235**	10
With LED for 12-30 V DC, 0.35-0.95 mA		black	**P-FU 5X20 LED 24-5**		**3209248**	10
For 30-60 V AC/DC, 0.36-0.95 mA		black	**P-FU 5X20 LED 60-5**		**3209251**	10
For 110-250 V AC/DC, 0.4-0.95 mA		black	**P-FU 5X20 LED 250-5**		**3209264**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**		**3040588**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10
Center groove labeling			**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**			
Center and lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			



2.5 (4) mm², 20 A, knife disconnect terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
5.2	**81**	**36.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[5])	**400**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	600	300	-
20[5]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

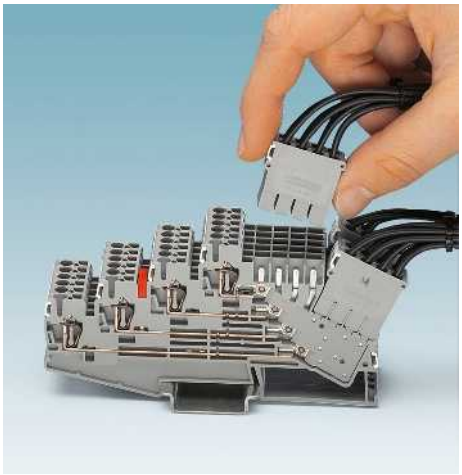
Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-TWIN-MT/1P		**3040766**	50

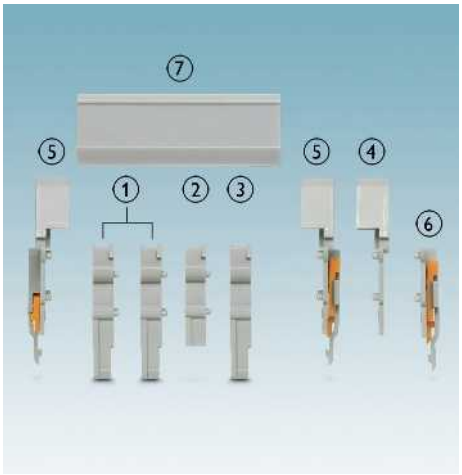
Accessories

D-ST 2,5-QUATTRO/ 2P		**3040083**	50
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
S-MT		**3247954**	50
ATP-ST QUATTRO		**3030815**	50
ST 2,5-QUATTRO/2P-F		**3209853**	50
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
PC		**3040588**	50
SZF 1-0,6X3,5		**1204517**	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

ST ... four-level terminal block with spring-cage connection





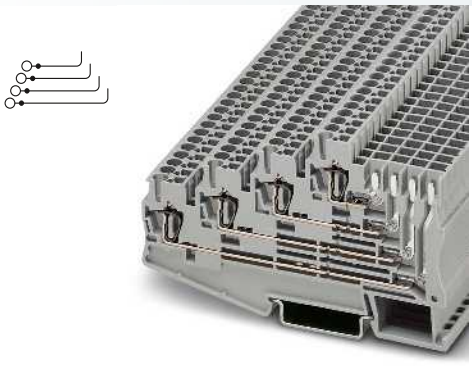
- Four feed-through levels
- Design width of just 5.2 mm
- Conductor connection with a nominal cross section of 2.5 mm² with and without ferrule
- High wiring density for particularly cramped switch systems
- One bridge shaft per level for potential distribution
- Basic terminal block and connector are available as engagement pin versions for forming blocks of individual system units
- One or two slots, depending on terminal block version
- The connector can also be used as a convenient test connection
- Maximum contact protection in the event of vibrations thanks to integrated connector latching
- Safe latching of modular socket contacts in connector housing
- The assignment of the 4 levels is marked on the connector and also on the permanently wired terminal block side with a - d
- Can be labeled on each terminal point
- The connector has a marking option for clear identification
- The universal accessories of the ST standard series are used for the four-level basic terminal block

Notes:
For current carrying capacity of DIN rails, see page 716.
For more plug-in bridges, visit www.phoenixcontact.net/products.
In order to crimp STG-MTN... modular socket contacts, the CRIMPFOX MT 2,5 (Order No. 1204038) must be used.
1) For derating curve, visit www.phoenixcontact.net/products

① 4-pos. plug with CP−H 2,5-4L-Z engagement pin
② DP-CP-H 2,5-4L spacer plate
③ CP-H 2,5-4L 4-pos. plug
④ D-CP-H 2,5-4L cover profile carrier
⑤ DFS-CP-H 2,5-4L cover profile carrier with self-locking flange cover
⑥ DFS-CP 2,5-4L self-locking flange cover
⑦ AP-CP-H cover profile

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Insulating material	
Inflammability class according to UL 94	

Description	No. of pos.	Color
Terminal block, for mounting on NS 35...		gray
Spring-cage terminal block with engagement pin, for mounting on NS 35...		gray
Plug housing, for accommodating 4 socket contacts		gray
Plug housing with engagement pin		gray
Cover, width 2.2 mm		gray
Plug-in bridge		
	2	red
	3	red
	4	red
	5	red
	10	red
	20	red
Self-locking flange, can be labeled with UC-TM		gray
Module socket contact, 0.5 - 1 mm²		silver
For conductors from 1.5 ... 2.5 mm²		silver
Spacer plate		gray
Cover profile, 1 m, can be labeled with UC-TM ...		gray
Cover profile carrier		gray
Cover profile carrier, with self-locking flange cover		gray
Self-locking flange cover		gray
Test adapter, 4-mm test socket hole		gray
Test plug metal part, 2.3 mm Ø		
Insulating sleeve, for MPS metal part		red
Modular test plug, for the individual assembly of test plug strips		red
Screwdriver		
Lateral groove labeling		



2.5 (4) mm², 10 A, four-level terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	101	59	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
10[1])	250	0.08 - 4	28 - 12
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	300	300	-
10[1]) / 1.5	10 / -	10 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

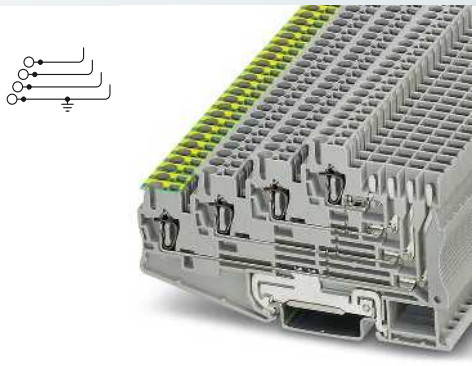
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-4L/1P		3041985	50
CP-H 2,5-4L		3012313	50
CP-H 2,5-4L-Z		3012314	50

Accessories

D-ST 2,5-4L/1P		3041930	50
FBS 2-5	24 A	3030161	50
FBS 3-5	24 A	3030174	50
FBS 4-5	24 A	3030187	50
FBS 5-5	24 A	3030190	50
FBS 10-5	24 A	3030213	10
FBS 20-5	24 A	3030226	10
PT 2,5-4L/1P-FS		3012302	10
STG-MTN 0,5-1,0		3190438	100
STG-MTN 1,5-2,5		3190506	100
DP-CP-H 2,5-4L		3012319	50
AP-CP-H METER		3012315	10
D-CP-H 2,5-4L		3012320	50
DFS-CP-H 2,5-4L		3012317	50
DFS-CP 2,5-4L		3012321	50
PAI-4-N GY		3032871	10
MPS-MT		0201744	10
MPS-IH RD		0201676	10
PS-5		3030983	10
SZF 1-0,6X3,5		1204517	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



2.5 (4) mm², 10 A, four-level terminal block with PE foot

Technical data

Width	Length	Height NS 35/7,5	
5.2	101	59	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
10[1])	250	0.08 - 4	28 - 12
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	300	300	-
10[1]) / 1.5	10 / -	10 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-PE/3L/1P		3041969	50
CP-H 2,5-4L-PE		3012323	50
CP-H 2,5-4L-Z-PE		3012324	50

Accessories

D-ST 2,5-4L/1P		3041930	50
FBS 2-5	24 A	3030161	50
FBS 3-5	24 A	3030174	50
FBS 4-5	24 A	3030187	50
FBS 5-5	24 A	3030190	50
FBS 10-5	24 A	3030213	10
FBS 20-5	24 A	3030226	10
PT 2,5-4L/2P-FS		3012312	10
STG-MTN 0,5-1,0		3190438	100
STG-MTN 1,5-2,5		3190506	100
DP-CP-H 2,5-4L		3012319	50
AP-CP-H METER		3012315	10
D-CP-H 2,5-4L		3012320	50
DFS-CP-H 2,5-4L		3012317	50
DFS-CP 2,5-4L		3012321	50
PAI-4-N GY		3032871	10
MPS-MT		0201744	10
MPS-IH RD		0201676	10
PS-5		3030983	10
SZF 1-0,6X3,5		1204517	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



2.5 (4) mm², 10 A, four-level terminal block, two slots

Technical data

Width	Length	Height NS 35/7,5	
5.2	120.5	59	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
10[1])	250	0.08 - 4	28 - 12
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	300	300	-
10[1]) / 1.5	10 / -	10 / -	-
2.5	-	-	-
28 - 12	28-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Ordering data

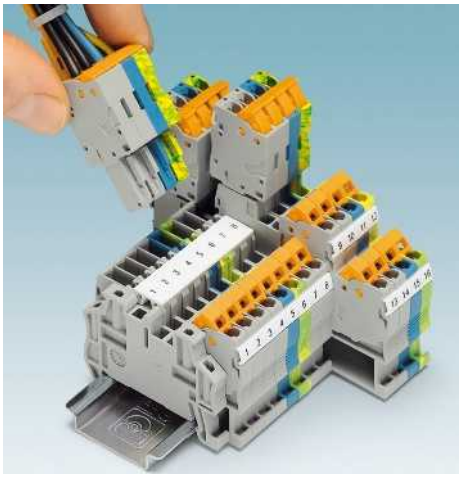
Type	I_{max}	Order No.	Pcs. / Pkt.
ST 2,5-4L/2P		3042007	50
ST 2,5-4L/2P-Z		3041998	50
CP-H 2,5-4L		3012313	50
CP-H 2,5-4L-Z		3012314	50

Accessories

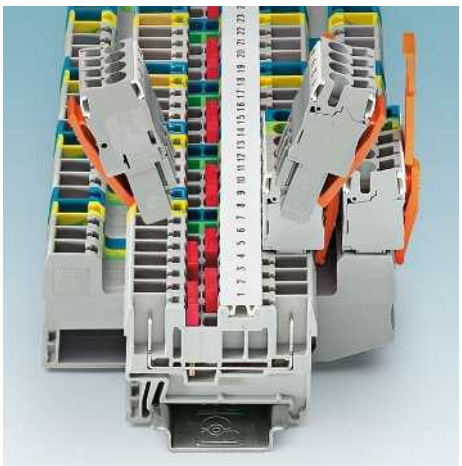
D-ST 2,5-4L/2P		3041927	50
FBS 2-5	24 A	3030161	50
FBS 3-5	24 A	3030174	50
FBS 4-5	24 A	3030187	50
FBS 5-5	24 A	3030190	50
FBS 10-5	24 A	3030213	10
FBS 20-5	24 A	3030226	10
PT 2,5-4L/2P-FS		3012312	10
STG-MTN 0,5-1,0		3190438	100
STG-MTN 1,5-2,5		3190506	100
DP-CP-H 2,5-4L		3012319	50
AP-CP-H METER		3012315	10
D-CP-H 2,5-4L		3012320	50
DFS-CP-H 2,5-4L		3012317	50
DFS-CP 2,5-4L		3012321	50
PAI-4-N GY		3032871	10
MPS-MT		0201744	10
MPS-IH RD		0201676	10
PS-5		3030983	10
SZF 1-0,6X3,5		1204517	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

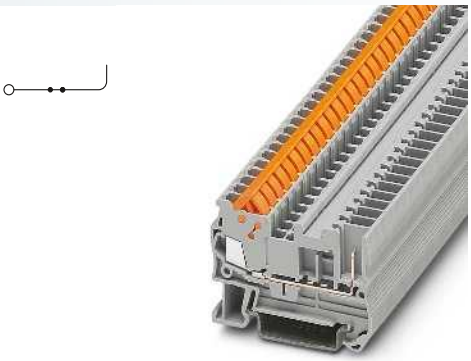
QT-COMBI feed-through and ground terminal blocks



- The advantages of the IDC insulation displacement contact are combined with the universal plug-in design of all four connection methods of the CLIPLINE complete system
- On the control cabinet side, the time-saving QUICKON fast connection is used
- All four of the CLIPLINE complete system connection methods can be used on the connection side as a means of connection
- The basic terminal blocks can be used for plug-in signal and power wiring
- Nominal data is 17.5 A / 500 V
- Ground terminal blocks of the same shape are available



Notes:
For current carrying capacity of DIN rails, see page 716.
The SP..., UP..., QP..., DP... plugs for the QT-COMBI terminal blocks are documented, see page 408.
For terminal blocks which can be connected on both sides, see page 360.
1) The total current of all connected conductors must not exceed the max. load current.
2) For derating curve, visit www.phoenixcontact.net/products



1.5 (1.5) mm², 17.5 A, feed-through terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**53.5**	**39.3**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		17.5²)	**500**	**0.25 - 1.5 / 24 - 16**
Rated data		IEC 61984 / IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	17.5²) / 1.5	10 / -	10 / - / -
Rated cross section	[mm²]	1.5	-	- / -
Cross section range	AWG	24 - 16	24-16	24-16 / -
Connection cross section in acc. with DIN VDE 0295				
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5		
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34		
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16		
Frequency of connections with the same cross section		100		
General data				
Insulating material		PA		
Inflammability class according to UL 94		V0		

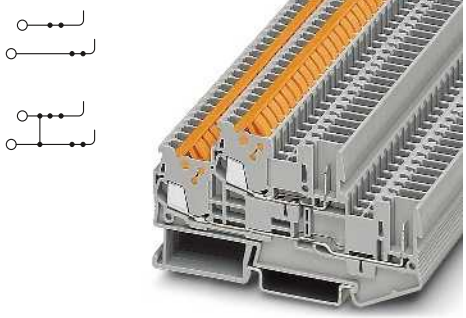
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**QTC 1,5/ 1P**		**3050073**	50
		blue	**QTC 1,5/ 1P BU**		**3050086**	50
Terminal block, with equipotential bonder, for mounting on NS 35...¹)		gray				
Ground terminal block, for mounting on NS 35...		green-yellow				

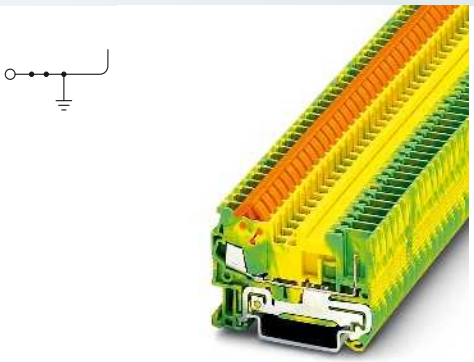
Accessories

Cover, width 2.2 mm		gray	**D-QTC 1,5/1P**		**3206322**	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Partition plate, 2 mm width		gray	**ATP-QTC**		**3206209**	50
Screw flange, for QT-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP-H 2,5 plugs for QTC 1,5/1P, QTC 1,5/1P-PE		gray	**QTC 1,5/1P-F**		**3061211**	50
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**		**3040588**	50
Screwdriver			**SZF 1-0,6X3,5**		**1204517**	10

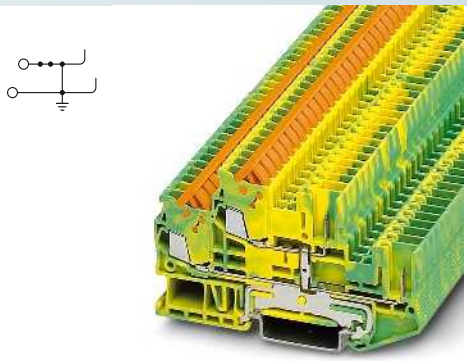
Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)**
Center and lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



1.5 (1.5) mm², 17.5 A, double-level terminal block



1.5 (1.5) mm², ground terminal block



1.5 (1.5) mm², double-level ground terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	87.8	49.9	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
17.5²)	500	0.25 - 1.5	24 - 16
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
17.5²) / 1.5	10 / -	10 / -	-
1.5	-	-	-
24 - 16	24-16	24-16	-
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
QTTCB 1,5/ 2P		3050196	50
QTTCB 1,5/ 2P BU		3050206	50
QTTCB 1,5/ 2P-PV		3206377	50

Accessories

D-QTTCB 1,5/2P		3206306	50
FBS 2-5	24 A	3030161	50
FBS 3-5	24 A	3030174	50
FBS 4-5	24 A	3030187	50
FBS 5-5	24 A	3030190	50
FBS 10-5	24 A	3030213	10
FBS 20-5	24 A	3030226	10
ATP-QTTCB		3206238	50
QTTCB 1,5/ 2P-F		3061185	50
PAI-4-N GY		3032871	10
MPS-MT		0201744	10
MPS-IH RD		0201676	10
PS-5		3030983	10
PC		3040588	50
SZF 1-0,6X3,5		1204517	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	53.5	39.3	
		max. Ø [mm²]	AWG
		0.25 - 1.5	24 - 16
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
1.5	-	-	-
24 - 16	24-16	24-16	-
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
QTC 1,5/ 1P-PE	3050099	50

Accessories

D-QTC 1,5/1P	3206322	50	
FBS 2-5	3030161	50	
FBS 3-5	3030174	50	
FBS 4-5	3030187	50	
FBS 5-5	3030190	50	
FBS 10-5	3030213	10	
FBS 20-5	3030226	10	
ATP-QTC	3206209	50	
QTC 1,5/1P-F	3061211	50	
PAI-4-N GY	3032871	10	
MPS-MT	0201744	10	
MPS-IH RD	0201676	10	
PS-5	3030983	10	
PC	3040588	50	
SZF 1-0,6X3,5	1204517	10	

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	87.8	49.9	
		max. Ø [mm²]	AWG
		0.25 - 1.5	24 - 16
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
1.5	-	-	-
24 - 16	24-16	24-16	-
0.5 - 1.5			
0.25 - 0.34			
24 - 16			
100			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
QTTCB 1,5/ 2P-PE	3050219	50

Accessories

D-QTTCB 1,5/2P	3206306	50	
FBS 2-5	3030161	50	
FBS 3-5	3030174	50	
FBS 4-5	3030187	50	
FBS 5-5	3030190	50	
FBS 10-5	3030213	10	
FBS 20-5	3030226	10	
ATP-QTTCB	3206238	50	
QTTCB 1,5/ 2P-F	3061185	50	
PAI-4-N GY	3032871	10	
MPS-MT	0201744	10	
MPS-IH RD	0201676	10	
PS-5	3030983	10	
PC	3040588	50	
SZF 1-0,6X3,5	1204517	10	

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

COMBI couplings with push-in connection

– For secure and space-saving accommodation of plug contacts in cable ducts and distributor shafts
– The push-in COMBI couplings for self-assembly provide solutions that users can implement themselves
– Robust cable housings for strain relief on connecting cables are available

Notes:

For more cable housings, see page 433.

[1]) For derating curve, visit www.phoenixcontact.net/products



1.5 (1.5) mm², 17.5 A, coupling, 2 to 15-pos.

Technical data

Dimensions				
	[mm]	Width **3.5 x No. of pos.**	Length **27**	Height **17.8**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		17.5[1])	**500**	**0.14 - 1.5 / 26 - 16**
Rated data		IEC 61984 IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	17.5[1]) / 1.5	15 / -	15 / - / -
Rated cross section	[mm²]	1.5	-	- / -
Cross section range	AWG	26 - 16	26-14	26-14 / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 / 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
COMBI coupling, with push-in connection					
	2	gray	**PPC 1,5/S/ 2**	**3213386**	50
	3	gray	**PPC 1,5/S/ 3**	**3213399**	50
	4	gray	**PPC 1,5/S/ 4**	**3213409**	50
	5	gray	**PPC 1,5/S/ 5**	**3213412**	50
	6	gray	**PPC 1,5/S/ 6**	**3213425**	25
	7	gray	**PPC 1,5/S/ 7**	**3213438**	25
	8	gray	**PPC 1,5/S/ 8**	**3213441**	25
	9	gray	**PPC 1,5/S/ 9**	**3213454**	25
	10	gray	**PPC 1,5/S/10**	**3213467**	25
	11	gray	**PPC 1,5/S/11**	**3213470**	10
	12	gray	**PPC 1,5/S/12**	**3213483**	10
	13	gray	**PPC 1,5/S/13**	**3213496**	10
	14	gray	**PPC 1,5/S/14**	**3213506**	10
	15	gray	**PPC 1,5/S/15**	**3213519**	10
COMBI coupling, with push-in connection					
	2	gray			
	3	gray			
	4	gray			
	5	gray			
	6	gray			
	7	gray			
	8	gray			
	9	gray			
	10	gray			

Accessories

Cover, width 2.2 mm		gray	**D-PPC 1,5/S**	**3213690**	50
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**	**3040588**	50
Strain relief, for plug and coupling 2-pos.		black	**PZ 1,5/S/2**	**3212918**	50
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10
Lateral groove labeling			**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**		

N



6 (10) mm², 41 A, coupling, 2 to 10-pos.

Technical data

Width	Length	Height	
8.2 x No. of pos.	**47**	**24.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**1000**	**0.5 - 10**	**20 - 8**
IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
41 / 6	- / -	-	-
6	-	-	-
20 - 8	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

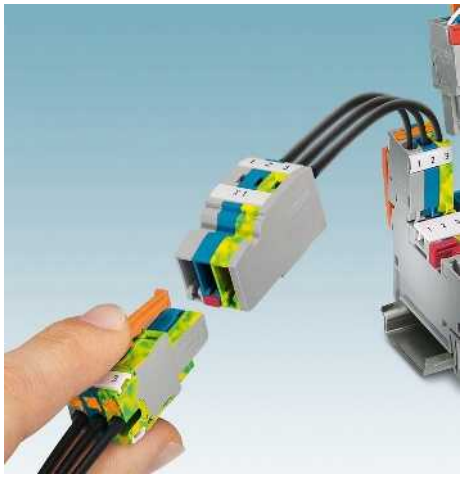
Type	Order No.	Pcs. / Pkt.
PPC 6/2	**3000693**	25
PPC 6/3	**3000694**	25
PPC 6/4	**3000695**	25
PPC 6/5	**3000697**	25
PPC 6/6	**3000698**	25
PPC 6/7	**3000699**	25
PPC 6/8	**3000700**	25
PPC 6/9	**3000701**	25
PPC 6/10	**3000702**	25

Accessories

D-PPC 6	**3000703**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PC	**3040588**	50
PZ/2	**3040627**	50
SZF 2-0,8X4,0	**1204520**	10

UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

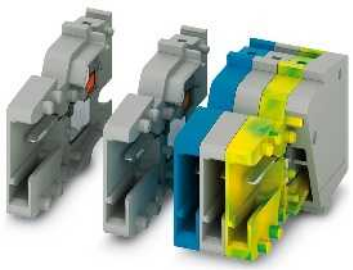
COMBI couplings with push-in connection for self-assembly



- For secure and space-saving accommodation of plug contacts in cable ducts and distributor shafts
- The push-in COMBI couplings for self-assembly provide solutions that users can implement themselves
- Robust cable housings for strain relief on connecting cables are available

Notes:

[1]) For derating curve, visit www.phoenixcontact.net/products



1.5 (1.5) mm², 17.5 A, coupling, for self-assembly

Technical data

Dimensions				
	[mm]	Width	Length	Height
		3.5	**27**	**17.8**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG
		17.5[1])	**500**	**0.14 - 1.5** **26 - 16**
Rated data		IEC 61984 IEC	UL/CUL	CSA IEC/ EN 60079-7
Rated voltage	[V]	500	600	600 -
Nominal current / cross section	[A] / [mm²]	17.5[1]) / 1.5	15 / -	15 / - -
Rated cross section	[mm²]	1.5	-	- -
Cross section range	AWG	26 - 16	26-14	26-14 -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI coupling, with push-in connection						
	1	3.5 mm	gray	**PPC 1,5/S/1-L**	**3213357**	50
	1	3.5 mm	blue	**PPC 1,5/S/1-L BU**	**3213360**	50
	1	3.5 mm	green-yellow	**PPC 1,5/S/1-L GNYE**	**3213373**	50
COMBI coupling, with push-in connection						
	1	8.2 mm	gray			
	1	8.2 mm	blue			
	1	8.2 mm	green/yellow			

Accessories

Cover, width 2.2 mm			gray	**D-PPC 1,5/S**	**3213690**	50
Test plug metal part, 2.3 mm Ø				**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part			red	**MPS-IH RD**	**0201676**	10
Cable housing, for PP-H 1,5... and PPC 1,5... 3-pos.			gray	**PH 1,5/S/3**	**3212756**	50
	4		gray	**PH 1,5/S/4**	**3212769**	50
	5		gray	**PH 1,5/S/5**	**3212772**	50
	6		gray	**PH 1,5/S/6**	**3212785**	25
	7		gray	**PH 1,5/S/7**	**3212798**	25
	8		gray	**PH 1,5/S/8**	**3212808**	25
	9		gray	**PH 1,5/S/9**	**3212811**	25
	10		gray	**PH 1,5/S/10**	**3212824**	25
	11		gray	**PH 1,5/S/11**	**3212837**	10
	12		gray	**PH 1,5/S/12**	**3212840**	10
	13		gray	**PH 1,5/S/13**	**3212853**	10
	14		gray	**PH 1,5/S/14**	**3212866**	10
	15		gray	**PH 1,5/S/15**	**3212879**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks			red	**PC**	**3040588**	50
Strain relief, for plug and coupling 2-pos.			black	**PZ 1,5/S/2**	**3212918**	50
Screwdriver				**SZF 0-0,4X2,5**	**1204504**	10
Lateral groove labeling				**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**		

N



6 (10) mm², 41 A, coupling, for self-assembly

Technical data

Width	Length	Height	
8.2	**47**	**24.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**1000**	**0.5 - 10**	**20 - 8**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
41 / 6	-	-	-
6	-	-	-
20 - 8	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PPC 6/1-L	**3000690**	50
PPC 6/1-L BU	**3000691**	50
PPC 6/1-L GNYE	**3000692**	50

Accessories

D-PPC 6	**3000703**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PC	**3040588**	50
PZ/2	**3040627**	50
SZF 2-0,8X4,0	**1204520**	10

UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

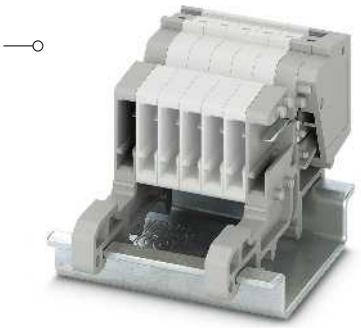
COMBI couplings with push-in connection for self-assembly, for DIN rail mounting



– The couplings with push-in connection for DIN rail mounting offer the optimum solution for applications where only a low design height is available
– The terminal blocks are snapped onto the PPC... free-hanging couplings as modules and can be used both on NS 15 and NS 35 DIN rails

Notes:

[1]) For derating curve, visit www.phoenixcontact.net/products



1.5 (1.5) mm², 17.5 A, coupling for DIN rail mounting

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**3.5**	**43**	**28.3**
Dimensions		Width	Length	Height NS 15
	[mm]	**3.5**	**43**	**28.3**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG
		17.5[1])	**500**	**0.14 - 1.5** **26 - 16**
Rated data		IEC 61984 IEC	UL/CUL	CSA IEC/ EN 60079-7
Rated voltage	[V]	500	600	600 -
Nominal current / cross section	[A] / [mm²]	17.5[1]) / 1.5	15 / -	15 / - -
Rated cross section	[mm²]	1.5	-	- -
Cross section range	AWG	26 - 16	26-14	26-14 -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5 0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]			
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5 0.34 - 1
General data				
Stripping length	[mm]	8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

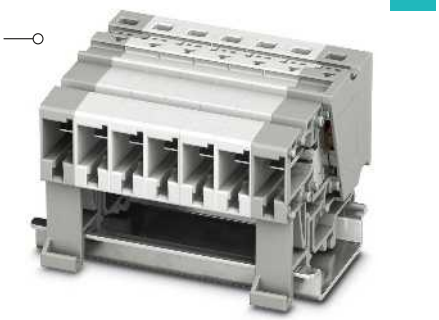
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
COMBI coupling, with push-in connection, for mounting on NS 35 or NS 15 DIN rail	gray	**PPC 1,5/S-NS/1-L**	**3213700**	50

Accessories

Cover, width 2.2 mm	gray	**D-PPC 1,5/S**	**3213690**	50
Test plug metal part, 2.3 mm Ø		**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50
Strain relief, for plug and coupling 2-pos.	black	**PZ 1,5/S/2**	**3212918**	50
Screwdriver		**SZF 0-0,4X2,5**	**1204504**	10
Lateral groove labeling		**UCT-TMF 3,5 or ZBF 3,5 (see Catalog 5)**		

N



6 (10) mm², 41 A, coupling for DIN rail mounting

Technical data

Width	Length	Height NS 35/7,5	
8.2	**27**	**38**	
Width	Length	Height NS 15	
8.2	**27**	**38**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**1000**	**0.5 - 10**	**20 - 8**
IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
41 / 6	- / -	-	-
6	-	-	-
20 - 8	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6 0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PPC 6-NS/1-L	**3000689**	50

Accessories

D-PPC 6	**3000703**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PC	**3040588**	50
PZ/2	**3040627**	50
SZF 2-0,8X4,0	**1204520**	10

UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

COMBI couplings with spring-cage connection

– For secure and space-saving accommodation of plug contacts in cable ducts and distributor shafts
– Standard strain relief can be used
– Test hole in every coupling disc, to accommodate a test plug with a 2.3 mm diameter

Notes:

[1]) For derating curve, visit www.phoenixcontact.net/products



2.5 (4) mm², 24 A, coupling, 2 to 15-pos.



4 (6) mm², 32 A, coupling, 2 to 15-pos.

Technical data

Dimensions		Width	Length	Height	
	[mm]	**5.2 x No. of pos.**	**37.2**	**18.8**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24[1])	**500**	**0.08 - 4**	**28 - 12**
Rated data		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	-	-
Nominal current / cross section	[A] / [mm²]	24[1]) / 2.5	20 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	26-12	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

		Width	Length	Height	
	[mm]	**6.2 x No. of pos.**	**48.6**	**22.3**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		32[1])	**800**	**0.08 - 6**	**28 - 12**
		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	32[1]) / 4	30 / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	28 - 12	28-10	-	-
		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
COMBI coupling, with a spring-cage connection					
	2	gray	**SC 2,5/ 2**	**3041312**	50
	3	gray	**SC 2,5/ 3**	**3042269**	50
	4	gray	**SC 2,5/ 4**	**3042272**	50
	5	gray	**SC 2,5/ 5**	**3042285**	50
	6	gray	**SC 2,5/ 6**	**3042298**	25
	7	gray	**SC 2,5/ 7**	**3041367**	25
	8	gray	**SC 2,5/ 8**	**3042308**	25
	9	gray	**SC 2,5/ 9**	**3041383**	25
	10	gray	**SC 2,5/10**	**3042311**	25
	11	gray	**SC 2,5/11**	**3041406**	10
	12	gray	**SC 2,5/12**	**3042324**	10
	13	gray	**SC 2,5/13**	**3041422**	10
	14	gray	**SC 2,5/14**	**3041435**	10
	15	gray	**SC 2,5/15**	**3041448**	10
COMBI coupling, with a spring-cage connection					
	2	gray	**SC 4/ 2**	**3042450**	50
	3	gray	**SC 4/ 3**	**3042463**	50
	4	gray	**SC 4/ 4**	**3042476**	50
	5	gray	**SC 4/ 5**	**3042489**	50
	6	gray	**SC 4/ 6**	**3042492**	25
	7	gray	**SC 4/ 7**	**3042502**	25
	8	gray	**SC 4/ 8**	**3042515**	25
	9	gray	**SC 4/ 9**	**3042528**	25
	10	gray	**SC 4/10**	**3042531**	25
	11	gray	**SC 4/11**	**3042544**	10
	12	gray	**SC 4/12**	**3042557**	10
	13	gray	**SC 4/13**	**3042560**	10
	14	gray	**SC 4/14**	**3042573**	10
	15	gray	**SC 4/15**	**3042586**	10

Accessories

Test plug metal part, 2.3 mm Ø		**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Strain relief, for SPDB... plug and SC 2,5... coupling 2-pos.	black	**PDZ/2**	**3040562**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50
Lateral groove labeling		**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		

Accessories

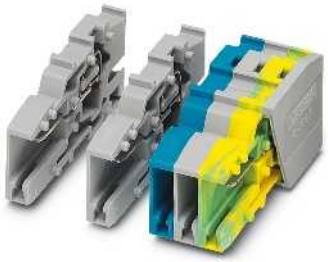
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
CZ/2	**3043831**	50
PC	**3040588**	50
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)		

COMBI couplings with spring-cage connection for self-assembly

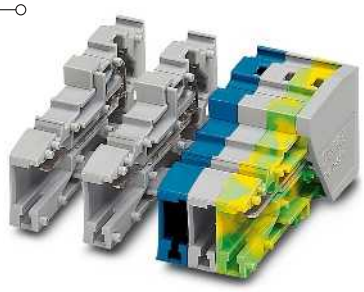
– The ST-COMBI couplings for self-assembly provide solutions that users can implement themselves
– The coupling is assembled directly on site by snapping together single-position coupling elements

Notes:

[1]) For derating curve, visit www.phoenixcontact.net/products



2.5 (4) mm², 24 A, coupling, for self-assembly



4 (6) mm², 32 A, coupling, for self-assembly

Technical data

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**37.2**	**21.8**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24[1])	**500**	**0.08 - 4**	**28 - 12**
Rated data		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	-	-
Nominal current / cross section	[A] / [mm²]	24[1]) / 2.5	20 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	26-12	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI coupling, with a spring-cage connection						
	1	5.2 mm	gray	**SC 2,5/ 1-L**	**3042188**	50
	1	5.2 mm	blue	**SC 2,5/ 1-L BU**	**3042191**	50
	1	5.2 mm	green-yellow	**SC 2,5/ 1-L GNYE**	**3042201**	50
COMBI coupling, with a spring-cage connection						
	1	6.2 mm	gray	**SC 4/ 1-L**	**3042599**	50
	1	6.2 mm	blue	**SC 4/ 1-L BU**	**3042609**	50
	1	6.2 mm	green-yellow	**SC 4/ 1-L GNYE**	**3042612**	50

Accessories

Cover, width 2.2 mm	gray	**D-SC 2,5**	**3042243**	50	**D-SC 4**	**3043307**	50
Insulation stop sleeve, cross section range:							
0.25 - 0.5 mm²	gray				**ISH 4/0,5**	**3002885**	50
0.75 - 1 mm²	black				**ISH 4/1,0**	**3002898**	50
Test plug metal part, 2.3 mm Ø		**MPS-MT**	**0201744**	10	**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10	**MPS-IH RD**	**0201676**	10
Strain relief, for SPDB... plug and SC 2,5... coupling 2-pos.	black	**PDZ/2**	**3040562**	50	**CZ/2**	**3043831**	50
4-pos.	black	**PDZ/4**	**3040575**	50			
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50	**PC**	**3040588**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10	**SZF 1-0,6X3,5**	**1204517**	10
Lateral groove labeling		**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			**UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)**		

COMBI couplings with a spring-cage connection for direct mounting



- COMBI coupling for direct mounting
- Using an engagement pin, these couplings can be plugged directly into the pre-drilled or punched mounting plate
- To ensure a secure fit, the bore holes must be burr-free

Notes:

[1]) For derating curve, visit www.phoenixcontact.net/products



2.5 (4) mm², 24 A, coupling with engagement pins, 2 to 15-pos.

Technical data

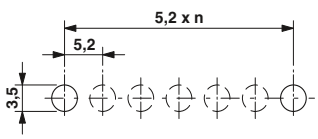
Dimensions				
	[mm]	Width	Length	Height
		5.2 x No. of pos.	**37.2**	**21.8**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		24[1])	**500**	**0.08 - 4 / 28 - 12**
Rated data		IEC 61984 IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	300	- / -
Nominal current / cross section	[A] / [mm²]	24[1]) / 2.5	20 / -	- / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	28 - 12	26-12	- / -
Connection capacity		solid	stranded	Ferrule / Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5
General data				
Stripping length	[mm]	10		
Plate thickness	[mm]	0.8 - 1.5		
Hole diameter	[mm]	3.5		
Drill hole spacing	[mm]	5.2		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
COMBI coupling, with a spring-cage connection, with engagement pins					
	2	gray	**SC 2,5-RZ/ 2**	**3041516**	50
	3	gray	**SC 2,5-RZ/ 3**	**3041529**	50
	4	gray	**SC 2,5-RZ/ 4**	**3041532**	50
	5	gray	**SC 2,5-RZ/ 5**	**3041545**	50
	6	gray	**SC 2,5-RZ/ 6**	**3041558**	25
	7	gray	**SC 2,5-RZ/ 7**	**3041561**	25
	8	gray	**SC 2,5-RZ/ 8**	**3041574**	25
	9	gray	**SC 2,5-RZ/ 9**	**3041590**	25
	10	gray	**SC 2,5-RZ/10**	**3041587**	25
	11	gray	**SC 2,5-RZ/11**	**3041600**	10
	12	gray	**SC 2,5-RZ/12**	**3041613**	10
	13	gray	**SC 2,5-RZ/13**	**3041626**	10
	14	gray	**SC 2,5-RZ/14**	**3041639**	10

Accessories

Strain relief, for SPDB... plug and SC 2,5... coupling 2-pos.		black	**PDZ/2**	**3040562**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	**PC**	**3040588**	50
Lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		



Drilling plan example: 1 x SC 2.5-RZ/ 6

COMBI couplings with a spring-cage connection for self-assembly for direct mounting

– Types for self-assembly offer the option of direct mounting
– Using an engagement pin, these couplings can be plugged directly into the pre-drilled or punched mounting plate
– To ensure a secure fit, the bore holes must be burr-free

Notes:

[1]) For derating curve, visit www.phoenixcontact.net/products



2.5 (4) mm², 24 A, coupling with engagement pins, for self-assembly

Technical data

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**37.2**	**21.8**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24[1])	**500**	**0.08 - 4**	**28 - 12**
Rated data		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	-	-
Nominal current / cross section	[A] / [mm²]	24[1]) / 2.5	20 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	26-12	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Plate thickness	[mm]	0.8 - 1.5			
Hole diameter	[mm]	3.5			
Drill hole spacing	[mm]	5.2			
Insulating material		PA			
Inflammability class according to UL 94		V0			

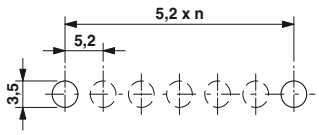
Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI coupling, with a spring-cage connection, with engagement pins						
	1	5.2 mm	gray	**SC 2,5-RZ/ 1-L**	**3042214**	50
	1	5.2 mm	blue	**SC 2,5-RZ/ 1-L BU**	**3042227**	50
	1	5.2 mm	green-yellow	**SC 2,5-RZ/ 1-L GNYE**	**3042230**	50

Accessories

Cover, width 2.2 mm	gray	**D-SC 2,5**	**3042243**	50
Test plug metal part, 2.3 mm Ø		**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Strain relief, for SPDB... plug and SC 2,5... coupling 2-pos.	black	**PDZ/2**	**3040562**	50
4-pos.	black	**PDZ/4**	**3040575**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50

Lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**



Drilling plan example: 6 x SC 2.5-RZ/ 1-L

COMBI couplings with a spring-cage connection for direct mounting



- COMBI coupling for direct mounting
- Using an engagement pin, these couplings can be plugged directly into the pre-drilled or punched mounting plate
- To ensure a secure fit, the bore holes must be burr-free

Notes:

[1]) For derating curve, visit www.phoenixcontact.net/products



4 (6) mm², 32 A, coupling with engagement pins, 2 to 15-pos.

Technical data

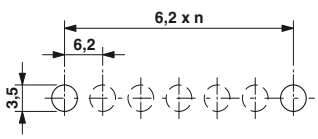
Dimensions				
	[mm]	Width	Length	Height
		6.2 x No. of pos.	**48.6**	**31**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		32[1])	**800**	**0.08 - 6 / 28 - 10**
Rated data		IEC 61984 IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	800	600	- / -
Nominal current / cross section	[A] / [mm²]	32[1]) / 4	30 / -	- / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	28 - 10	28-10	- / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4 / 0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 1
General data				
Stripping length	[mm]	10		
Plate thickness	[mm]	0.8 - 1.5		
Hole diameter	[mm]	3.5		
Drill hole spacing	[mm]	6.2		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
COMBI coupling, with a spring-cage connection, with engagement pins					
	2	gray	**SC 4-RZ/ 2**	**3042625**	50
	3	gray	**SC 4-RZ/ 3**	**3042638**	50
	4	gray	**SC 4-RZ/ 4**	**3042641**	50
	5	gray	**SC 4-RZ/ 5**	**3042654**	50
	6	gray	**SC 4-RZ/ 6**	**3042667**	25
	7	gray	**SC 4-RZ/ 7**	**3042670**	25
	8	gray	**SC 4-RZ/ 8**	**3042683**	25
	9	gray	**SC 4-RZ/ 9**	**3042696**	25
	10	gray	**SC 4-RZ/10**	**3042706**	25
	11	gray	**SC 4-RZ/11**	**3043323**	10
	12	gray	**SC 4-RZ/12**	**3043336**	10
	13	gray	**SC 4-RZ/13**	**3043349**	10
	14	gray	**SC 4-RZ/14**	**3043352**	10
	15	gray	**SC 4-RZ/15**	**3043365**	10

Accessories

Strain relief, for SC 4... coupling, 2-pos.	black	**CZ/2**	**3043831**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50
Lateral groove labeling		**UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)**		



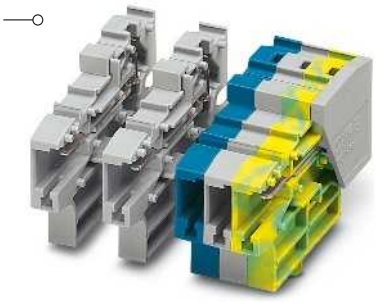
Drilling plan example: 1 x SC 4-RZ/ 6

COMBI couplings with a spring-cage connection for self-assembly for direct mounting

– Types for self-assembly offer the option of direct mounting
– Using an engagement pin, these couplings can be plugged directly into the pre-drilled or punched mounting plate
– To ensure a secure fit, the bore holes must be burr-free

Notes:

[1]) For derating curve, visit www.phoenixcontact.net/products



4 (6) mm², 32 A, coupling with engagement pins, for self-assembly

Technical data

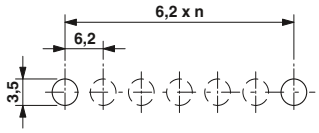
Dimensions		Width	Length	Height	
	[mm]	**6.2**	**48.6**	**31**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		32[1])	**800**	**0.08 - 6**	**28 - 10**
Rated data		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	32[1]) / 4	30 / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	28 - 10	28-10	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	10			
Plate thickness	[mm]	0.8 - 1.5			
Hole diameter	[mm]	3.5			
Drill hole spacing	[mm]	6.2			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI coupling, with a spring-cage connection, with engagement pins						
	1	6.2 mm	gray	**SC 4-RZ/ 1-L**	**3043378**	50
	1	6.2 mm	blue	**SC 4-RZ/ 1-L BU**	**3043381**	50
	1	6.2 mm	green-yellow	**SC 4-RZ/ 1-L GNYE**	**3043394**	50

Accessories

Cover	gray	**D-SC 4**	**3043307**	50
Insulation stop sleeve, cross section range:				
0.25 - 0.5 mm²	gray	**ISH 4/0,5**	**3002885**	50
0.75 - 1 mm²	black	**ISH 4/1,0**	**3002898**	50
Test plug metal part, 2.3 mm Ø		**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Strain relief, for SC 4... coupling, 2-pos.	black	**CZ/2**	**3043831**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50
Lateral groove labeling		**UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)**		



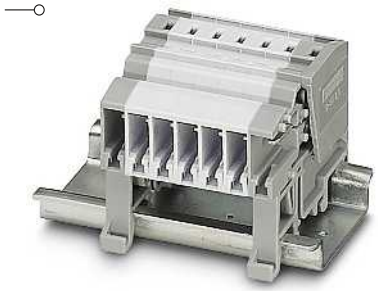
Drilling plan example: 6 x SC 4-RZ/ 1-L

COMBI couplings for self-assembly DIN rail mounting

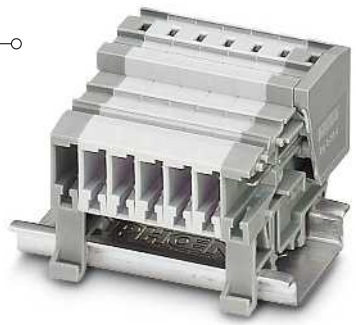
– The couplings with spring-cage connection for DIN rail mounting offer the optimum solution for applications where only a low design height is available
– The terminal blocks are snapped onto the SC... free-hanging couplings as modules and can be used both on NS 15 and NS 35 DIN rails

Notes:

[1]) For derating curve, visit www.phoenixcontact.net/products



2.5 (4) mm², 24 A, coupling for DIN rail mounting



4 (6) mm², 32 A, coupling for DIN rail mounting

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**43.5**	**34**	
Dimensions		Width	Length	Height NS 15	
	[mm]	**5.2**	**43.5**	**34**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24[1])	**500**	**0.08 - 4**	**28 - 12**
Rated data		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	-	-
Nominal current / cross section	[A] / [mm²]	24[1]) / 2.5	20 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	26-12	-	-
Connection capacity		solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
COMBI coupling, with a spring-cage connection for mounting on the NS 35 or NS 15 DIN rail	gray	**SC 2,5-NS/ 1-L**	**3042340**	50

Accessories

Cover, width 2.2 mm	gray	**D-SC 2,5**	**3042243**	50
Insulation stop sleeve, cross section range:				
0.08 - 0.2 mm²	white	**ISH 2,5/0,2**	**3002843**	50
0.25 - 0.5 mm²	gray	**ISH 2,5/0,5**	**3002856**	50
0.75 - 1 mm²	black	**ISH 2,5/1,0**	**3002869**	50
Test plug metal part, 2.3 mm Ø		**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Strain relief, for SPDB... plug and SC 2,5... coupling 2-pos.	black	**PDZ/2**	**3040562**	50
4-pos.	black	**PDZ/4**	**3040575**	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50
Screwdriver		**SZ 1-0,6X3,5**	**1204517**	10
Lateral groove labeling		**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		

Technical data

		Width	Length	Height NS 35/7,5	
		6.2	**48.6**	**35.6**	
		Width	Length	Height NS 15	
		6.2	**48.6**	**35.6**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		32[1])	**800**	**0.08 - 6**	**28 - 10**
		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
		800	600	-	-
		32[1]) / 4	30 / -	-	-
		4	-	-	-
		28 - 10	28-10	-	-
		solid	stranded	Ferrule	Without / with plastic sleeve
		0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
					0.5 - 1
		10			
		PA			
		V0			

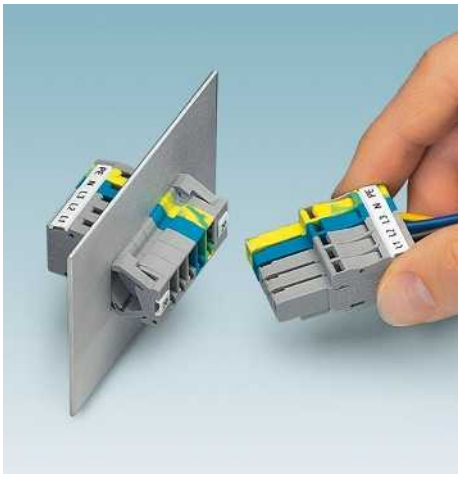
Ordering data

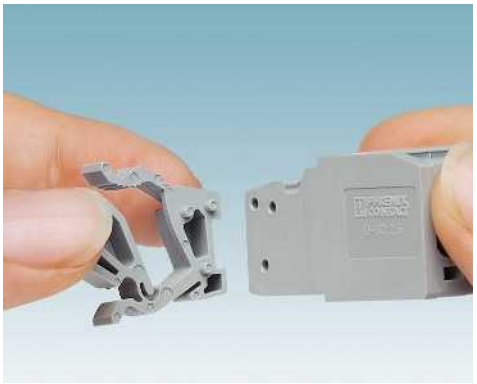
Type	Order No.	Pcs. / Pkt.
SC 4-NS/ 1-L	**3043404**	50

Accessories

D-SC 4	**3043307**	50
ISH 4/0,5	**3002885**	50
ISH 4/1,0	**3002898**	50
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
CZ/2	**3043831**	50
PC	**3040588**	50
SZ 1-0,6X3,5	**1204517**	10
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)		

Panel feed-through for COMBI couplings





Snapping the coupling onto the SSL 2,5 panel feed-through



Panel feed-through

- The panel feed-through can be used to securely fasten SC 2,5 and SC 4 free-hanging couplings in panel cutouts
- The panel feed-through elements are snapped onto the free-hanging couplings, and pushed into the panel cutout where they snap in automatically
- The coupling is finally fixed in placed by pressing shut the panel feed-through actuation lever
- Can be used for plate thicknesses of 0.8 mm to 3 mm

Making the panel cutout

- The panel cutout is easy to produce. The height of the rectangular cutout is always the same, and the length depends on the number of positions of the coupling. There is no longer any need for additional bore holes for fixing screws as in previously typical solutions.

Technical data

General data		
Plate thickness	[mm]	0.8 - 3
Section height	[mm]	16.6
Section width	[mm]	5.15 x number of positions + 13 (SC 2,5) 6.15 x number of positions + 14 (SC 4)
Insulating material		PA
Inflammability class according to UL 94		V0

Ordering data

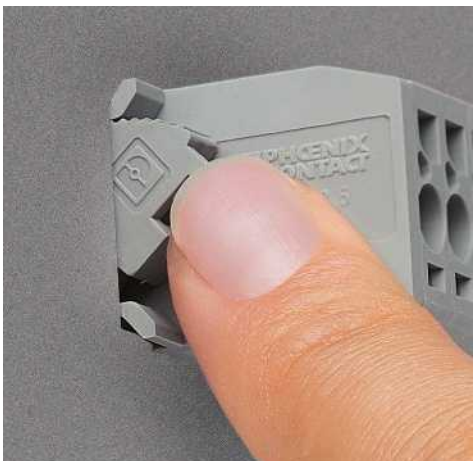
Description	Color	Type	Order No.	Pcs. / Pkt.
Panel feed-through, for snapping on to receptacles, 1 SSL 2,5 consists of a left-hand and a right-hand element, for metal thicknesses of 0.8 - 3 mm	gray	**SSL 2,5**	**3043815**	50

Accessories

Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10
Lateral groove labeling		**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		



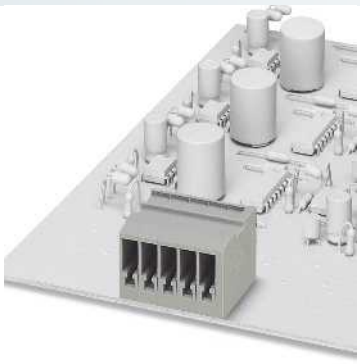
Mounting the coupling and SSL 2,5 in the panel cutout



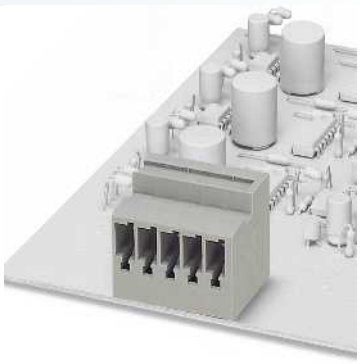
Fixing the coupling

COMBI base strips for PCB connection

– The pitch width of this base strip is matched to that of the COMBI plug
– Universal plug-in solutions from the DIN rail through to the device can be implemented with the same connector



2.5 (2.5) mm², 24 A, base strip, horizontal, 2 to 12-pos.



4 (4) mm², 32 A, base strip, horizontal, 2 to 12-pos.

Technical data

Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	24	**500**	**-**	**-**

Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
General data					
Hole diameter	[mm]	1.6			
Pin dimensions	[mm]	1 x 1			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
ST-COMBI coupling, plug-in direction horizontal to the PCB						
	2	10.4 mm	gray	**ST 2,5-PCB/ 2-G-5,2**	**1980378**	50
	3	15.6 mm	gray	**ST 2,5-PCB/ 3-G-5,2**	**1980381**	50
	4	20.8 mm	gray	**ST 2,5-PCB/ 4-G-5,2**	**1980394**	50
	5	26 mm	gray	**ST 2,5-PCB/ 5-G-5,2**	**1980404**	50
	6	31.2 mm	gray	**ST 2,5-PCB/ 6-G-5,2**	**1980417**	50
	7	36.4 mm	gray	**ST 2,5-PCB/ 7-G-5,2**	**1980420**	50
	8	41.6 mm	gray	**ST 2,5-PCB/ 8-G-5,2**	**1980433**	50
	9	46.8 mm	gray	**ST 2,5-PCB/ 9-G-5,2**	**1980446**	50
	10	52 mm	gray	**ST 2,5-PCB/10-G-5,2**	**1980459**	50
	11	57.2 mm	gray	**ST 2,5-PCB/11-G-5,2**	**1980462**	50
	12	62.4 mm	gray	**ST 2,5-PCB/12-G-5,2**	**1980475**	50

Accessories

Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50
Lateral groove labeling		**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		

Technical data

Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	32	**800**	**-**	**-**

Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	20 / -	-	-
Rated cross section	[mm²]	4	-	-	-
General data					
Hole diameter	[mm]	2			
Pin dimensions	[mm]	1.2 x 1.3			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

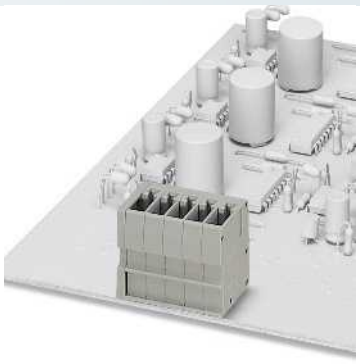
Type	Order No.	Pcs. / Pkt.
ST 4-PCB/ 2-G-6,2	**1980598**	50
ST 4-PCB/ 3-G-6,2	**1980608**	50
ST 4-PCB/ 4-G-6,2	**1980611**	50
ST 4-PCB/ 5-G-6,2	**1980624**	50
ST 4-PCB/ 6-G-6,2	**1980637**	50
ST 4-PCB/ 7-G-6,2	**1980640**	50
ST 4-PCB/ 8-G-6,2	**1980653**	50
ST 4-PCB/ 9-G-6,2	**1980666**	50
ST 4-PCB/10-G-6,2	**1980679**	50
ST 4-PCB/11-G-6,2	**1980682**	50
ST 4-PCB/12-G-6,2	**1980695**	50

Accessories

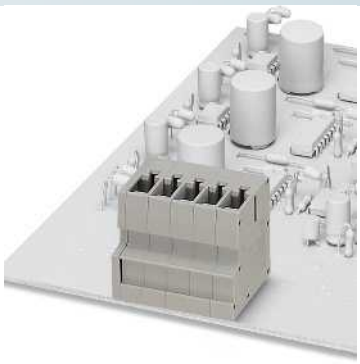
PC	**3040588**	50
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)		

COMBI base strips for PCB connection

– The pitch width of this base strip is matched to that of the COMBI plug
– Universal plug-in solutions from the DIN rail through to the device can be implemented with the same connector



2.5 (2.5) mm², 24 A, base strip, vertical, 2 to 12-pos.



4 (4) mm², 32 A, base strip, vertical, 2 to 12-pos.

Technical data

Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	24	**500**	**-**	**-**

Rated data	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	300	-	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	15 / -	-	-
Rated cross section [mm²]	2.5	-	-	-
General data				
Hole diameter [mm]	1.6			
Pin dimensions [mm]	1 x 1			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**800**	**-**	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	-	-
32 / 4	20 / -	-	-
4	-	-	-
2			
1.2 x 1.3			
PA			
V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
ST-COMBI coupling, plug-in direction vertical to the PCB						
	2	10.4 mm	gray	**ST 2,5-PCBV/ 2-G-5,2**	**1980488**	50
	3	15.6 mm	gray	**ST 2,5-PCBV/ 3-G-5,2**	**1980491**	50
	4	20.8 mm	gray	**ST 2,5-PCBV/ 4-G-5,2**	**1980501**	50
	5	26 mm	gray	**ST 2,5-PCBV/ 5-G-5,2**	**1980514**	50
	6	31.2 mm	gray	**ST 2,5-PCBV/ 6-G-5,2**	**1980527**	50
	7	36.4 mm	gray	**ST 2,5-PCBV/ 7-G-5,2**	**1980530**	50
	8	41.6 mm	gray	**ST 2,5-PCBV/ 8-G-5,2**	**1980543**	50
	9	46.8 mm	gray	**ST 2,5-PCBV/ 9-G-5,2**	**1980556**	50
	10	52 mm	gray	**ST 2,5-PCBV/10-G-5,2**	**1980569**	50
	11	57.2 mm	gray	**ST 2,5-PCBV/11-G-5,2**	**1980572**	50
	12	62.4 mm	gray	**ST 2,5-PCBV/12-G-5,2**	**1980585**	50

Ordering data

Type	Order No.	Pcs. / Pkt.
ST 4-PCBV/ 2-G-6,2	**1980705**	50
ST 4-PCBV/ 3-G-6,2	**1980718**	50
ST 4-PCBV/ 4-G-6,2	**1980721**	50
ST 4-PCBV/ 5-G-6,2	**1980734**	50
ST 4-PCBV/ 6-G-6,2	**1980747**	50
ST 4-PCBV/ 7-G-6,2	**1980750**	50
ST 4-PCBV/ 8-G-6,2	**1980763**	50
ST 4-PCBV/ 9-G-6,2	**1980776**	50
ST 4-PCBV/10-G-6,2	**1980789**	50
ST 4-PCBV/11-G-6,2	**1980792**	50
ST 4-PCBV/12-G-6,2	**1980802**	50

Accessories

				Type	Order No.	Pcs. / Pkt.
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks			red	**PC**	**3040588**	50
Lateral groove labeling				**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		

Accessories

Type	Order No.	Pcs. / Pkt.
PC	**3040588**	50
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)		

COMBI plugs with a screw connection



– Just like the basic terminal blocks, the connectors also offer the right connection method for every application
– Extensive, optional snap-on accessories available
– Practical coding facility
– Large labeling option
– The screw plugs can be combined with COMBI terminal blocks with all forms of connection technology and are available in two versions

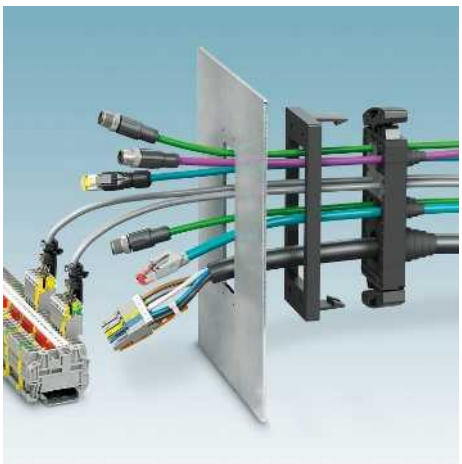
UPBV ... plugs

– Bridgeable with FBS ... standard bridges
– Lateral conductor connection
– Screw actuation from above
– The connected conductors can be passed directly into the cable duct to save space

UP ... plugs

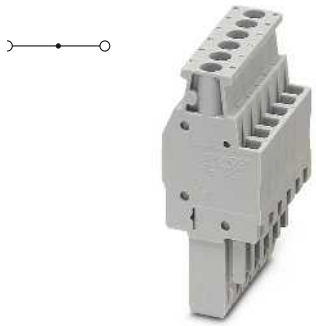
– Screw actuation from the side
– Conductor connected from above
– The connector design enables a space-saving potential distribution by using four-conductor terminal blocks with 2 slots

Cable entry system



– The CES cable entry system (see Catalog 4) enables the easy and space-saving installation of pre-assembled cables with IP54/IP65 protection in the control cabinet, see figure below

Notes:
For further accessories, see page 428.
For more plug-in bridges, see page 472.
1) For derating curve, visit www.phoenixcontact.net/products



2.5 (4) mm², 24 A, plug, connection at a right angle to the plug-in direction, can be bridged

Technical data

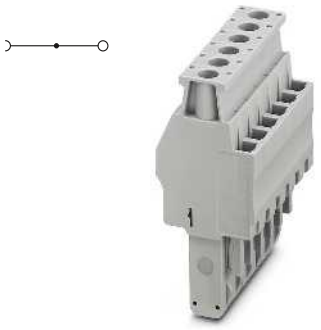
Dimensions				
	[mm]	Width	Length	Height	Height when plugged in
		5.2 x No. of pos.	**20.5**	**47**	**32.2**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24¹)	**500**	**0.14 - 4**	**26 - 12**
Rated data		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	-	-
Nominal current / cross section	[A] / [mm²]	24¹) / 2.5	20 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	26 - 12	26-12	-	-
Connection capacity		solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

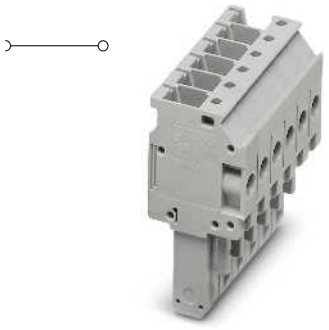
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
COMBI plug, with a screw connection						
	1	gray	**UPBV 2,5/ 1**		**3045145**	50
	2	gray	**UPBV 2,5/ 2**		**3045402**	50
	3	gray	**UPBV 2,5/ 3**		**3045415**	50
	4	gray	**UPBV 2,5/ 4**		**3045428**	50
	5	gray	**UPBV 2,5/ 5**		**3045431**	50
	6	gray	**UPBV 2,5/ 6**		**3045444**	25
	7	gray	**UPBV 2,5/ 7**		**3045457**	25
	8	gray	**UPBV 2,5/ 8**		**3045460**	25
	9	gray	**UPBV 2,5/ 9**		**3045473**	25
	10	gray	**UPBV 2,5/10**		**3045499**	25
	11	gray	**UPBV 2,5/11**		**3045509**	10
	12	gray	**UPBV 2,5/12**		**3045512**	10
	13	gray	**UPBV 2,5/13**		**3045525**	10
	14	gray	**UPBV 2,5/14**		**3045538**	10
	15	gray	**UPBV 2,5/15**		**3045541**	10
	1	blue	**UPBV 2,5/ 1 BU**		**3045240**	50
	1	green-yellow	**UPBV 2,5/ 1 GNYE**		**3045253**	50

Accessories

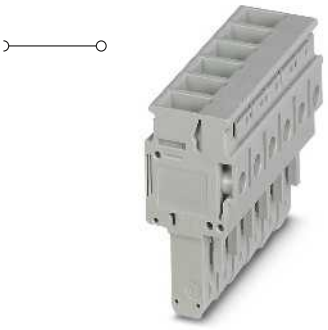
Plug-in bridge					
	2	red	**FBS 2-5**	20 A	**3030161**	50
	3	red	**FBS 3-5**	20 A	**3030174**	50
	4	red	**FBS 4-5**	20 A	**3030187**	50
	5	red	**FBS 5-5**	20 A	**3030190**	50
	10	red	**FBS 10-5**	20 A	**3030213**	10
Strain relief, for UPBV... connectors, 2-pos.		black	**UPZ/ 2**		**3045554**	50
Latching, for connectors, 1-pos.		orange				
2-pos.		orange	**UPR/ 2**		**3045567**	50
Latching and strain relief, for UPBV.... connectors, 2-pos.		orange	**UPRZ**		**3045570**	50
Screw flange cover, for UPBV 2,5 and UPBV 4 COMBI plugs		gray	**DF-UPBV 2,5/ 4**		**3060432**	50
Lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			



4 (6) mm², 32 A, plug, connection at a right angle to the plug-in direction, can be bridged



4 (6) mm², 32 A, plug, connection in plug-in direction, cannot be bridged



6 (10) mm², 41 A, plug, connection in plug-in direction

Technical data

Width	Length	Height	Height when plugged in
6.2 x No. of pos.	**22**	**48.5**	**32.2**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32[1])	**800**	**0.14 - 6**	**26 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
32[1]) / 4	30 / -	30	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UPBV 4/ 1		**3045800**	50
UPBV 4/ 2		**3045813**	50
UPBV 4/ 3		**3045826**	50
UPBV 4/ 4		**3045839**	50
UPBV 4/ 5		**3045842**	50
UPBV 4/ 6		**3045855**	25
UPBV 4/ 7		**3045868**	25
UPBV 4/ 8		**3045871**	25
UPBV 4/ 9		**3045884**	25
UPBV 4/10		**3045897**	25
UPBV 4/11		**3045907**	10
UPBV 4/12		**3045910**	10
UPBV 4/13		**3045923**	10
UPBV 4/14		**3045936**	10
UPBV 4/15		**3045949**	10
UPBV 4/ 1 BU		**3045266**	50
UPBV 4/ 1 GNYE		**3045279**	50

Accessories

FBS 2-6	27 A	**3030336**	50
FBS 3-6	27 A	**3030242**	50
FBS 4-6	27 A	**3030255**	50
FBS 5-6	27 A	**3030349**	50
FBS 10-6	27 A	**3030271**	10
UPZ/ 2		**3045554**	50
UPR/ 2		**3045567**	50
UPRZ		**3045570**	50
DF-UPBV 2,5/ 4		**3060432**	50

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height	Height when plugged in
6.2 x No. of pos.	**21**	**41.2**	**24.8**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32[1])	**800**	**0.14 - 6**	**24 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
32[1]) / 4	30 / -	30	-
4	-	-	-
24 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UP 4/ 1	**3060115**	50
UP 4/ 2	**3060128**	50
UP 4/ 3	**3060131**	50
UP 4/ 4	**3060144**	50
UP 4/ 5	**3060157**	50
UP 4/ 6	**3060160**	25
UP 4/ 7	**3060173**	25
UP 4/ 8	**3060186**	25
UP 4/ 9	**3060199**	25
UP 4/10	**3060209**	25
UP 4/11	**3060212**	10
UP 4/12	**3060225**	10
UP 4/13	**3060238**	10
UP 4/14	**3060241**	10
UP 4/15	**3060254**	10
UP 4/ 1 BU	**3045282**	50
UP 4/ 1 GNYE	**3045295**	50

Accessories

PZ/2	**3040627**	50
PR	**3040559**	50
PR/2	**3040630**	50
PRZ	**3040614**	50
DF-UP 4	**3060348**	50

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height	Height when plugged in
8.2 x No. of pos.	**21**	**42.7**	**26**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41[1])	**1000**	**0.2 - 10**	**24 - 8**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
41[1]) / 6	40 / -	-	-
6	-	-	-
24 - 8	24-8	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

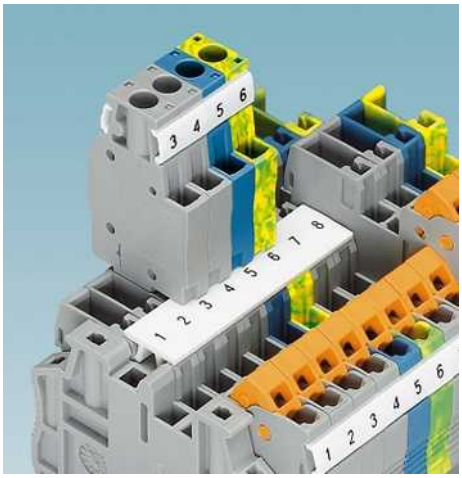
Type	Order No.	Pcs. / Pkt.
UP 6/ 1	**3060610**	50
UP 6/ 2	**3060623**	50
UP 6/ 3	**3060636**	50
UP 6/ 4	**3060649**	50
UP 6/ 5	**3060652**	25
UP 6/ 6	**3060665**	25
UP 6/ 7	**3060678**	25
UP 6/ 8	**3060681**	25
UP 6/ 9	**3060694**	25
UP 6/10	**3060704**	25
UP 6/ 1 BU	**3060717**	50
UP 6/ 1 GNYE	**3060720**	50

Accessories

PZ/2	**3040627**	50
PR	**3040559**	50
PR/2	**3040630**	50
PRZ	**3040614**	50
DF-UP 6	**3060856**	50

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

COMBI plugs with screw connection for self-assembly



- The COMBI plugs for self-assembly provide solutions that users can implement themselves
- The connectors are snapped together from one-position plug elements directly on site
- The screw plugs can be combined with COMBI terminal blocks with all forms of connection technology and are available in two versions

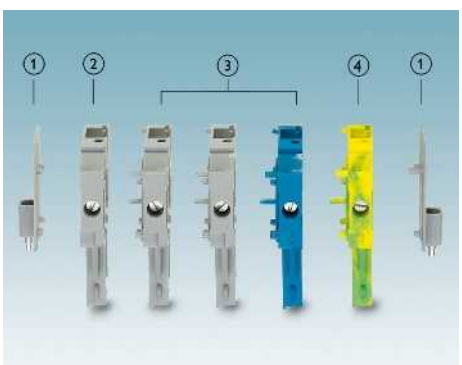
UPBV ... plugs

- Bridgeable with FBS ... standard bridges
- Lateral conductor connection
- Screw actuation from above
- The connected conductors can be passed directly into the cable duct to save space

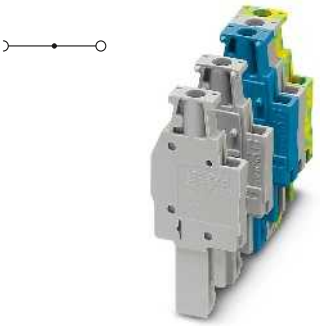
UP ... plugs

- Screw actuation from the side
- Conductor connected from above
- The connector design enables a space-saving potential distribution by using four-conductor terminal blocks with 2 slots
- The plug is assembled directly on site by snapping together single-position plug elements. See below for an example of how these go together.

① DF-UP 6
② UP 6/1-L
③ UP 6/1-M and UP 6/1-M BU
④ UP 6/1-R GNYE



Notes:
For further accessories, see page 428.
[1]) For derating curve, visit www.phoenixcontact.net/products



2.5 (4) mm², 24 A, plug, connection at a right angle to the plug-in direction, can be bridged

Technical data

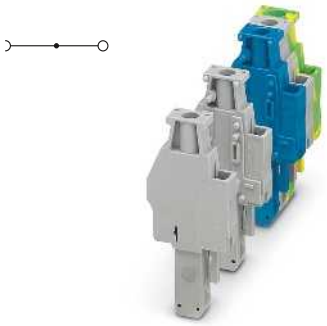
Dimensions				
	[mm]	Width	Length	Height	Height when plugged in
		5.2 x No. of pos.	**20.5**	**47**	**32.2**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24[1])	**500**	**0.14 - 4**	**26 - 12**
Rated data		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	-	-
Nominal current / cross section	[A] / [mm²]	24[1]) / 2.5	20 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	26 - 12	26-12	-	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
Two conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

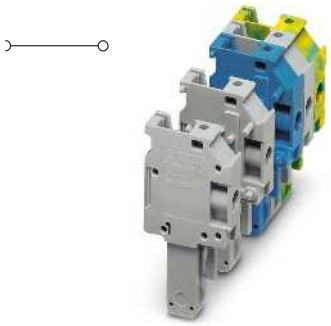
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
COMBI plug, with a screw connection, left element						
	1	gray	**UPBV 2,5/ 1-L**		**3045318**	50
	1	blue	**UPBV 2,5/ 1-L BU**		**3045321**	50
	1	green-yellow	**UPBV 2,5/ 1-L GNYE**		**3045334**	50
COMBI plug, with a screw connection, center element						
	1	gray	**UPBV 2,5/ 1-M**		**3045347**	50
	1	blue	**UPBV 2,5/ 1-M BU**		**3045350**	50
	1	green-yellow	**UPBV 2,5/ 1-M GNYE**		**3045363**	50
COMBI plug, with a screw connection, right element						
	1	gray	**UPBV 2,5/ 1-R**		**3045376**	50
	1	blue	**UPBV 2,5/ 1-R BU**		**3045389**	50
	1	green-yellow	**UPBV 2,5/ 1-R GNYE**		**3045392**	50

Accessories

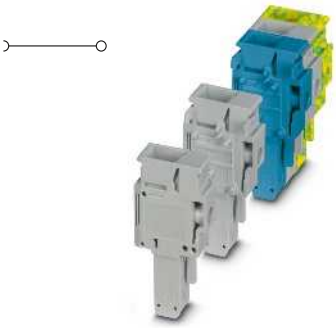
Plug-in bridge						
	2	red	**FBS 2-5**	20 A	**3030161**	50
	3	red	**FBS 3-5**	20 A	**3030174**	50
	4	red	**FBS 4-5**	20 A	**3030187**	50
	5	red	**FBS 5-5**	20 A	**3030190**	50
	10	red	**FBS 10-5**	20 A	**3030213**	10
	20	red	**FBS 20-5**	20 A	**3030226**	10
Latching and strain relief, for UPBV.... connectors, 2-pos.		orange	**UPRZ**		**3045570**	50
Latching, for connectors, 1-pos.		orange				
2-pos.		orange	**UPR/ 2**		**3045567**	50
Strain relief, for UPBV... connectors, 2-pos.		black	**UPZ/ 2**		**3045554**	50
Screw flange cover, for UPBV 2,5 and UPBV 4 COMBI plugs		gray	**DF-UPBV 2,5/ 4**		**3060432**	50
Lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			



4 (6) mm², 32 A, plug, connection at a right angle to the plug-in direction, can be bridged



4 (6) mm², 32 A, plug, connection in plug-in direction, cannot be bridged



6 (10) mm², 41 A, plug, connection in plug-in direction

Technical data

Width	Length	Height	Height when plugged in
6.2 x No. of pos.	**22**	**48.5**	**32.2**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32[1])	**800**	**0.14 - 6**	**26 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
32[1]) / 4	30 / -	30	-
4	-	-	-
26 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UPBV 4/ 1-L		**3045716**	50
UPBV 4/ 1-L BU		**3045729**	50
UPBV 4/ 1-L GNYE		**3045732**	50
UPBV 4/ 1-M		**3045745**	50
UPBV 4/ 1-M BU		**3045758**	50
UPBV 4/ 1-M GNYE		**3045761**	50
UPBV 4/ 1-R		**3045774**	50
UPBV 4/ 1-R BU		**3045787**	50
UPBV 4/ 1-R GNYE		**3045790**	50

Accessories

FBS 2-6	27 A	**3030336**	50
FBS 3-6	27 A	**3030242**	50
FBS 4-6	27 A	**3030255**	50
FBS 5-6	27 A	**3030349**	50
FBS 10-6	27 A	**3030271**	10
FBS 20-6	27 A	**3030365**	10
UPRZ		**3045570**	50
UPR/ 2		**3045567**	50
UPZ/ 2		**3045554**	50
DF-UPBV 2,5/ 4		**3060432**	50

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height	Height when plugged in
6.2 x No. of pos.	**21**	**41.2**	**24.8**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32[1])	**800**	**0.14 - 6**	**24 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
32[1]) / 4	30 / -	30	-
4	-	-	-
24 - 10	26-10	26-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
			0.5 - 1.5
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UP 4/ 1-L	**3060021**	50
UP 4/ 1-L BU	**3060034**	50
UP 4/ 1-L GNYE	**3060047**	50
UP 4/ 1-M	**3060050**	50
UP 4/ 1-M BU	**3060063**	50
UP 4/ 1-M GNYE	**3060076**	50
UP 4/ 1-R	**3060089**	50
UP 4/ 1-R BU	**3060092**	50
UP 4/ 1-R GNYE	**3060102**	50

Accessories

PRZ	**3040614**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50
DF-UP 4	**3060348**	50

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Technical data

Width	Length	Height	Height when plugged in
8.2 x No. of pos.	**21**	**42.7**	**26**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41[1])	**1000**	**0.2 - 10**	**24 - 8**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
41[1]) / 6	40 / -	-	-
6	-	-	-
24 - 8	24-8	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
10			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

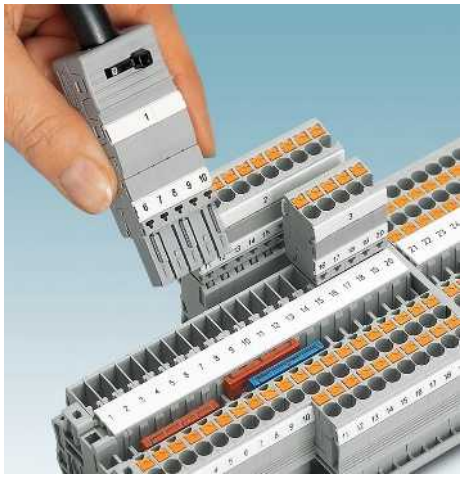
Type	Order No.	Pcs. / Pkt.
UP 6/ 1-L	**3060733**	50
UP 6/ 1-L BU	**3060746**	50
UP 6/ 1-L GNYE	**3060759**	50
UP 6/ 1-M	**3060762**	50
UP 6/ 1-M BU	**3060775**	50
UP 6/ 1-M GNYE	**3060788**	50
UP 6/ 1-R	**3060791**	50
UP 6/ 1-R BU	**3060801**	50
UP 6/ 1-R GNYE	**3060814**	50

Accessories

PRZ	**3040614**	50
PR	**3040559**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50
DF-UP 6	**3060856**	50

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

COMBI plugs with push-in connection

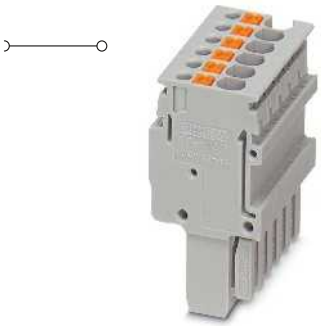


- Extensive, optional snap-on accessories available
- Practical coding facility
- Large labeling option
- Robust cable housings for strain relief on connecting cables are available

Notes:

For more cable housings, see page 433.

[1]) For derating curve, visit www.phoenixcontact.net/products



1.5 (1.5) mm², 17.5 A, plug, connection in plug-in direction

Technical data

Dimensions		Width	Length	Height	Height when plugged in
	[mm]	**3.5 x No. of pos.**	**16.5**	**31.3**	**19.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		17.5[1])	**500**	**0.14 - 1.5**	**26 - 14**
Rated data		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5[1]) / 1.5	15 / -	15 / -	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	26 - 14	26-14	26-14	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
Two stranded conductors with a TWIN ferrule	[mm²]				
Direct plug-in connection cross sections	[mm²]	0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
General data					
Stripping length	[mm]	8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

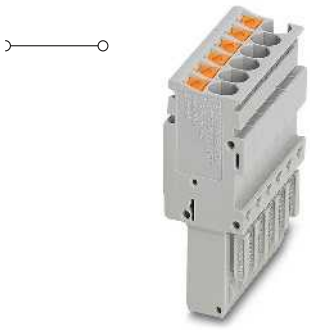
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
COMBI plug, with push-in connection					
	1	gray	**PP-H 1,5/S/1**	**3212484**	50
	2	gray	**PP-H 1,5/S/2**	**3212510**	50
	3	gray	**PP-H 1,5/S/3**	**3212523**	50
	4	gray	**PP-H 1,5/S/4**	**3212536**	50
	5	gray	**PP-H 1,5/S/5**	**3212549**	50
	6	gray	**PP-H 1,5/S/6**	**3212552**	25
	7	gray	**PP-H 1,5/S/7**	**3212565**	25
	8	gray	**PP-H 1,5/S/8**	**3212578**	25
	9	gray	**PP-H 1,5/S/9**	**3212581**	25
	10	gray	**PP-H 1,5/S/10**	**3212594**	25
	11	gray	**PP-H 1,5/S/11**	**3212604**	10
	12	gray	**PP-H 1,5/S/12**	**3212617**	10
	13	gray	**PP-H 1,5/S/13**	**3212620**	10
	14	gray	**PP-H 1,5/S/14**	**3212633**	10
	15	gray	**PP-H 1,5/S/15**	**3212646**	10
	1	blue	**PP-H 1,5/S/1 BU**	**3212497**	50
	1	green-yellow	**PP-H 1,5/S/1 GNYE**	**3212507**	50

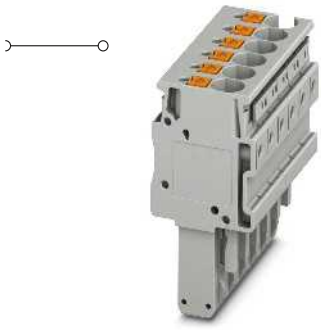
Accessories

Test plug metal part, 2.3 mm Ø		**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ 1,5/S**	**3212905**	50
Latching, for connectors, 1-pos.	orange	**PR 1,5/S**	**3212882**	50
2-pos.	orange	**PR 1,5/S/2**	**3212895**	50
Strain relief, for plug and coupling 2-pos.	black	**PZ 1,5/S/2**	**3212918**	50
4-pos.	black	**PZ/4**	**3040643**	50
Screw flange cover, for SP-H ... and PP-H ... COMBI plugs	gray			
Cable housing, for PP-H 1,5... and PPC 1,5...	gray	**PH 1,5/S/3**	**3212756**	50
Screwdriver		**SZF 0-0,4X2,5**	**1204504**	10
Lateral groove labeling		**ZBF 3,5 (see Catalog 5)**		

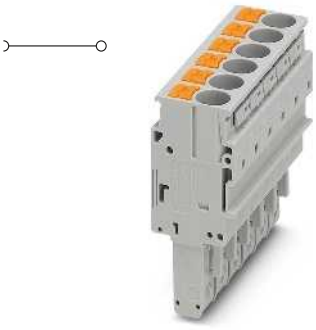
N



2.5 (4) mm², 24 A, plug, connection in plug-in direction



4 (6) mm², 32 A, plug, connection in plug-in direction



6 (10) mm², 41 A, plug, connection in plug-in direction

Technical data

Width	Length	Height	Height when plugged in
5.2 x No. of pos.	**15.8**	**39**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24[1])	**500**	**0.14 - 4**	**26 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
24[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Technical data

Width	Length	Height	Height when plugged in
6.2 x No. of pos.	**21**	**42.3**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32[1])	**800**	**0.2 - 6**	**24 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	-	-	-
32[1]) / 4	- / -	-	-
4	-	-	-
24 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Technical data

Width	Length	Height	Height when plugged in
8.2 x No. of pos.	**21**	**49.3**	**31.2**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41[1])	**1000**	**0.5 - 10**	**20 - 8**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
41[1]) / 6	40 / -	-	-
6	-	-	-
20 - 8	20-8	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
			0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PP-H 2,5/ 1	**3209866**	50
PP-H 2,5/ 2	**3209879**	50
PP-H 2,5/ 3	**3209882**	50
PP-H 2,5/ 4	**3209895**	50
PP-H 2,5/ 5	**3209905**	50
PP-H 2,5/ 6	**3209918**	25
PP-H 2,5/ 7	**3209921**	25
PP-H 2,5/ 8	**3209934**	25
PP-H 2,5/ 9	**3209947**	25
PP-H 2,5/10	**3209950**	25
PP-H 2,5/11	**3209963**	10
PP-H 2,5/12	**3209976**	10
PP-H 2,5/13	**3209989**	10
PP-H 2,5/14	**3209992**	10
PP-H 2,5/15	**3210004**	10
PP-H 2,5/ 1 BU	**3210017**	50
PP-H 2,5/ 1 GNYE	**3210020**	50

Ordering data

Type	Order No.	Pcs. / Pkt.
PP-H 4/ 1	**3212010**	50
PP-H 4/ 2	**3212016**	50
PP-H 4/ 3	**3212022**	50
PP-H 4/ 4	**3212029**	50
PP-H 4/ 5	**3212035**	50
PP-H 4/ 6	**3212041**	25
PP-H 4/ 7	**3212048**	25
PP-H 4/ 8	**3212054**	25
PP-H 4/ 9	**3212061**	25
PP-H 4/10	**3212067**	25
PP-H 4/11	**3212074**	10
PP-H 4/12	**3212080**	10
PP-H 4/13	**3212087**	10
PP-H 4/14	**3212093**	10
PP-H 4/15	**3212100**	10
PP-H 4/ 1 BU	**3212077**	50
PP-H 4/ 1 GNYE	**3212088**	50

Ordering data

Type	Order No.	Pcs. / Pkt.
PP-H 6/ 1	**3061541**	50
PP-H 6/ 2	**3061570**	50
PP-H 6/ 3	**3061583**	50
PP-H 6/ 4	**3061596**	50
PP-H 6/ 5	**3061606**	50
PP-H 6/ 6	**3061619**	25
PP-H 6/ 7	**3061622**	25
PP-H 6/ 8	**3061635**	25
PP-H 6/ 9	**3061648**	25
PP-H 6/10	**3061651**	25
PP-H 6/ 1 BU	**3061554**	50
PP-H 6/ 1 GNYE	**3061567**	50

Accessories

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRZ	**3040614**	50
PR	**3040559**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50
DF-SP-H 2,5	**3209824**	50
PH 2,5/ 2	**3209691**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Accessories

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRZ	**3040614**	50
PR	**3040559**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50
PH 4/2	**3000734**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

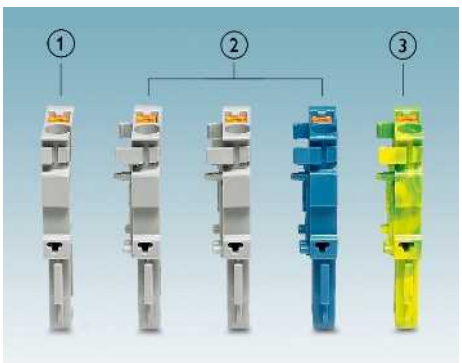
Accessories

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRZ	**3040614**	50
PR	**3040559**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50
PH 6/2	**3000680**	25
SZF 2-0,8X4,0	**1204520**	10

UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

COMBI plugs with push-in connection for self-assembly

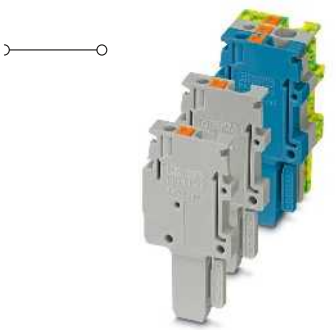
– The push-in COMBI plugs for self-assembly provide solutions that users can implement themselves
– Robust cable housings for strain relief on connecting cables are available
– The plug is assembled directly on site by snapping together single-position plug elements. See below for an example of how these go together.
① PP−H 1,5/S/1-L
② PP−H 1,5/S/1-M and PP−H 1,5/S/1-M BU
③ PP−H 1,5/S/1-R GNYE



Notes:

For more cable housings, see page 433.

[1]) For derating curve, visit www.phoenixcontact.net/products



1.5 (1.5) mm², 17.5 A, plug, connection in plug-in direction

Technical data

Dimensions	Width	Length	Height	Height when plugged in
[mm]	**3.5 x No. of pos.**	**16.5**	**31.3**	**19.5**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	17.5[1])	**500**	**0.14 - 1.5**	**26 - 14**
Rated data	IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	17.5[1]) / 1.5	15 / -	15	-
Rated cross section [mm²]	1.5	-	-	-
Cross section range AWG	26 - 14	26-14	26-14	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
Two stranded conductors with a TWIN ferrule [mm²]				
Direct plug-in connection cross sections [mm²]	0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
General data				
Stripping length [mm]	8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

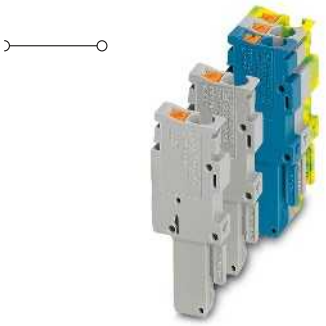
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
COMBI plug, with push-in connection, non-bridgeable, left element					
	1	gray	**PP-H 1,5/S/1-L**	**3212659**	50
	1	blue	**PP-H 1,5/S/1-L BU**	**3212662**	50
	1	green-yellow	**PP-H 1,5/S/1-L GNYE**	**3212675**	50
COMBI plug, with push-in connection, not bridgeable, middle element					
	1	gray	**PP-H 1,5/S/1-M**	**3212688**	50
	1	blue	**PP-H 1,5/S/1-M BU**	**3212691**	50
	1	green-yellow	**PP-H 1,5/S/1-M GNYE**	**3212701**	50
COMBI plug, with push-in connection, not bridgeable, right element					
	1	gray	**PP-H 1,5/S/1-R**	**3212714**	50
	1	blue	**PP-H 1,5/S/1-R BU**	**3212727**	50
	1	green-yellow	**PP-H 1,5/S/1-R GNYE**	**3212730**	50

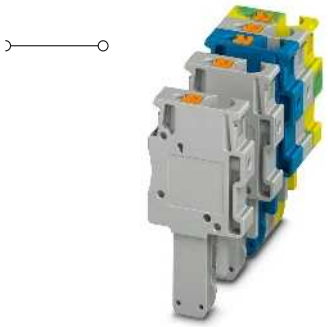
Accessories

Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.		orange	**PRZ 1,5/S**	**3212905**	50
Latching, for connectors, 1-pos.		orange	**PR 1,5/S**	**3212882**	50
2-pos.		orange	**PR 1,5/S/2**	**3212895**	50
Strain relief, for plug and coupling 2-pos.		black	**PZ 1,5/S/2**	**3212918**	50
4-pos.		black	**PZ/4**	**3040643**	50
Screw flange cover, for SP-H ... and PP-H ... COMBI plugs		gray			
Cable housing, for COMBI plugs SP-H ... and PP-H ..., 2-pos.		gray			
Cable housing, for PP-H 1,5... and PPC 1,5... 3-pos.		gray	**PH 1,5/S/3**	**3212756**	50
4-pos.		gray	**PH 1,5/S/4**	**3212769**	50
5-pos.		gray	**PH 1,5/S/5**	**3212772**	50
Screwdriver			**SZF 0-0,4X2,5**	**1204504**	10
Lateral groove labeling			**ZBF 3,5 (see Catalog 5)**		

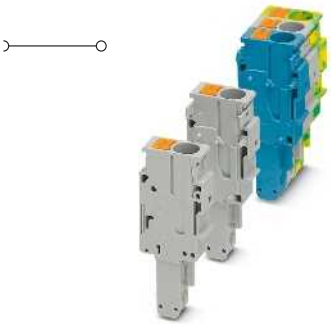
N



2.5 (4) mm², 24 A, plug, connection in plug-in direction



4 (6) mm², 32 A, plug, connection in plug-in direction



6 (10) mm², 41 A, plug, connection in plug-in direction

Technical data

Width	Length	Height	Height when plugged in
5.2 x No. of pos.	**15.8**	**39**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24[1])	**500**	**0.14 - 4**	**26 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
24[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
26 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
10			
PA			
V0			

Technical data

Width	Length	Height	Height when plugged in
6.2 x No. of pos.	**21**	**42.3**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32[1])	**800**	**0.2 - 6**	**24 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	-	-	-
32[1]) / 4	- / -	-	-
4	-	-	-
24 - 10	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
			0.5 - 1
0.5 - 6	-	0.5 - 4	0.5 - 4
12			
PA			
V0			

Technical data

Width	Length	Height	Height when plugged in
8.2 x No. of pos.	**21**	**49.3**	**31.2**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41[1])	**1000**	**0.5 - 10**	**20 - 8**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
41[1]) / 6	40 / -	-	-
6	-	-	-
20 - 8	20-8	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
			0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
PP-H 2,5/1-L	**3210062**	50
PP-H 2,5/1-L BU	**3210075**	50
PP-H 2,5/1-L GNYE	**3210088**	50
PP-H 2,5/1-M	**3210091**	50
PP-H 2,5/1-M BU	**3210101**	50
PP-H 2,5/1-M GNYE	**3210114**	50
PP-H 2,5/1-R	**3210127**	50
PP-H 2,5/1-R BU	**3210130**	50
PP-H 2,5/1-R GNYE	**3210143**	50

Ordering data

Type	Order No.	Pcs. / Pkt.
PP-H 4/ 1-L	**3211948**	50
PP-H 4/ 1-L BU	**3211951**	50
PP-H 4/ 1-L GNYE	**3211958**	50
PP-H 4/ 1-M	**3211965**	50
PP-H 4/ 1-M BU	**3211964**	50
PP-H 4/ 1-M GNYE	**3211971**	50
PP-H 4/ 1-R	**3211977**	50
PP-H 4/ 1-R BU	**3211980**	50
PP-H 4/ 1-R GNYE	**3211987**	50

Ordering data

Type	Order No.	Pcs. / Pkt.
PP-H 6/ 1-L	**3061664**	50
PP-H 6/ 1-L BU	**3061677**	50
PP-H 6/ 1-L GNYE	**3061680**	50
PP-H 6/ 1-M	**3061693**	50
PP-H 6/ 1-M BU	**3061703**	50
PP-H 6/ 1-M GNYE	**3061716**	50
PP-H 6/ 1-R	**3061729**	50
PP-H 6/ 1-R BU	**3061732**	50
PP-H 6/ 1-R GNYE	**3061745**	50

Accessories

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRZ	**3040614**	50
PR	**3040559**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50
DF-SP-H 2,5	**3209824**	50
PH 2,5/ 2	**3209691**	50
PH 2,5/ 3	**3209701**	50
PH 2,5/ 4	**3209714**	50
PH 2,5/ 5	**3209727**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Accessories

PRZ	**3040614**	50
PR	**3040559**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50
PH 4/2	**3000734**	50
PH 4/3	**3000736**	50
PH 4/4	**3000737**	50
PH 4/5	**3000738**	50
SZF 1-0,6X3,5	**1204517**	10

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Accessories

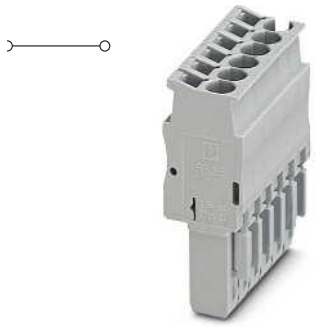
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRZ	**3040614**	50
PR	**3040559**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50
PH 6/2	**3000680**	25
PH 6/3	**3000681**	25
PH 6/4	**3000682**	25
PH 6/5	**3000683**	25
SZF 2-0,8X4,0	**1204520**	10

UC-TMF 8, UCT-TMF 8 or ZBF 8 (see Catalog 5)

COMBI plugs with a spring-cage connection

- Just like the basic terminal blocks, the connectors also offer the right connection method for every application
- The SP 2,5/... and SP 4/... plugs are designed for connecting one conductor
- Practical coding facility
- Large labeling option
- Extensive, optional snap-on accessories available
- Cable housings can be snapped onto the SP-H ... plugs; see figure below

Notes:
For further accessories, see page 428.
For more cable housings, see page 433.
The SP-H 2,5/... plug allows the PH 2,5... cable housing to be used; see page 433.
1) For derating curve, visit www.phoenixcontact.net/products



2.5 (4) mm², 24 A, plug, connection in plug-in direction

Technical data

Dimensions	Width	Length	Height	Height when plugged in
[mm]	**5.2 x No. of pos.**	**15.8**	**39**	**24**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	24[1])	**500**	**0.08 - 4**	**28 - 12**
Rated data	IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	300	-
Nominal current / cross section [A] / [mm²]	24[1]) / 2.5	20 / -	20 / -	-
Rated cross section [mm²]	2.5	-	-	-
Cross section range AWG	28 - 12	28-12	24-12	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class according to UL 94	V0			

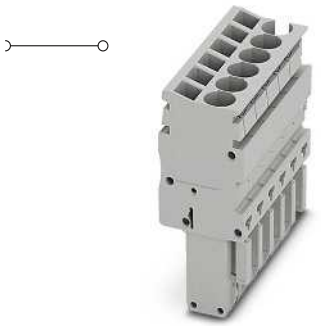
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
COMBI plug, with a spring-cage connection					
	1	gray	**SP 2,5/ 1**	**3040258**	50
	2	gray	**SP 2,5/ 2**	**3040261**	50
	3	gray	**SP 2,5/ 3**	**3040274**	50
	4	gray	**SP 2,5/ 4**	**3040287**	50
	5	gray	**SP 2,5/ 5**	**3040290**	50
	6	gray	**SP 2,5/ 6**	**3040300**	25
	7	gray	**SP 2,5/ 7**	**3040313**	25
	8	gray	**SP 2,5/ 8**	**3040326**	25
	9	gray	**SP 2,5/ 9**	**3040339**	25
	10	gray	**SP 2,5/10**	**3040342**	25
	11	gray	**SP 2,5/11**	**3040355**	10
	12	gray	**SP 2,5/12**	**3040368**	10
	13	gray	**SP 2,5/13**	**3040371**	10
	14	gray	**SP 2,5/14**	**3040384**	10
	15	gray	**SP 2,5/15**	**3040397**	10
	1	blue	**SP 2,5/ 1 BU**	**3040698**	50
	1	green-yellow	**SP 2,5/ 1 GNYE**	**3040708**	50

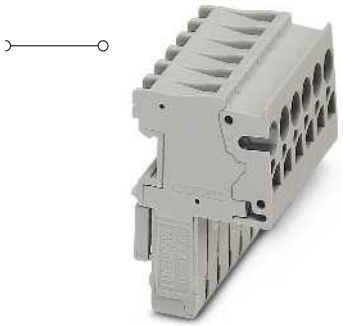
Accessories

Test plug metal part, 2.3 mm Ø				
Insulating sleeve, for MPS metal part	red			
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ**	**3040614**	50
Latching, for connectors, 1-pos.	orange	**PR**	**3040559**	50
2-pos.	orange	**PR/2**	**3040630**	50
Strain relief, for plugs, 2-pos.	black	**PZ/2**	**3040627**	50
4-pos.	black	**PZ/4**	**3040643**	50
Screw flange cover, for SP-H ... and PP-H ... COMBI plugs	gray			
Cable housing, for COMBI plugs SP-H ... and PP-H ...	gray			
Lateral groove labeling		**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		

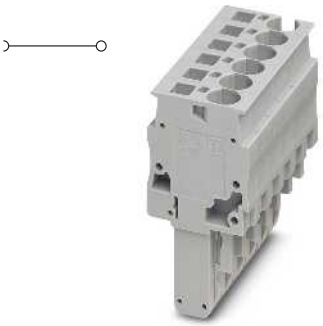




2.5 (4) mm², 24 A, plug, connection in plug-in direction



2.5 (4) mm², 24 A, plug, connection at a right angle to the plug-in direction



4 (6) mm², 32 A, plug, connection in plug-in direction

Technical data

Width	Length	Height	Height when plugged in
5.2 x No. of pos.	**15.8**	**39**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
24[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
SP-H 2,5/ 1	**3210619**	50
SP-H 2,5/ 2	**3210622**	50
SP-H 2,5/ 3	**3210635**	50
SP-H 2,5/ 4	**3210648**	50
SP-H 2,5/ 5	**3210651**	50
SP-H 2,5/ 6	**3210664**	25
SP-H 2,5/ 7	**3210677**	25
SP-H 2,5/ 8	**3210680**	25
SP-H 2,5/ 9	**3210693**	25
SP-H 2,5/10	**3210703**	25
SP-H 2,5/11	**3210716**	10
SP-H 2,5/12	**3210729**	10
SP-H 2,5/13	**3210732**	10
SP-H 2,5/14	**3210745**	10
SP-H 2,5/15	**3210758**	10
SP-H 2,5/ 1 BU	**3210761**	50
SP-H 2,5/ 1 GNYE	**3210774**	50

Accessories

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRZ	**3040614**	50
PR	**3040559**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50
PZ/4	**3040643**	50
DF-SP-H 2,5	**3209824**	50
PH 2,5/ 2	**3209691**	50

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height	Height when plugged in
5.2 x No. of pos.	**23.4**	**34**	**19**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	-	-
24[1]) / 2.5	20 / -	-	-
2.5	-	-	-
28 - 12	26-12	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
SPV 2,5/ 1	**3041710**	50
SPV 2,5/ 2	**3041723**	50
SPV 2,5/ 3	**3041736**	50
SPV 2,5/ 4	**3041749**	50
SPV 2,5/ 5	**3041752**	50
SPV 2,5/ 6	**3041765**	25
SPV 2,5/ 7	**3041778**	25
SPV 2,5/ 8	**3041781**	25
SPV 2,5/ 9	**3041794**	25
SPV 2,5/10	**3041804**	25
SPV 2,5/11	**3041817**	10
SPV 2,5/12	**3041820**	10
SPV 2,5/13	**3041833**	10
SPV 2,5/14	**3041846**	10
SPV 2,5/15	**3041859**	10
SPV 2,5/ 1 BU	**3061017**	50
SPV 2,5/ 1 GNYE	**3061020**	50

Accessories

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRV/2	**3041862**	50
PZ/2	**3040627**	50
PZ/4	**3040643**	50

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height	Height when plugged in
6.2 x No. of pos.	**21**	**41.5**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
32[1]) / 4	30 / -	30 / -	-
4	-	-	-
28 - 10	28-10	24-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Ordering data

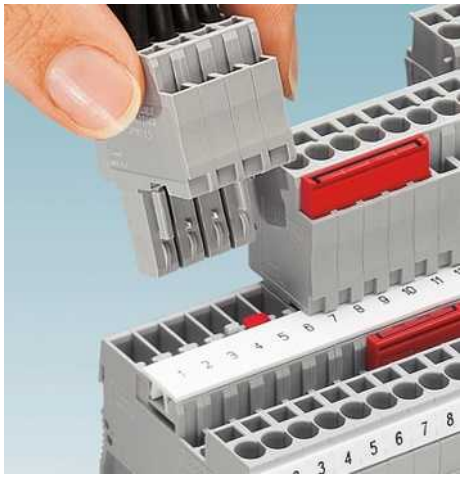
Type	Order No.	Pcs. / Pkt.
SP 4/ 1	**3042887**	50
SP 4/ 2	**3042890**	50
SP 4/ 3	**3042900**	50
SP 4/ 4	**3042926**	50
SP 4/ 5	**3042939**	50
SP 4/ 6	**3042942**	25
SP 4/ 7	**3042955**	25
SP 4/ 8	**3042968**	25
SP 4/ 9	**3042971**	25
SP 4/10	**3042984**	25
SP 4/11	**3042997**	10
SP 4/12	**3043006**	10
SP 4/13	**3043718**	10
SP 4/14	**3043721**	10
SP 4/15	**3043734**	10
SP 4/1 BU	**3061033**	50
SP 4/1 GNYE	**3061046**	50

Accessories

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRZ	**3040614**	50
PR	**3040559**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

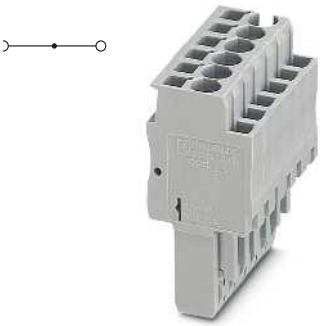
COMBI plugs with a spring-cage connection



- Connector with scope for bridging, for use with basic terminal blocks
- The SPB 2,5/... plug is designed for connecting one conductor and also provides an additional bridging facility
- The SPDB 2,5/... plug is designed for connecting two conductors and also provides an additional bridging facility

Notes:

[1]) For derating curve, visit www.phoenixcontact.net/products



2.5 (4) mm², 24 A, plug, connection in plug-in direction, bridgeable

Technical data

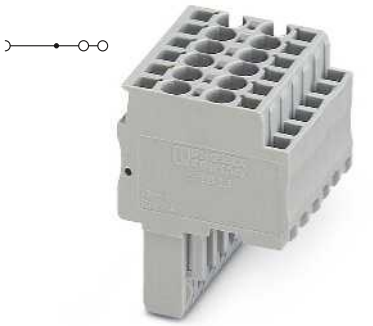
Dimensions	Width	Length	Height	Height when plugged in
[mm]	**5.2 x No. of pos.**	**20**	**39**	**24**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	24[1])	**500**	**0.08 - 4**	**28 - 12**
Rated data	IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	300	-
Nominal current / cross section [A] / [mm²]	24[1]) / 2.5	20 / -	20 / -	-
Rated cross section [mm²]	2.5	-	-	-
Cross section range AWG	28 - 12	28-12	24-12	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule [mm²]				0.5
General data				
Stripping length [mm]	10			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
COMBI plug, with a spring-cage connection						
	1	gray	**SPB 2,5/ 1**		**3040106**	50
	2	gray	**SPB 2,5/ 2**		**3040119**	50
	3	gray	**SPB 2,5/ 3**		**3040122**	50
	4	gray	**SPB 2,5/ 4**		**3040135**	50
	5	gray	**SPB 2,5/ 5**		**3040143**	50
	6	gray	**SPB 2,5/ 6**		**3040151**	25
	7	gray	**SPB 2,5/ 7**		**3040164**	25
	8	gray	**SPB 2,5/ 8**		**3040177**	25
	9	gray	**SPB 2,5/ 9**		**3040180**	25
	10	gray	**SPB 2,5/10**		**3040193**	25
	11	gray	**SPB 2,5/11**		**3040203**	10
	12	gray	**SPB 2,5/12**		**3040216**	10
	13	gray	**SPB 2,5/13**		**3040229**	10
	14	gray	**SPB 2,5/14**		**3040232**	10
	15	gray	**SPB 2,5/15**		**3040245**	10
	1	blue	**SPB 2,5/ 1 BU**		**3040724**	50
	1	green-yellow	**SPB 2,5/ 1 GNYE**		**3040711**	50

Accessories

Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.		orange	**PRZ**		**3040614**	50
Latching, for connectors, 1-pos.		orange	**PR**		**3040559**	50
2-pos.		orange	**PR/2**		**3040630**	50
Strain relief, for plugs, 2-pos.		black	**PZ/2**		**3040627**	50
4-pos.		black	**PZ/4**		**3040643**	50
Lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			



2.5 (4) mm², 24 A, plug, 2 connections in plug-in direction, bridgeable

Technical data

Width	Length	Height	Height when plugged in
5.2 x No. of pos.	**32.7**	**39**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	300	-
24[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	24-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Ordering data

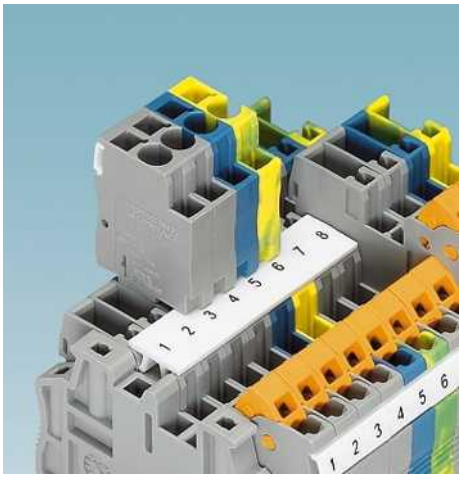
Type	I_{max}	Order No.	Pcs. / Pkt.
SPDB 2,5/ 1		**3040407**	50
SPDB 2,5/ 2		**3040410**	50
SPDB 2,5/ 3		**3040423**	50
SPDB 2,5/ 4		**3040436**	50
SPDB 2,5/ 5		**3040449**	50
SPDB 2,5/ 6		**3040452**	25
SPDB 2,5/ 7		**3040465**	25
SPDB 2,5/ 8		**3040478**	25
SPDB 2,5/ 9		**3040481**	25
SPDB 2,5/10		**3040494**	25
SPDB 2,5/11		**3040504**	10
SPDB 2,5/12		**3040517**	10
SPDB 2,5/13		**3040520**	10
SPDB 2,5/14		**3040533**	10
SPDB 2,5/15		**3040546**	10
SPDB 2,5/ 1 BU		**3040737**	50
SPDB 2,5/ 1 GNYE		**3040740**	50

Accessories

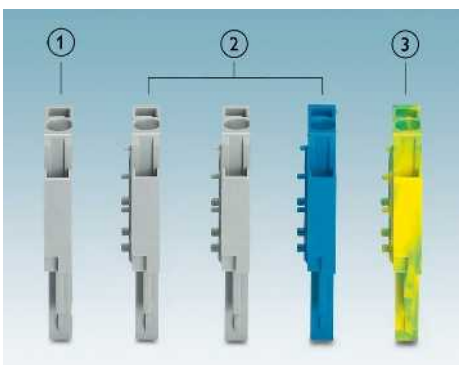
FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
PRZ		**3040614**	50
PR		**3040559**	50
PR/2		**3040630**	50
PDZ/2		**3040562**	50
PDZ/4		**3040575**	50

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

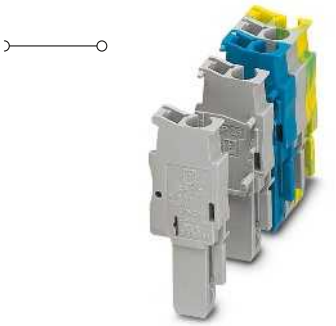
ST-COMBI plugs with spring-cage connection for self-assembly



- The ST-COMBI plugs for self-assembly provide solutions that users can implement themselves
- Cable housings can be snapped onto the SP-H ... plugs
- The plug with spring-cage connection is assembled directly on site by snapping together single-position plug elements. See below for an example of how these go together.
  ① SP 2,5/1-L
  ② SP 2,5/1-M and SP 2,5/1-M BU
  ③ SP 2,5/1-R GNYE



Notes:
For further accessories, see page 428.
For more cable housings, see page 433.
The SP-H 2,5/... plug supports the use of PH 2,5... cable housing, see page 433.
1) For derating curve, visit www.phoenixcontact.net/products



2.5 (4) mm², 24 A, plug, connection in plug-in direction

Technical data

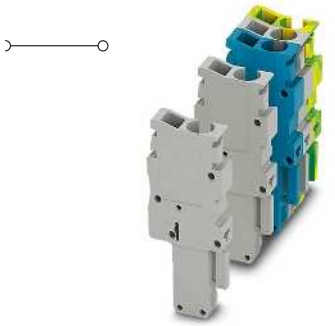
Dimensions		Width	Length	Height	Height when plugged in
	[mm]	**5.2 x No. of pos.**	**15.8**	**39**	**24**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24¹)	**500**	**0.08 - 4**	**28 - 12**
Rated data		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	24¹) / 2.5	20 / -	20 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	28-12	24-12	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

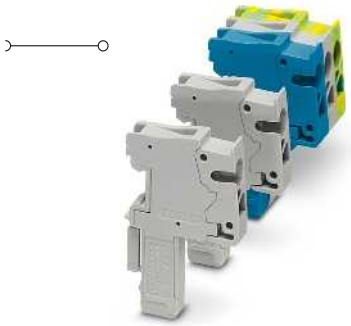
Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
COMBI plug, with a spring-cage connection, left element					
	1	gray	**SP 2,5/ 1-L**	**3043019**	50
	1	blue	**SP 2,5/ 1-L BU**	**3043022**	50
	1	green-yellow	**SP 2,5/ 1-L GNYE**	**3043035**	50
COMBI plug, with a spring-cage connection, center element					
	1	gray	**SP 2,5/ 1-M**	**3043043**	50
	1	blue	**SP 2,5/ 1-M BU**	**3043051**	50
	1	green-yellow	**SP 2,5/ 1-M GNYE**	**3043064**	50
COMBI plug, with a spring-cage connection, right element					
	1	gray	**SP 2,5/ 1-R**	**3043077**	50
	1	blue	**SP 2,5/ 1-R BU**	**3043080**	50
	1	green-yellow	**SP 2,5/ 1-R GNYE**	**3043093**	50

Accessories

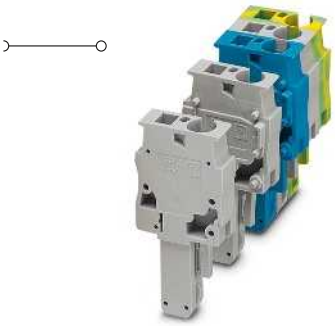
Test plug metal part, 2.3 mm Ø					
Insulating sleeve, for MPS metal part		red			
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.		orange	**PRZ**	**3040614**	50
Latching, for connectors, 1-pos.		orange	**PR**	**3040559**	50
2-pos.		orange	**PR/2**	**3040630**	50
Strain relief, for plugs, 2-pos.		black	**PZ/2**	**3040627**	50
4-pos.		black	**PZ/4**	**3040643**	50
Screw flange cover, for SP-H ... and PP-H ... COMBI plugs		gray			
Cable housing, for COMBI plugs SP-H ... and PP-H ..., 2-pos.		gray			
3-pos.		gray			
4-pos.		gray			
5-pos.		gray			
Lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		



2.5 (4) mm², 24 A, plug, connection in plug-in direction, cable housing can be snapped on



2.5 (4) mm², 24 A, plug, connection at a right angle to the plug-in direction



4 (6) mm², 32 A, plug, connection in plug-in direction

Technical data

Width	Length	Height	Height when plugged in
5.2 x No. of pos.	**15.8**	**39**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
24[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	26-12	26-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5 0.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
SP-H 2,5/ 1-L	**3210787**	50
SP-H 2,5/ 1-L BU	**3210790**	50
SP-H 2,5/ 1-L GNYE	**3210800**	50
SP-H 2,5/ 1-M	**3210813**	50
SP-H 2,5/ 1-M BU	**3210826**	50
SP-H 2,5/ 1-M GNYE	**3210839**	50
SP-H 2,5/ 1-R	**3210842**	50
SP-H 2,5/ 1-R BU	**3210855**	50
SP-H 2,5/ 1-R GNYE	**3210868**	50

Accessories

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRZ	**3040614**	50
PR	**3040559**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50
PZ/4	**3040643**	50
DF-SP-H 2,5	**3209824**	50
PH 2,5/ 2	**3209691**	50
PH 2,5/ 3	**3209701**	50
PH 2,5/ 4	**3209714**	50
PH 2,5/ 5	**3209727**	50

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height	Height when plugged in
5.2 x No. of pos.	**23.4**	**34**	**19**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	-	-
24[1]) / 2.5	20 / -	-	-
2.5	-	-	-
28 - 12	26-12	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
10			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
SPV 2,5/ 1-L	**3041024**	50
SPV 2,5/ 1-L BU	**3041037**	50
SPV 2,5/ 1-L GNYE	**3041040**	50
SPV 2,5/ 1-M	**3041053**	50
SPV 2,5/ 1-M BU	**3041066**	50
SPV 2,5/ 1-M GNYE	**3041079**	50
SPV 2,5/ 1-R	**3041082**	50
SPV 2,5/ 1-R BU	**3041095**	50
SPV 2,5/ 1-R GNYE	**3041105**	50

Accessories

MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRV/2	**3041862**	50
PZ/2	**3040627**	50
PZ/4	**3040643**	50

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height	Height when plugged in
6.2 x No. of pos.	**21**	**41.5**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32[1])	**800**	**0.08 - 6**	**28 - 10**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
32[1]) / 4	30 / -	30 / -	-
4	-	-	-
28 - 10	28-10	24-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4 0.5 - 1
10			
PA			
V0			

Ordering data

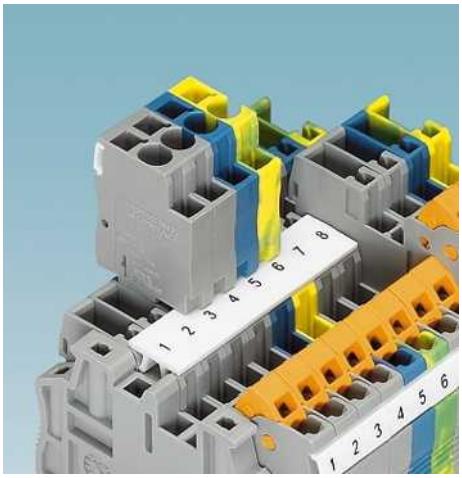
Type	Order No.	Pcs. / Pkt.
SP 4/ 1-L	**3042751**	50
SP 4/ 1-L BU	**3042764**	50
SP 4/ 1-L GNYE	**3042777**	50
SP 4/ 1-M	**3042780**	50
SP 4/ 1-M BU	**3042793**	50
SP 4/ 1-M GNYE	**3042803**	50
SP 4/ 1-R	**3042816**	50
SP 4/ 1-R BU	**3042829**	50
SP 4/ 1-R GNYE	**3042832**	50

Accessories

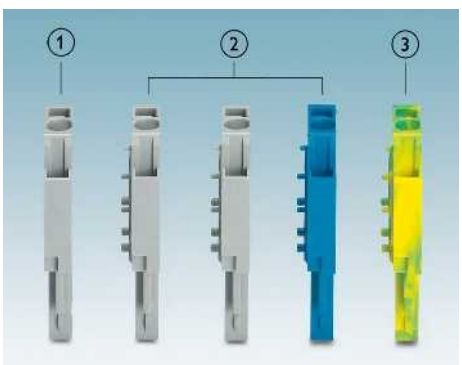
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PRZ	**3040614**	50
PR	**3040559**	50
PR/2	**3040630**	50
PZ/2	**3040627**	50

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

ST-COMBI plugs with spring-cage connection for self-assembly



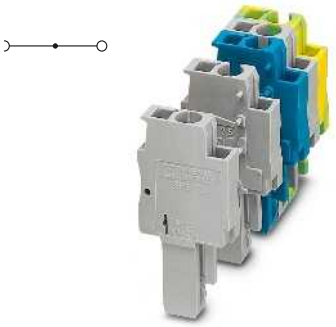
- The ST-COMBI plugs for self-assembly provide solutions that users can implement themselves
- Connector with scope for bridging, for use with basic terminal blocks
- The SPB 2,5/... plug is designed for connecting one conductor and also provides an additional bridging facility
- The SPDB 2,5/... plug is designed for connecting two conductors and also provides an additional bridging facility
- The plug with spring-cage connection is assembled directly on site by snapping together single-position plug elements. See below for an example of how these go together.
  ① SP 2,5/1-L
  ② SP 2,5/1-M and SP 2,5/1-M BU
  ③ SP 2,5/1-R GNYE



Notes:

For further accessories, see page 428.

[1]) For derating curve, visit www.phoenixcontact.net/products



2.5 (4) mm², 24 A, plug, connection in plug-in direction, bridgeable

Technical data

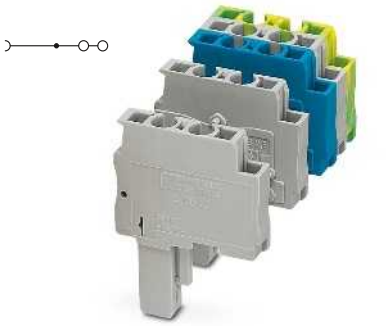
Dimensions		Width	Length	Height	Height when plugged in
	[mm]	**5.2 x No. of pos.**	**20**	**39**	**24**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24[1])	**500**	**0.08 - 4**	**28 - 12**
Rated data		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	24[1]) / 2.5	20 / -	20 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	28 - 12	28-12	24-12	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
Two stranded conductors with a TWIN ferrule	[mm²]				0.5
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
ST-COMBI plug, bridgeable, left element						
	1	gray	**SPB 2,5/ 1-L**		**3043103**	50
	1	blue	**SPB 2,5/ 1-L BU**		**3043116**	50
	1	green-yellow	**SPB 2,5/ 1-L GNYE**		**3043129**	50
ST-COMBI plug, bridgeable, center element						
	1	gray	**SPB 2,5/ 1-M**		**3043132**	50
	1	blue	**SPB 2,5/ 1-M BU**		**3043145**	50
	1	green-yellow	**SPB 2,5/ 1-M GNYE**		**3043158**	50
ST-COMBI plug, bridgeable, right element						
	1	gray	**SPB 2,5/ 1-R**		**3043161**	50
	1	blue	**SPB 2,5/ 1-R BU**		**3043174**	50
	1	green-yellow	**SPB 2,5/ 1-R GNYE**		**3043187**	50

Accessories

Plug-in bridge						
	2	red	**FBS 2-5**	24 A	**3030161**	50
	3	red	**FBS 3-5**	24 A	**3030174**	50
	4	red	**FBS 4-5**	24 A	**3030187**	50
	5	red	**FBS 5-5**	24 A	**3030190**	50
	10	red	**FBS 10-5**	24 A	**3030213**	10
	20	red	**FBS 20-5**	24 A	**3030226**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-5**		**3030983**	10
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.		orange	**PRZ**		**3040614**	50
Latching, for connectors, 1-pos.		orange	**PR**		**3040559**	50
2-pos.		orange	**PR/2**		**3040630**	50
Strain relief, for plugs, 2-pos.		black	**PZ/2**		**3040627**	50
4-pos.		black	**PZ/4**		**3040643**	50
Lateral groove labeling			**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**			



2.5 (4) mm², 24 A, plug, 2 connections in plug-in direction, bridgeable

Technical data

Width	Length	Height	Height when plugged in
5.2 x No. of pos.	**32.7**	**39**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24[1])	**500**	**0.08 - 4**	**28 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	300	-
24[1]) / 2.5	20 / -	20 / -	-
2.5	-	-	-
28 - 12	28-12	24-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
			0.5
10			
PA			
V0			

Ordering data

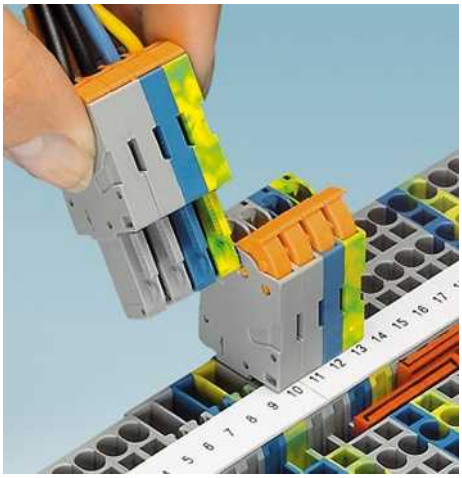
Type	I_{max}	Order No.	Pcs. / Pkt.
SPDB 2,5/ 1-L		**3043190**	50
SPDB 2,5/ 1-L BU		**3043200**	50
SPDB 2,5/ 1-L GNYE		**3043213**	50
SPDB 2,5/ 1-M		**3043226**	50
SPDB 2,5/ 1-M BU		**3043239**	50
SPDB 2,5/ 1-M GNYE		**3043242**	50
SPDB 2,5/ 1-R		**3043255**	50
SPDB 2,5/ 1-R BU		**3043268**	50
SPDB 2,5/ 1-R GNYE		**3043271**	50

Accessories

FBS 2-5	24 A	**3030161**	50
FBS 3-5	24 A	**3030174**	50
FBS 4-5	24 A	**3030187**	50
FBS 5-5	24 A	**3030190**	50
FBS 10-5	24 A	**3030213**	10
FBS 20-5	24 A	**3030226**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-5		**3030983**	10
PRZ		**3040614**	50
PR		**3040559**	50
PR/2		**3040630**	50
PDZ/2		**3040562**	50
PDZ/4		**3040575**	50

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

COMBI plugs with fast connection



- Just like the basic terminal blocks, the connectors also offer the right connection method for every application
- The QP 1,5/... fast connection connector is designed to connect solid and stranded conductors
- The conductor is connected using the familiar IDC rotation connection with no stripping, thus saving time

Notes:

For further accessories, see page 428.

[1]) For derating curve, visit www.phoenixcontact.net/products



1.5 (1.5) mm², 17.5 A, plug, connection in plug-in direction

Technical data

Dimensions	Width	Length	Height	Height when plugged in
[mm]	**5.2 x No. of pos.**	**20**	**40**	**24**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	17.5[1])	**500**	**0.25 - 1.5**	**24 - 16**

Rated data	IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	17.5[1]) / 1.5	10 / -	10 / -	-
Rated cross section [mm²]	1.5	-	-	-
Cross section range AWG	24 - 16	24-16	24-16	-
Connection cross section in acc. with DIN VDE 0295				
H05V(Z) / H07V(Z) [mm²]	0.5 - 1.5			
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm] [mm²]	0.25 - 0.34			
[Litz wires Ø ≥ 0.19 mm] AWG	24 - 16			
Frequency of connections with the same cross section	100			

General data	
Insulating material	PA
Inflammability class according to UL 94	V0

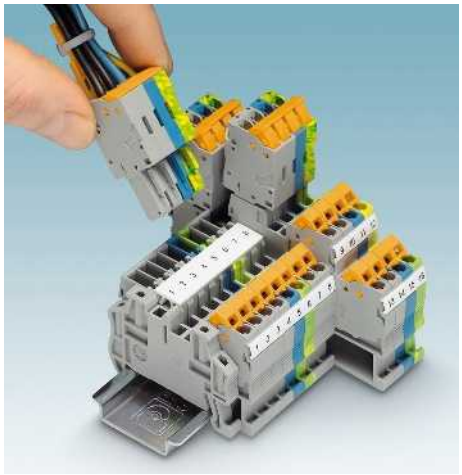
Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI plug, with fast connection						
	1	5.2 mm	gray	**QP 1,5/ 1**	**3051108**	50
	2	10.4 mm	gray	**QP 1,5/ 2**	**3051111**	50
	3	15.6 mm	gray	**QP 1,5/ 3**	**3051124**	50
	4	20.8 mm	gray	**QP 1,5/ 4**	**3051137**	50
	5	26 mm	gray	**QP 1,5/ 5**	**3051140**	50
	6	31.2 mm	gray	**QP 1,5/ 6**	**3051153**	25
	7	36.4 mm	gray	**QP 1,5/ 7**	**3051166**	25
	8	41.6 mm	gray	**QP 1,5/ 8**	**3051179**	25
	9	46.8 mm	gray	**QP 1,5/ 9**	**3051182**	25
	10	52 mm	gray	**QP 1,5/10**	**3051195**	25
	11	57.2 mm	gray	**QP 1,5/11**	**3051205**	10
	12	62.4 mm	gray	**QP 1,5/12**	**3051218**	10
	13	67.6 mm	gray	**QP 1,5/13**	**3051221**	10
	14	72.8 mm	gray	**QP 1,5/14**	**3051234**	10
	15	78 mm	gray	**QP 1,5/15**	**3051247**	10
	1	5.2 mm	blue	**QP 1,5/ 1 BU**	**3051250**	50
	1	5.2 mm	green-yellow	**QP 1,5/ 1 GNYE**	**3051263**	50

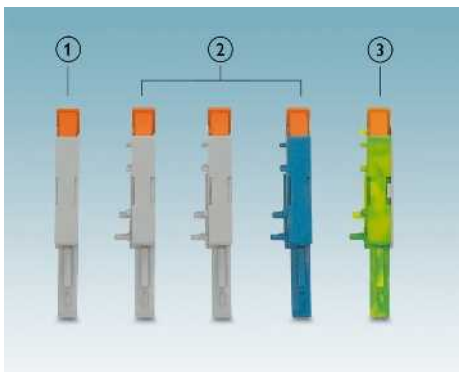
Accessories

Test plug metal part, 2.3 mm Ø		**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ**	**3040614**	50
Latching, for connectors, 1-pos.	orange	**PR**	**3040559**	50
2-pos.	orange	**PR/2**	**3040630**	50
Strain relief, for plugs, 2-pos.	black	**PZ/2**	**3040627**	50
4-pos.	black	**PZ/4**	**3040643**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10
Lateral groove labeling		**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		

COMBI plugs with fast connection for self-assembly



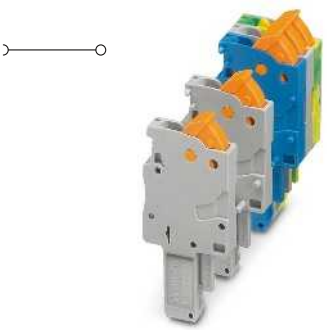
- The QT-COMBI plugs for self-assembly provide solutions that users can implement themselves
- The QP 1,5/... fast connection connector is designed to connect solid and stranded conductors
- The conductor is connected using the familiar IDC rotation connection with no stripping, thus saving time
- The plug with fast connection is assembled directly on site by snapping together single-position plug elements. See below for an example of how these go together.
  ① QP 1,5/1-L
  ② QP 1,5/1-M and QP 1,5/1-M BU
  ③ QP 1,5/1-R GNYE



Notes:

For further accessories, see page 428.

[1]) For derating curve, visit www.phoenixcontact.net/products



1.5 (1.5) mm², 17.5 A, plug, connection in plug-in direction

Technical data

Dimensions		Width	Length	Height	Height when plugged in
	[mm]	**5.2 x No. of pos.**	**20**	**40**	**24**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		17.5[1])	**500**	**0.25 - 1.5**	**24 - 16**
Rated data		IEC 61984 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5[1]) / 1.5	10 / -	10 / -	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	24 - 16	24-16	24-16	-
Connection cross section in acc. with DIN VDE 0295					
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5			
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm²]	0.25 - 0.34			
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16			
Frequency of connections with the same cross section		100			
General data					
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI plug, with fast connection, non-bridgeable, left element						
	1	5.2 mm	gray	**QP 1,5/ 1-L**	**3051014**	50
	1	5.2 mm	blue	**QP 1,5/ 1-L BU**	**3051027**	50
	1	5.2 mm	green-yellow	**QP 1,5/ 1-L GNYE**	**3051030**	50
COMBI plug, with fast connection, non-bridgeable, center element						
	1	5.2 mm	gray	**QP 1,5/ 1-M**	**3051043**	50
	1	5.2 mm	blue	**QP 1,5/ 1-M BU**	**3051056**	50
	1	5.2 mm	green-yellow	**QP 1,5/ 1-M GNYE**	**3051069**	50
COMBI plug, with fast connection, non-bridgeable, right element						
	1	5.2 mm	gray	**QP 1,5/ 1-R**	**3051072**	50
	1	5.2 mm	blue	**QP 1,5/ 1-R BU**	**3051085**	50
	1	5.2 mm	green-yellow	**QP 1,5/ 1-R GNYE**	**3051098**	50

Accessories

Test plug metal part, 2.3 mm Ø		**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	**0201676**	10
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ**	**3040614**	50
Latching, for connectors, 1-pos.	orange	**PR**	**3040559**	50
2-pos.	orange	**PR/2**	**3040630**	50
Strain relief, for plugs, 2-pos.	black	**PZ/2**	**3040627**	50
4-pos.	black	**PZ/4**	**3040643**	50
Screwdriver		**SZF 1-0,6X3,5**	**1204517**	10
Lateral groove labeling		**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		

Cross-reference list: COMBI accessories

Accessories

	PZ 1,5/S/2 Order No.: 3212918	PZ/2 Order No.: 3040627	PZ/4 Order No.: 3040643	UPZ/2 Order No.: 3045554	PDZ/2 Order No.: 3040562	PDZ/4 Order No.: 3040575	CZ/2 Order No.: 3043831	PRZ-1,5/S Order No.: 3212905
								
Plugs								
 UPBV 2,5...				■				
 UPBV 4...				■				
 UP 4...		■						
 UP 6...		■						
 PP-H 1,5...	■							■
 PP-H 2,5...		■	■					
 PP-H 4...		■						
 PP-H 6...		■						
 SP 2,5...		■	■					
 SP-H 2,5...		■	■					
 SPV 2,5...		■	■					
 SP 4...		■						
 SPB 2,5...		■	■					
 SPDB 2,5...					■	■		
 QP 1,5...		■	■					
Couplings								
 PPC 1,5...	■							
 PPC 6...		■						
 SC 2,5...					■	■		
 SC 4...							■	

PRZ Order No.: 3040614	UPRZ Order No.: 3045570	PR-1,5/S Order No.: 3212882	PR-1,5/S/2 Order No.: 3212895	PR Order No.: 3040559	PR/2 Order No.: 3040630	PRT/2 Order No.: 3040631	PRV/2 Order No.: 3041862	UPR/2 Order No.: 3045567	PH 1,5/S/... Order No.: 3212...	PH 2,5/... Order No.: 3209...	PH 4/... Order No.: 3000...
											
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Strain relief for plugs

Notes:
For possible applications of accessories, see page 427.
For corresponding cable binders, see Catalog 5.



– Strain relief can be snapped onto the outside of the connector as an option
– The conductor can be fixed using Phoenix Contact cable binders



Technical data

General data

Material	PA-GF

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Strain relief, for plug and coupling 2-pos.	black	**PZ 1,5/S/2**	**3212918**	50
Strain relief, for plugs, 2-pos.	black	**PZ/2**	**3040627**	50
4-pos.	black	**PZ/4**	**3040643**	50
Strain relief, for UPBV... connectors, 2-pos.	black	**UPZ/ 2**	**3045554**	50

Strain relief for plugs and couplings

Notes:
For possible applications of accessories, see page 427.
For corresponding cable binders, see Catalog 5.



– The strain relief is snapped into the plug center on spring-cage plugs or spring-cage couplings
– The conductor can be fixed using Phoenix Contact cable binders



Technical data

General data

Material	PA-GF

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Strain relief, for SPDB... plug and SC 2,5... coupling, 2-pos.	black	**PDZ/2**	**3040562**	50
4-pos.	black	**PDZ/4**	**3040575**	50
Strain relief, for SC 4... coupling, 2-pos.	black	**CZ/2**	**3043831**	50

Latching and strain relief



– Latching and strain relief in one component
– Can be snapped into connector housing as an option
– The conductor can be fixed using Phoenix Contact cable binders

Notes:

For possible applications of accessories, see page 427.

For corresponding cable binders, see Catalog 5.



Technical data

General data

Material	PA-GF

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ 1,5/S**	**3212905**	50
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ**	**3040614**	50
Latching and strain relief, for UPBV.... connectors, 2-pos.	orange	**UPRZ**	**3045570**	50

Latching



– Can be used in all connector versions
– It is snapped into the outside of the plug housing and hooks onto the terminal block housing when the plug is snapped on

Notes:

For possible applications of accessories, see page 427.



Technical data

General data

Material	PA-GF

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Latching, for connectors, 1-pos.	orange	**PR 1,5/S**	**3212882**	50
2-pos.	orange	**PR 1,5/S/2**	**3212895**	50
Latching, for connectors, 1-pos.	orange	**PR**	**3040559**	50
2-pos.	orange	**PR/2**	**3040630**	50
Latching, for SPV plugs, 2-pos.	orange	**PRV/2**	**3041862**	50
Latching, for UPBV connectors, 2-pos.	orange	**UPR/ 2**	**3045567**	50
Latching, for plugs, release with just a screwdriver	orange	**PRT/2**	**3040631**	50

PSH ... shielding

Notes:
For corresponding cable binders, see Catalog 5.



- For connecting shielded cables
- Snapped into strain relief once the connector has been wired
- Connected shielded cable is fixed using a cable binder
- The shielding connecting cable is connected via the connector and then makes direct contact with the terminal block upon connection



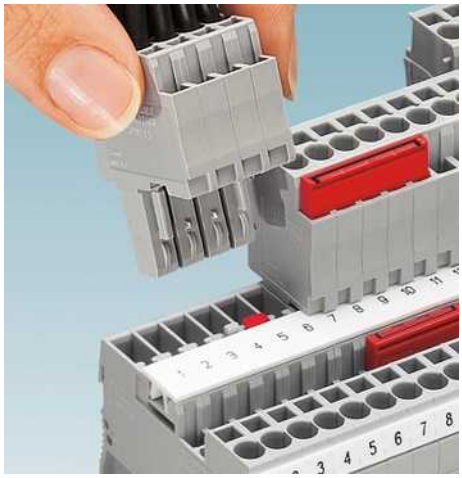
Technical data

General data	
Material	PA

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Shielding, for mounting on PZ/... and PRZ, 2-pos., for cables with 3 ... 6 mm diameter, cable length: 55 mm	black	**PSH 3- 6**	**3040591**	50
Cable length: 500 mm	black	**PSH 3- 6 500MM**	**3061525**	10
For cables with 5 ... 10 mm diameter, cable length: 55 mm	black	**PSH 5-10**	**3040601**	50

PC coding



– Can be used in all terminal blocks, couplings, and PCB base elements
– The individual coding elements are inserted at the coding position in the basic terminal block and the coding tab is removed at the corresponding point of the connector



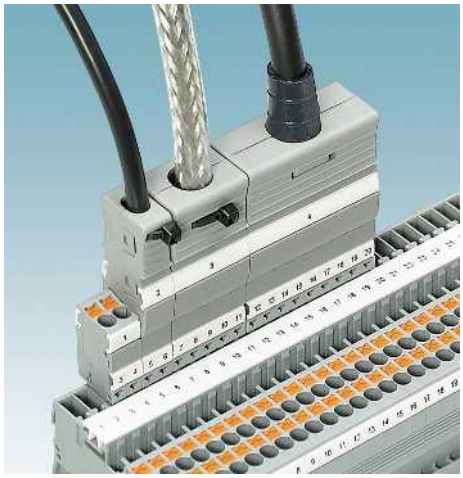
Technical data

General data	
Material	PA

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	**3040588**	50

Cable housing for COMBI plugs



- Robust cable housing for strain relief on connection cables
- Two-section housing
- Easy assembly
- Secure latching on the COMBI plugs and COMBI couplings provided
- Like plugs, can be added without loss of pitch
- Additional scope for labeling to mark the connectors
- The conductor can be fixed using Phoenix Contact cable binders



Cable housing, 3 to 15-pos., snap-in to PP-H 1,5 plug and PPC 1,5 coupling

Technical data

General data	
Material	PA

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
Cable housing, for PP-H 1,5... and PPC 1,5...						
	3	10.5 mm	gray	**PH 1,5/S/3**	**3212756**	50
	4	14 mm	gray	**PH 1,5/S/4**	**3212769**	50
	5	17.5 mm	gray	**PH 1,5/S/5**	**3212772**	50
	6	21 mm	gray	**PH 1,5/S/6**	**3212785**	25
	7	24.5 mm	gray	**PH 1,5/S/7**	**3212798**	25
	8	28 mm	gray	**PH 1,5/S/8**	**3212808**	25
	9	31.5 mm	gray	**PH 1,5/S/9**	**3212811**	25
	10	35 mm	gray	**PH 1,5/S/10**	**3212824**	25
	11	38.5 mm	gray	**PH 1,5/S/11**	**3212837**	10
	12	42 mm	gray	**PH 1,5/S/12**	**3212840**	10
	13	45.5 mm	gray	**PH 1,5/S/13**	**3212853**	10
	14	49 mm	gray	**PH 1,5/S/14**	**3212866**	10
	15	52.5 mm	gray	**PH 1,5/S/15**	**3212879**	10
Cable housing, for COMBI plugs SP-H ... and PP-H ...						
	2	10.4 mm	gray			
	3	15.6 mm	gray			
	4	20.8 mm	gray			
	5	26 mm	gray			
	6	31.2 mm	gray			
	7	36.4 mm	gray			
	8	41.6 mm	gray			
	9	46.8 mm	gray			
	10	52 mm	gray			
	11	57.2 mm	gray			
	12	62.4 mm	gray			
	13	67.6 mm	gray			
	14	72.8 mm	gray			
	15	78 mm	gray			
Cable housing, for PP-H 4... COMBI plugs						
	2	12.4 mm	gray			
	3	18.6 mm	gray			
	4	24.8 mm	gray			
	5	31 mm	gray			
	6	37.2 mm	gray			
	7	43.4 mm	gray			
	8	49.6 mm	gray			
	9	55.8 mm	gray			
	10	62 mm	gray			

Accessories

Bend protection sleeve, for 3-9 mm cable diameter, suitable for PH 1,5/S/5 - PH 1,5/S/8 and PH 2,5/3 - PH 2,5/5	black	**CPH 3-9**	**3212015**	25
Bend protection sleeve, for 4-12 mm cable diameter, suitable for PH 1,5/S/9 - PH 1,5/S/15 and PH 2,5/6 - PH 2,5/15	black	**CPH 4-12**	**3212028**	25
Cable clamp, with screws, suitable for PH 1,5/S/9 - PH 1,5/S/15 and PH 2,5/6 - PH 2,5/15		**HSR**	**3212031**	25
Shield connection, suitable for PH 1,5/S/9 - PH 1,5/S/15 and PH 2,5/6 - PH 2,5/15		**HSH-METALL**	**3210910**	50

N



Cable housing, 2 to 15-pos., snap-in to PP-H 2,5... and SP-H 2,5 plugs



Cable housing, 2 to 10-pos., snap-in to PP-H 4 plug

Technical data

PA

Ordering data

Type	Order No.	Pcs. / Pkt.
PH 2,5/ 2	3209691	50
PH 2,5/ 3	3209701	50
PH 2,5/ 4	3209714	50
PH 2,5/ 5	3209727	50
PH 2,5/ 6	3209730	25
PH 2,5/ 7	3209743	25
PH 2,5/ 8	3209756	25
PH 2,5/ 9	3209507	25
PH 2,5/10	3209769	25
PH 2,5/11	3209772	10
PH 2,5/12	3209785	10
PH 2,5/13	3209798	10
PH 2,5/14	3209808	10
PH 2,5/15	3209811	10

Accessories

CPH 3-9	3212015	25
CPH 4-12	3212028	25
HSR	3212031	25
HSH-METALL	3210910	50

Technical data

PA

Ordering data

Type	Order No.	Pcs. / Pkt.
PH 4/2	3000734	50
PH 4/3	3000736	50
PH 4/4	3000737	50
PH 4/5	3000738	50
PH 4/6	3000739	25
PH 4/7	3000740	25
PH 4/8	3000741	25
PH 4/9	3000742	25
PH 4/10	3000743	25

Accessories

CPH 3-9	3212015	25
CPH 4-12	3212028	25
HSR	3212031	25
HSH-METALL	3210910	50

Self-locking flange covers



The secure latching protects the connectors from coming loose by mistake.

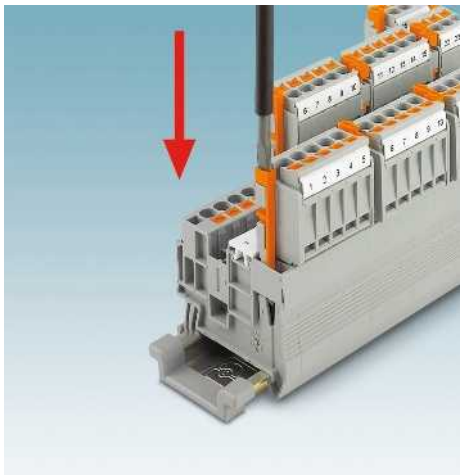
– The **self-locking flanges** are snapped onto the DIN rail directly
– Same shape and pitch as the basic terminal blocks
– Due to the offset arrangement of the locking holes, only one self-locking flange is required between two neighboring connectors
– The **self-locking flange covers** can be snapped onto the connector housing later on
– Automatic latching in self-locking flange

General data
Insulating material

Description	Color
Self-locking flange cover, for SPB 2,5	gray
Self-locking flange cover, for SPDB 2,5	gray
Self-locking flange cover, for SP-H 2,5... and PP-H 2,5...	gray
Self-locking flange, for ST 2,5..., STTB 2,5, PT 2,5..., PTTB 2,5	gray
	gray
	gray
	gray
	gray
	gray



– When connecting, the connectors latch automatically in the self-locking flange



– The connector is released again by pressing down the locking clip with a screwdriver



Self-locking flange cover



Self-locking flange

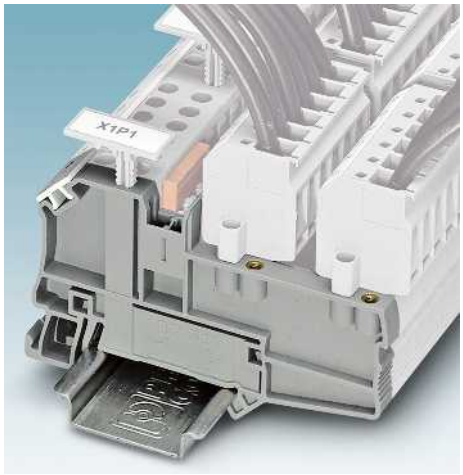
Technical data	
PA	

Ordering data		
Type	Order No.	Pcs. / Pkt.
DFS-SPB 2,5	3061444	50
DFS-SPDB 2,5	3061457	50
DFS-SP-H 2,5	3061431	50

Technical data	
PA	

Ordering data		
Type	Order No.	Pcs. / Pkt.
ST 2,5/1P-FS	3061376	50
ST 2,5-TWIN/1P-FS	3061389	50
ST 2,5-QUATTRO/2P-FS	3061392	50
ST 2,5-QUATTRO/4P-FS	3061402	50
ST 2,5/2P-FS	3061415	50
STTB 2,5/2P-FS	3061428	50

Screw flange and flange cover



The secure latching protects the connectors from coming loose by mistake.

- The **screw flanges** are snapped onto the DIN rail directly
- Same shape and pitch as the basic terminal blocks
- Due to the offset arrangement of the screw sockets, only one basic flange is required between two neighboring connectors
- The **screw flange covers** can be snapped onto the plug housing later on
- For reliably screwing down the connector with the screw flange





Screw flange cover

Technical data

General data		
Tightening torque	[Nm]	0.4 - 0.5
Insulating material		PA

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Screw flange cover, for UP 4 COMBI plug	gray	**DF-UP 4**	**3060348**	50
For UP 6 COMBI plug	gray	**DF-UP 6**	**3060856**	50
Screw flange cover, for UPBV 2,5 and UPBV 4 COMBI plugs	gray	**DF-UPBV 2,5/ 4**	**3060432**	50
Screw flange cover, for SP-H ... and PP-H ... COMBI plugs	gray	**DF-SP-H 2,5**	**3209824**	50
Screw flange, for UT-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP-H 2,5 plugs For UT 2,5/1P, UT 2,5/1P-PE	gray			
For UT 2,5-TWIN/1P	gray			
For UTTB 2,5/ 2P, UTTB 2,5/ 2P-PV, UTTB 2,5/ 2P-PE	gray			
For UT 4/ 1P, UT 4/ 1PPE	gray			
For UT 2,5-TWIN/ 1P, UT 2,5-TWIN/ 1P-PE, UT 4-TWIN/ 1P, UT 4-TWIN/ 1P-PE	gray			
For UT 4-QUATTRO/2P, UT 4-QUATTRO/2P-PE	gray			
For UT 6-OUATTRO/2P, UT 6-OUATTRO/2P-PE	gray			
Screw flange, for ST-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP-H 2,5 plugs For ST 2,5/1P, ST 2,5/1P-PE, PT 2,5/1P, PT 2,5/1P-PE	gray			
For ST 2,5/2P, ST 2,5/2P-PE, PT 2,5/2P, PT 2,5/2P-PE	gray			
For ST 2,5-TWIN/1P, ST 2,5-TWIN/1P-PE, PT 2,5-TWIN/1P, PT 2,5-TWIN/1P-PE	gray			
For ST 2,5-QUATTRO/2P, ST 2,5-QUATTRO/2P-PE, ST 2,5-TWIN-MT/1P, ST 2,5-TWIN-TG/1P, PT 2,5-QUATTRO/2P, PT 2,5-QUATTRO/2P-PE	gray			
for ST 2,5-QUATTRO/4P, ST 2,5-QUATTRO/4P-PE	gray			
For STTB 2,5/2P, STTB 2,5/2P-PV, STTB 2,5/2P-PE, PTTB 2,5/2P	gray			
Screw flange, for QT-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP-H 2,5 plugs for QTC 1,5/1P, QTC 1,5/1P-PE	gray			
for QTTCB 1,5/ 2P, QTTCB 1,5/ 2PPE	gray			



Screw flange



Screw flange



Screw flange

Technical data

0.4 - 0.5
PA

Ordering data

Type	Order No.	Pcs. / Pkt.
UT 2,5/1P-F	3060445	50
UT 2,5-TWIN/1P-F	3061172	50
UTTB 2,5/2P-F	3060474	50
UT 4/ 1P-F	3060458	50
UT 4-TWIN/ 1P-F	3060322	50
UT 4-QUATTRO/ 2P-F	3060335	50
UT 6-QUATTRO/2P-F	3060843	50

Technical data

0.4 - 0.5
PA

Ordering data

Type	Order No.	Pcs. / Pkt.
ST 2,5/1P-F	3209837	50
ST 2,5/2P-F	3061198	50
ST 2,5-TWIN/1P-F	3209840	50
ST 2,5-QUATTRO/2P-F	3209853	50
ST 2,5-QUATTRO/4P-F	3061208	50
STTB 2,5/2P-F	3061169	50

Technical data

0.4 - 0.5
PA

Ordering data

Type	Order No.	Pcs. / Pkt.
QTC 1,5/1P-F	3061211	50
QTTCB 1,5/ 2P-F	3061185	50

HCC 4-... high-current plug-in connectors



High-current plug-in connectors are characterized by the following features:

– High current-carrying capacity for the requirements of connectors which can be freely fitted in the construction of controllers and switchgear
– Screw connection for stranded conductors up to 4 mm2, optional socket also for 0.5 - 2.5 mm2 crimp connection
– Touch-proof even when unplugged
– Strain relief for plug and socket components
– Two engagement catches automatically ensure against unintentional loosening when plugged in
– Coding is possible without loss of polarity by inserting coding profiles into the plug and socket
– DIN rail mountable on NS 32... or NS 35... thanks to foot element that can be screwed on

Notes:

[1]) For derating curve, visit www.phoenixcontact.net/products



Plug, 10-pos., with screw connection

Technical data

Dimensions				
	[mm]	Width	Length	Height
		92	**34.2**	**18**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		25[1])	**500**	**0.2 - 4 / 24 - 12**
Rated data		IEC 61984 IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	300	300 / -
Nominal current / cross section	[A] / [mm²]	25[1]) / 4	20 / -	20 / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 12	30-10	28-10 / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4 / 0.25 - 4
Two conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 2.5
General data				
Stripping length	[mm]	7		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Plug, 10-pos., with screw connection	gray	**HCC 4-M**	**1600014**	50
Socket, 10-pos., with screw connection	gray			
Plug, 10-pos., with crimp connection, without contacts, for accommodating STG-MTN module socket contacts	gray			
Socket, 10-pos., with crimp connection, without contacts, for accommodating STG-MTN module socket contacts	gray			

Accessories

Foot element, with M4 x 10 screw, for screwing together with the socket part, for assembly on NS 32... or NS 35...	gray	**HCC 4-FE**	**1600069**	50
Module socket contact, is inserted into connector housing STG after the conductor has been crimped, 0.5-1 mm²				
for wires from 0.5 ... 1,0 mm²	gray			
For conductors from 1.5 ... 2.5 mm²	silver			
Strain relief	gray	**HCC 4-SR**	**3100224**	10
Coding profile, prevents similar connectors from being mixed up	red	**CP-HCC 4**	**1600027**	100
Fuse clip, for locking latches		**HCC 4-CLIP**	**1914823**	100
Crimping pliers, for rolled contacts 0.5 - 2.5 mm², four labeled countersunk stations, unlockable pressure lock, side entry, for STG-MTN module and socket contacts too	black	**CRIMPFOX MT 2,5**	**1204038**	1
Contact removal tool, for removing the module socket contacts	gray			
Connector labeling		**SK ... (see Catalog 5)**		



Socket, 10-pos., with screw connection



Plug, 10-pos., with crimp connection



Socket, 10-pos., with crimp connection

Technical data

Width	Length	Height	
92	**31.5**	**18**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
**25[1]) **	**500**	**0.2 - 4**	**24 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
25[1]) / 4	20 / -	20 / -	-
4	-	-	-
24 - 12	30-10	28-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 2.5
7			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
HCC 4-F	**1600001**	50

Accessories

HCC 4-FE	**1600069**	50
HCC 4-SR	**3100224**	10
CP-HCC 4	**1600027**	100
HCC 4-CLIP	**1914823**	100
CRIMPFOX MT 2,5	**1204038**	1

SK ... (see Catalog 5)

Technical data

Width	Length	Height	
92	**34.6**	**17**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
13.5	**400**	**0.2 - 4**	**24 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
13.5 / 1.5	- / -	-	-
2.5	-	-	-
24 - 12	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 2.5
-			
-			
-			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
HCC 4-MC	**1660669**	50

Accessories

HCC 4-FE	**1600069**	50
HCC 4-MC MT 0,5-1,0 BAND	**1600108**	4000
STG-MTN 1,5-2,5	**3190506**	100
HCC 4-SR	**3100224**	10
CP-HCC 4	**1600027**	100
HCC 4-CLIP	**1914823**	100
CRIMPFOX MT 2,5	**1204038**	1
STG-EW	**3190441**	1

SK ... (see Catalog 5)

Technical data

Width	Length	Height	
92	**27.6**	**17**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
13.5	**400**	**0.2 - 4**	**24 - 12**
IEC 61984			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
13.5 / 1.5	- / -	-	-
2.5	-	-	-
24 - 12	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 2.5
-			
-			
-			
PA			
V2			

Ordering data

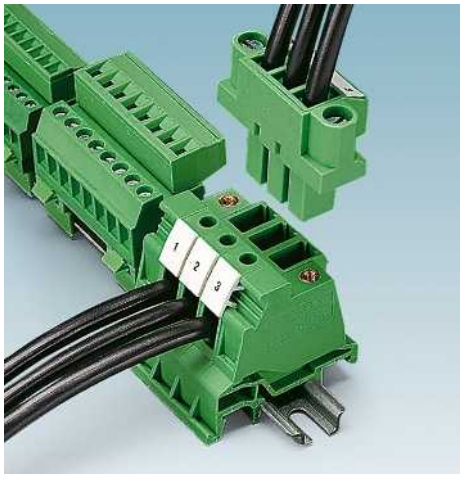
Type	Order No.	Pcs. / Pkt.
HCC 4-FC	**1600030**	50

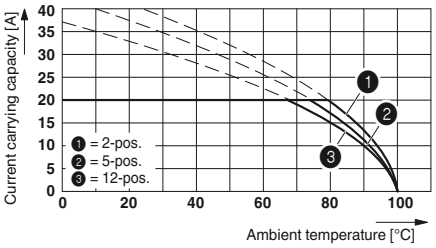
Accessories

HCC 4-FE	**1600069**	50
STG-MTN 0,5-1,0 BA	**3190629**	4000
STG-MTN 1,5-2,5 BAND	**3190632**	3300
HCC 4-SR	**3100224**	10
CP-HCC 4	**1600027**	100
HCC 4-CLIP	**1914823**	100
CRIMPFOX MT 2,5	**1204038**	1
STG-EW	**3190441**	1

SK ... (see Catalog 5)

Headers with pin contact for DIN rail mounting





- PCVK 4 and UPCV3K 4 establish the plug-in connection between the electronics and the control cabinet
- For mounting on NS 35/... and NS 15... DIN rails according to EN 60715 – or for the UPCV3K 4-G-7,62 – for mounting on NS 35/... and NS 32 DIN rails
- Can be plugged onto PC 4 and PC 5 connector range
- Vibration-resistant connection with flange terminal blocks that can be aligned (-F)
- UPCV3K provides three connector outputs for each terminal point

Notes:
COMBICON select Possible combinations for plug-in connectors can be found in COMBICON select at: **www.phoenixcontact.net/products**
For DIN rails, see Catalog 5.
1) Please observe the derating curves and laboratory data sheets. Derating curves for other possible combinations available on request.

Representative derating curve for: PC 4/...-ST-7,62 with PCVK 4-7,62
DIN EN 61984 (VDE 0627):2002-09
Thermal test group C
Derating curve, representation based on DIN EN 60512-5-2:2003-01, connected conductor cross section = 4 mm²
Reduction factor = 0.8
No. of positions: see diagram

Dimensions	
	[mm]
Dimensions	
	[mm]
Dimensions	
	[mm]
Max. electrical data	

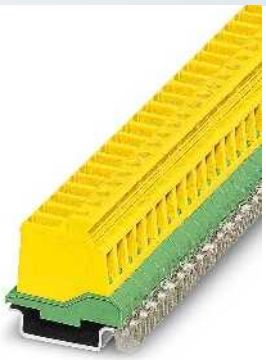
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Inflammability class according to UL 94	

Description	No. of pos.	Color
Terminal block, 7.62 mm pitch	1	green
Flange terminal block, arranged on the left and right of PCVK 4-7,62, for safe screw connection of connectors with screw flanges, pitch: 7.62 mm	1	green
Terminal block, 7.62 mm pitch	1	green-yellow
Terminal block, with three vertical COMBICON (Power) connectors/exits, for mounting on NS 32 or NS 35	1	gray
Flange cover, arranged on the left and right of UPCV3K 4-G-7,62, for safe screw connection with the connectors with screw flanges		gray

Coding profile, prevents similar connectors from being mixed up	red
Screwdriver	
Lateral groove labeling	



Single terminal block



Single terminal block as protective conductor



Single terminal block with 3 plug entries

Technical data

Width	Length	Height NS 35/7,5	
7.62	**41.2**	**36.4**	
Width	Length	Height NS 15	
7.62	**41.2**	**-**	
Width	Length	Height NS 32	
7.62	**41.2**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[1])	**500**	**0.2 - 4**	**24 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
630	600	300	-
20[1]) / 4	20 / -	20 / -	-
4	-	-	-
24 - 12	30-10	28-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
0.25 - 2.5	0.25 - 2.5	0.25 - 1.5	-
			0.5 - 2.5
10			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PCVK 4-7,62		**1849998**	50
PCVK 4-7,62-F		**1850000**	50

Accessories

CP-HCC 4	**1600027**	100
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

ZB 7,62 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
7.62	**42.4**	**36.4**	
Width	Length	Height NS 15	
7.62	**42.4**	**-**	
Width	Length	Height NS 32	
7.62	**42.4**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	500	**0.2 - 4**	**24 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
630	-	-	-
- / 4	-	20 / -	-
4	-	-	-
24 - 12	-	28-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
0.25 - 2.5	0.25 - 2.5	0.25 - 1.5	-
			0.5 - 2.5
10			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PCVK 4-7,62-PE		**1876246**	50

Accessories

CP-HCC 4	**1600027**	100
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

ZB 7,62 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
7.62	**74.4**	**41.2**	
Width	Length	Height NS 15	
7.62	**74.4**	**-**	
Width	Length	Height NS 32	
7.62	**74.4**	**46.2**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20[1])	**800**	**0.2 - 4**	**24 - 10**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
20[1]) / 4	20 / -	-	-
4	-	-	-
24 - 10	30-10	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
0.25 - 2.5	0.25 - 2.5	0.25 - 1.5	-
			0.5 - 2.5
10			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UPCV3K 4-G-7,62		**1838381**	50
UPCV3K-F		**1881202**	50

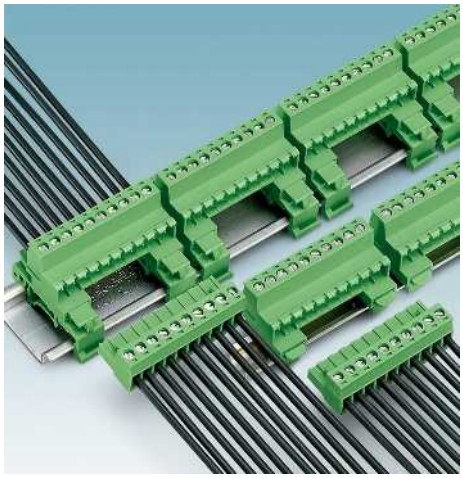
Accessories

CP-HCC 4	**1600027**	100
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

ZB 7,62 (see Catalog 5)

Plug-in blocks for rail mounting

Notes:
In accordance with DIN EN 61984, COMBICON connectors have no switching power. During designated use, they must not be plugged in or disconnected when carrying voltage or under load.
For DIN rails, see Catalog 5.



– MSTBVK 2,5 with foot element for mounting on the 15 x 5 mm DIN rail (NS 15) in accordance with EN 60715-TH15
– UMSTBHK 2,5 with universal foot for mounting on NS 32 or NS 35 DIN rails
– Can be combined with connectors:
MSTB(P) 2,5/...-ST...
FRONT-MSTB 2,5/...-ST...
FKC(S) 2,5/...-ST...
FKCN 2,5/...-ST...
FKCVR 2,5/...-ST...
ICV 2,5/...-G...



Inverted connector with screw connection for mounting on NS 15 DIN rail

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**23.1**	**52.3**	**-**
Dimensions		Width	Length	Height NS 15
	[mm]	**23.1**	**52.3**	**27.7**
Dimensions		Width	Length	Height NS 32
	[mm]	**23.1**	**52.3**	**-**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		12	**250**	**0.2 - 2.5** / **24 - 12**
Rated data		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	320	300	300 / -
Nominal current / cross section	[A] / [mm²]	12 / 2.5	12 / -	10 / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	24 - 12	30-12	28-12 / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 2.5 / 0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 1.5
General data				
Stripping length	[mm]	7		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Plug-in block, 5.0 mm pitch	10	green	**MSTBHK 2,5/10-G**		**1765085**	50
Plug-in block, 5.08 mm pitch	10	green	**MSTBHK 2,5/10-G-5,08**		**1765030**	50

Accessories

Coding tab, for MSTB headers, for dividing headers, plugged onto the header pin, made from green insulation material		**MSTB-BL**	**1755477** / 100
Lock, prevents MSTB plug being pulled out unintentionally, green insulating material		**MSTBHK 2,5/ 2 AH**	**5030185** / 100
End clamp, to snap on NS 15, for slide-on miniature terminal blocks, can be fastened with a screw, can be labeled with KLM 1	gray	**E/MBK**	**1401637** / 100
End clamp, to screw on, for NS 35 and NS 32, can be labeled with ZB 6, KLM, KLM-A and UBE	gray	**E/UK**	**1201442** / 50
Screwdriver		**SF-SL 0,6X3,5-100 S-VDE**	**1212587** / 10
Lateral groove labeling		**SK ... (see Catalog 5)**	



Inverted connector with universal foot for mounting on NS 32 and NS 35

Technical data

Width	Length	Height NS 35/7,5	
42.5	**52.3**	**33**	
Width	Length	Height NS 15	
42.5	**52.3**	**-**	
Width	Length	Height NS 32	
42.5	**52.3**	**38**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
12	**250**	**0.2 - 2.5**	**24 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
320	300	300	-
12 / 2.5	12 / -	10 / -	-
2.5	-	-	-
24 - 12	30-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1	- 0.5 - 1.5
7			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UMSTBHK 2,5/10-G		**1765768**	50

Accessories

MSTB-BL	**1755477**	100
MSTBHK 2,5/ 2 AH	**5030185**	100
E/UK	**1201442**	50
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

SK ... (see Catalog 5)

Plug-in blocks for rail mounting



- Can be combined with COMBICON connectors with 5.08 mm pitch
- Versions with and without a threaded flange
- Higher numbers of positions up to 24-pos. can be found at: **www.phoenixcontact.net/products**

MSTBVK 2,5/...-G(F)-5,08

- With a foot element for mounting on a 15 x 5 mm DIN rail (NS 15) acc. to EN 60715-TH15

UMSTBVK 2,5/...-G(F)-5,08

- With universal foot for mounting on NS 32 or NS 35 DIN rails

Notes:

In accordance with DIN EN 61984, COMBICON connectors have no switching power. During designated use, they must not be plugged in or disconnected when carrying voltage or under load.

For DIN rails, see Catalog 5.



For mounting on NS 15

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**27.2**	**-**	**-**
Dimensions		Width	Length	Height NS 15
	[mm]	**27.2**	**-**	**30**
Dimensions		Width	Length	Height NS 32
	[mm]	**27.2**	**-**	**-**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		12	**320**	**0.2 - 2.5**	**24 - 12**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	320	300	300	-
Nominal current / cross section	[A] / [mm²]	12 / 2.5	12 / -	10 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	30-12	28-12	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
	2	green	**MSTBVK 2,5/ 2-G-5,08**		**1788729**	50
	3	green	**MSTBVK 2,5/ 3-G-5,08**		**1788732**	50
	4	green	**MSTBVK 2,5/ 4-G-5,08**		**1788745**	50
	5	green	**MSTBVK 2,5/ 5-G-5,08**		**1788758**	50
	6	green	**MSTBVK 2,5/ 6-G-5,08**		**1788761**	50
	7	green	**MSTBVK 2,5/ 7-G-5,08**		**1788774**	50
	8	green	**MSTBVK 2,5/ 8-G-5,08**		**1788787**	50
	9	green	**MSTBVK 2,5/ 9-G-5,08**		**1788790**	50
	10	green	**MSTBVK 2,5/10-G-5,08**		**1788800**	50
	11	green	**MSTBVK 2,5/11-G-5,08**		**1788813**	50
	12	green	**MSTBVK 2,5/12-G-5,08**		**1788826**	50
	13	green	**MSTBVK 2,5/13-G-5,08**		**1788839**	50
	14	green	**MSTBVK 2,5/14-G-5,08**		**1788842**	50
	15	green	**MSTBVK 2,5/15-G-5,08**		**1788855**	50
	16	green	**MSTBVK 2,5/16-G-5,08**		**1788868**	50

Accessories

Insertion bridge, fully insulated, for plug-in connectors with 5.0 or 5.08 mm pitch			
2	**EBP 2- 5**	**1733169**	10
Coding tab, for MSTB headers, for dividing headers, plugged onto the header pin, made from green insulation material	**MSTB-BL**	**1755477**	100
Coding section, for COMBICON headers, is inserted into the recess on the header	**CR-MSTB**	**1734401**	100
Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Lateral groove labeling	**SK 5,08 (see Catalog 5)**		



With threaded flange for mounting on NS 15



With universal foot for mounting on NS 32 or NS 35



With threaded flange and universal foot for mounting on NS 32 or NS 35

Technical data

Width	Length	Height NS 35/7,5	
27.2	**-**	**-**	
Width	Length	Height NS 15	
27.2	**-**	**30**	
Width	Length	Height NS 32	
27.2	**-**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
12	**320**	**0.2 - 2.5**	**24 - 12**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
320	300	300	-
12 / 2.5	12 / -	10 / -	-
2.5	-	-	-
24 - 12	30-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1.5	0.25 - 1	-
			0.5 - 1.5

7	
M3	
0.5 - 0.6	
PA	
V0	

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
MSTBVK 2,5/ 2-GF-5,08		**1788952**	50
MSTBVK 2,5/ 3-GF-5,08		**1788965**	50
MSTBVK 2,5/ 4-GF-5,08		**1788978**	50
MSTBVK 2,5/ 5-GF-5,08		**1788981**	50
MSTBVK 2,5/ 6-GF-5,08		**1788994**	50
MSTBVK 2,5/ 7-GF-5,08		**1789003**	50
MSTBVK 2,5/ 8-GF-5,08		**1803015**	50
MSTBVK 2,5/ 9-GF-5,08		**1803028**	50
MSTBVK 2,5/10-GF-5,08		**1803031**	50
MSTBVK 2,5/11-GF-5,08		**1803044**	50
MSTBVK 2,5/12-GF-5,08		**1803057**	50
MSTBVK 2,5/13-GF-5,08		**1803060**	50
MSTBVK 2,5/14-GF-5,08		**1803073**	50
MSTBVK 2,5/15-GF-5,08		**1803086**	50
MSTBVK 2,5/16-GF-5,08		**1803099**	50

Accessories

EBP 2- 5		**1733169**	10
MSTB-BL		**1755477**	100
CR-MSTB		**1734401**	100
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 5,08 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
42.5	**-**	**36**	
Width	Length	Height NS 15	
42.5	**-**	**-**	
Width	Length	Height NS 32	
42.5	**-**	**41**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
12	**320**	**0.2 - 2.5**	**24 - 12**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
320	300	300	-
12 / 2.5	12 / -	10 / -	-
2.5	-	-	-
24 - 12	30-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1.5	0.25 - 1	-
			0.5 - 1.5

7	
M3	
0.5 - 0.6	
PA	
V0	

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UMSTBVK 2,5/ 2-G-5,08		**1788114**	50
UMSTBVK 2,5/ 3-G-5,08		**1788127**	50
UMSTBVK 2,5/ 4-G-5,08		**1788130**	50
UMSTBVK 2,5/ 5-G-5,08		**1788143**	50
UMSTBVK 2,5/ 6-G-5,08		**1788156**	50
UMSTBVK 2,5/ 7-G-5,08		**1788169**	50
UMSTBVK 2,5/ 8-G-5,08		**1788172**	50
UMSTBVK 2,5/ 9-G-5,08		**1788185**	50
UMSTBVK 2,5/10-G-5,08		**1788198**	50
UMSTBVK 2,5/11-G-5,08		**1788208**	50
UMSTBVK 2,5/12-G-5,08		**1788211**	50
UMSTBVK 2,5/13-G-5,08		**1788224**	50
UMSTBVK 2,5/14-G-5,08		**1788237**	50
UMSTBVK 2,5/15-G-5,08		**1788240**	50
UMSTBVK 2,5/16-G-5,08		**1788253**	50

Accessories

EBP 2- 5		**1733169**	10
MSTB-BL		**1755477**	100
CR-MSTB		**1734401**	100
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 5,08 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
42.5	**-**	**36**	
Width	Length	Height NS 15	
42.5	**-**	**-**	
Width	Length	Height NS 32	
42.5	**-**	**41**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
12	**320**	**0.2 - 2.5**	**24 - 12**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
320	300	300	-
12 / 2.5	12 / -	10 / -	-
2.5	-	-	-
24 - 12	30-12	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1.5	0.25 - 1	-
			0.5 - 1.5

7	
M3	
0.5 - 0.6	
PA	
V0	

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UMSTBVK 2,5/ 2-GF-5,08		**1787924**	50
UMSTBVK 2,5/ 3-GF-5,08		**1787937**	50
UMSTBVK 2,5/ 4-GF-5,08		**1787940**	50
UMSTBVK 2,5/ 5-GF-5,08		**1787953**	50
UMSTBVK 2,5/ 6-GF-5,08		**1787966**	50
UMSTBVK 2,5/ 7-GF-5,08		**1787979**	50
UMSTBVK 2,5/ 8-GF-5,08		**1787982**	50
UMSTBVK 2,5/ 9-GF-5,08		**1787995**	50
UMSTBVK 2,5/10-GF-5,08		**1788004**	50
UMSTBVK 2,5/11-GF-5,08		**1788017**	50
UMSTBVK 2,5/12-GF-5,08		**1788020**	50
UMSTBVK 2,5/13-GF-5,08		**1788033**	50
UMSTBVK 2,5/14-GF-5,08		**1788046**	50
UMSTBVK 2,5/15-GF-5,08		**1788059**	50
UMSTBVK 2,5/16-GF-5,08		**1788062**	50

Accessories

EBP 2- 5		**1733169**	10
MSTB-BL		**1755477**	100
CR-MSTB		**1734401**	100
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 5,08 (see Catalog 5)

Plug-in blocks for rail mounting

- With universal foot for mounting on NS 32 or NS 35 DIN rails
- Versions with and without a threaded flange
- Can be combined with the following plugs:
  IC 2,5/...-ST(F)...
  FKIC 2,5/...-ST(F)...
  FKICS 2,5/...-ST(F)...

Notes:

In accordance with DIN EN 61984, COMBICON connectors have no switching power. During designated use, they must not be plugged in or disconnected when carrying voltage or under load.

For DIN rails, see Catalog 5.



With universal foot, for mounting on NS 32 or NS 35



With screw flange and universal foot, for mounting on NS 32 or NS 35

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**42.5**	**-**	**36**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**42.5**	**-**	**41**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		12	**320**	**0.2 - 2.5**	**24 - 12**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	320	300	300	-
Nominal current / cross section	[A] / [mm²]	12 / 2.5	12 / -	10 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	30-12	28-12	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

		Width	Length	Height NS 35/7,5	
	[mm]	**42.5**	**-**	**36**	
		Width	Length	Height NS 32	
	[mm]	**42.5**	**-**	**41**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		12	**320**	**0.2 - 2.5**	**24 - 12**
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
	[V]	320	300	-	-
	[A] / [mm²]	12 / 2.5	12 / -	-	-
	[mm²]	2.5	-	-	-
	AWG	24 - 12	30-12	-	-
		solid	stranded	Ferrule	
				Without / with plastic sleeve	
	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1	-
	[mm²]				0.5 - 1.5
	[mm]	7			
		M3			
	[Nm]	0.5 - 0.6			
		PA			
		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Plug-in block, 5.08 mm pitch	5	green	**UMSTBVK 2,5/ 5-ST-5,08**		**1833849**	50
	6	green	**UMSTBVK 2,5/ 6-ST-5,08**		**1833852**	50
	7	green	**UMSTBVK 2,5/ 7-ST-5,08**		**1833865**	50
	8	green	**UMSTBVK 2,5/ 8-ST-5,08**		**1833878**	50
	9	green	**UMSTBVK 2,5/ 9-ST-5,08**		**1833881**	50
	10	green	**UMSTBVK 2,5/10-ST-5,08**		**1833894**	50
	11	green	**UMSTBVK 2,5/11-ST-5,08**		**1833904**	50
	12	green	**UMSTBVK 2,5/12-ST-5,08**		**1833917**	50
	13	green	**UMSTBVK 2,5/13-ST-5,08**		**1833920**	50
	14	green	**UMSTBVK 2,5/14-ST-5,08**		**1833933**	50
	15	green	**UMSTBVK 2,5/15-ST-5,08**		**1833946**	50
	16	green	**UMSTBVK 2,5/16-ST-5,08**		**1833959**	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UMSTBVK 2,5/ 5-STF-5,08		**1859205**	50
UMSTBVK 2,5/ 6-STF-5,08		**1859218**	50
UMSTBVK 2,5/ 7-STF-5,08		**1859221**	50
UMSTBVK 2,5/ 8-STF-5,08		**1859234**	50
UMSTBVK 2,5/ 9-STF-5,08		**1859247**	50
UMSTBVK 2,5/10-STF-5,08		**1859250**	50
UMSTBVK 2,5/11-STF-5,08		**1859263**	50
UMSTBVK 2,5/12-STF-5,08		**1859276**	50
UMSTBVK 2,5/13-STF-5,08		**1859289**	50
UMSTBVK 2,5/14-STF-5,08		**1859292**	50
UMSTBVK 2,5/15-STF-5,08		**1859302**	50
UMSTBVK 2,5/16-STF-5,08		**1859315**	50

Accessories

Insertion bridge, fully insulated, for plug-in connectors with 5.0 or 5.08 mm pitch	2	**EBP 2- 5**	**1733169**	10
Coding profile, for COMBICON headers, is inserted into the slot on the plug, red insulating material		**CP-MSTB**	**1734634**	100
Screwdriver		**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Lateral groove labeling		**SK 5,08 (see Catalog 5)**		

Accessories

EBP 2- 5	**1733169**	10
CP-MSTB	**1734634**	100
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10
SK 5,08 (see Catalog 5)		

COMBICON cross reference list

For more detailed information on the plugs listed below, see Catalog 1 or:

www.phoenixcontact.net/products

Suitable plugs	Plug-in block	PCVK 4-7,62	PCVK 4-7,62-PE	UPCV3K 4-G-7,62	MSTBHK 2,5/10-G	UMSTBHK 2,5/10-G	MSTBVK 2,5/...-G-5,08	MSTBVK 2,5/...-GF-5,08	UMSTBVK 2,5/...-G-5,08	UMSTBVK 2,5/...-GF-5,08	UMSTBVK 2,5/...-ST-5,08	UMSTBVK 2,5/...-STF-5,08
PC 4 HV/...ST-7,62		■	■	■								
PC 4 HV/...STF-7,62		■	■	■								
PC 4 HV/...STF-SH-7,62		■	■									
PC 4/...ST-7,62		■	■	■								
PC 4/...ST-7,62		■	■	■								
SPC 5/...ST-7,62		■	■	■								
SPC 5/...STF-7,62		■	■	■								
SPC 5/...STF-SH-7,62		■	■									
PC 5/...ST-7,62		■	■									
PC 5/...ST-7,62		■	■									
PC 5/...STF-SH-7,62		■	■									
MSTB 2,5/...ST(F)...					■	■	■	■	■	■		
MSTB 2,5/...STZF...							■	■	■	■		
MSTBP 2,5/...ST(F)...					■	■	■	■	■	■		
SMSTB 2,5/...ST(F)...							■	■	■	■		
MVSTBR 2,5/...ST(F)...							■	■	■	■		
MVSTBW 2,5/...ST(F)...							■	■	■	■		
FRONT-MSTB 2,5/...ST(F)...					■	■	■	■	■	■		
IC 2,5/...ST(F)...											■	■
FKC 2,5/...ST(F)...					■	■	■	■	■	■		
FKCS 2,5/...ST(F)...					■	■	■	■	■	■		
FKCN 2,5/...ST(F)...					■	■	■	■	■	■		
FKCVR 2,5/...ST(F)...					■	■	■	■	■	■		
FKCVW 2,5/...ST(F)...							■	■	■	■		
TVFKC 1,5/...ST(F)...							■		■			
TVFKCL 1,5/...ST(F)...							■		■			
TFKC 2,5/...ST(F)...							■	■	■	■		
QC 1/...ST(F)...							■	■	■	■		
QC 1,5/...ST(F)...							■	■	■	■		
FKIC 2,5/...ST(F)...											■	■
FKICS 2,5/...ST(F)...											■	■
ICV 2,5/...G...					■	■	■	■	■	■		
MSTBV 2,5/...G...											■	
MSTBVA 2,5/...G...											■	
MSTBO 2,5/...G(L)(R)...											■	
EMSTBVA 2,5/...G...											■	
CCV 2,5/...G...											■	
CCVA 2,5/...G...											■	


RT
RT

RT bolt connection terminal blocks

The RT bolt connection terminal blocks have been developed with a robust design and for the convenient wiring of ring cable lugs. The key feature of these terminal blocks is the folding wing which can be swung up and which features a captive cap nut. This ensures quick and easy ring cable lug wiring.

The integrated screw locking in the form of a spring retainer guarantees safe use, even in applications which are subject to shock and vibration.

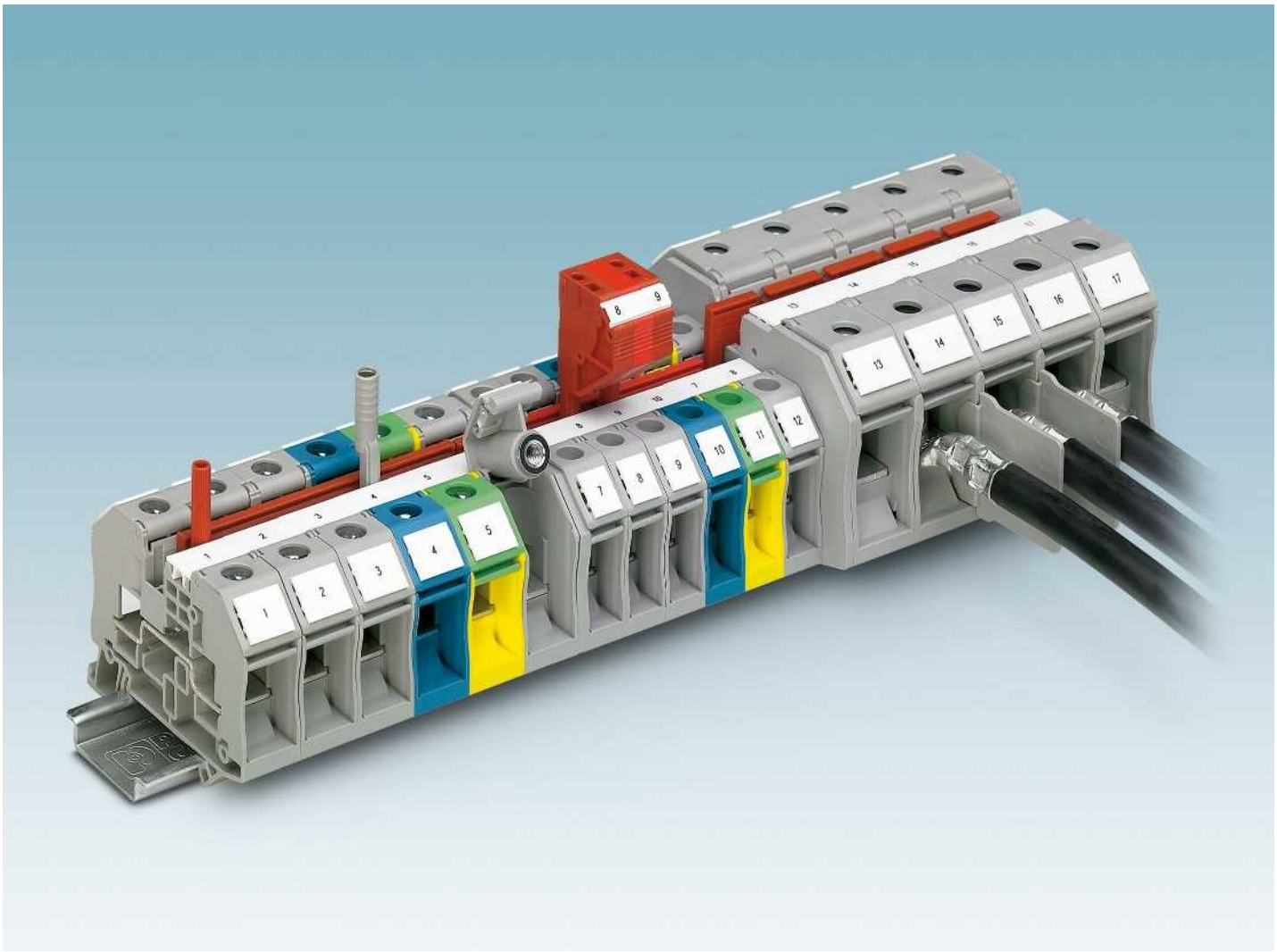
All ring cable lugs which comply with DIN 46234, DIN 46235 or DIN 46237 can be connected.

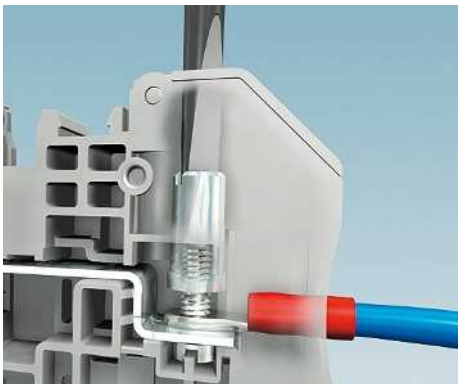
A special characteristic of the bolt connection is the often required multi-conductor connection, on which up to four cable lugs can be connected per bolt.

All kinds of conductors up to 240 mm² can be wired securely and with long-term stability.

Product range overview

RT bolt connection terminal blocks	**450**
Feed-through and test disconnect terminal blocks	**452**
Ground terminal blocks	**454**
Feed-through and test disconnect terminal blocks, open, with hexagonal nuts	**456**
Ground terminal blocks, open, with hexagonal nuts	**458**
High-current connectors	**461**





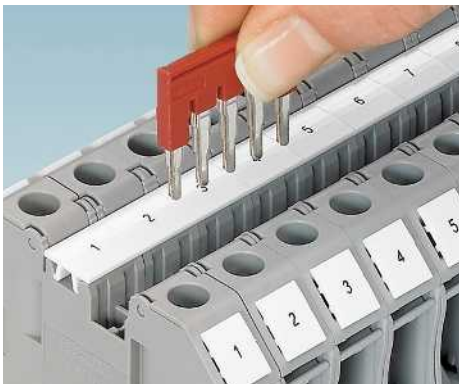
Robust and zero-maintenance

The bolt connection method is used in numerous applications. The benefits are:
– Robust contact
– Zero maintenance thanks to integrated screw retention
– Multi-conductor connection



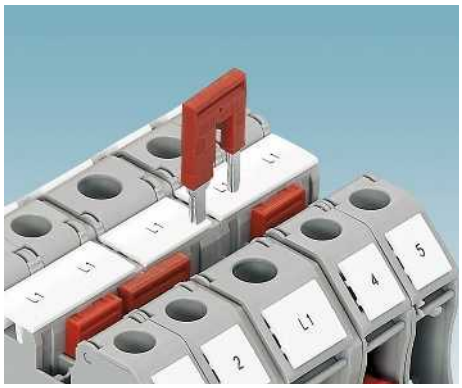
Snap-on PE foot

Ground terminal blocks of the same shape are simply snapped onto the DIN rail in order to make contact. This mechanically and electrically efficient contacting meets all the requirements of standard IEC 60947-7-2.

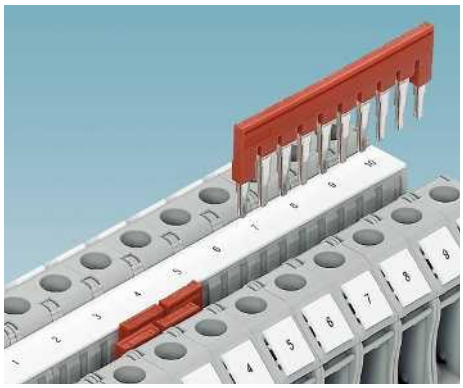


Flexible plug-in bridge system

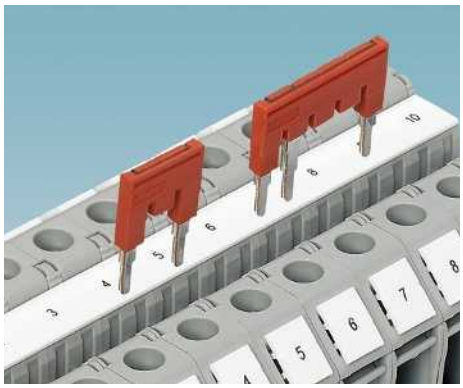
The potential distribution can be implemented at speed with the standardized plug-in bridges. Using two bridge shafts in all terminal blocks makes flexible chain, level or jumping bridges possible.



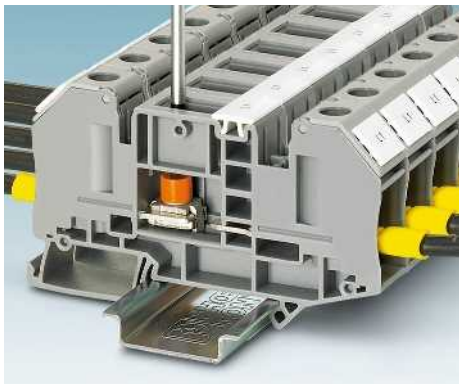
The reducing bridge enables simple connection of terminal blocks with different nominal cross sections, e.g., an RT 8 with an RT 3 terminal block. Power blocks can be created quickly using the reducing bridge.



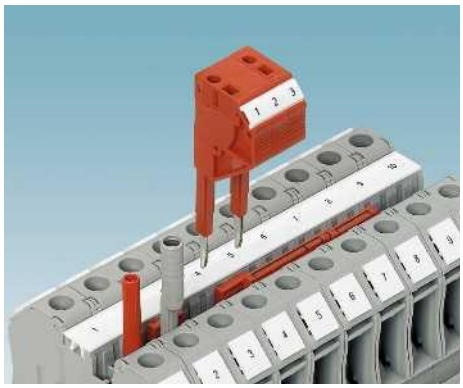
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2 to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



A jumping bridge is created by removing individual contact guides from the standard bridge. Two potentials can then be routed in parallel. The contact points can also be marked.



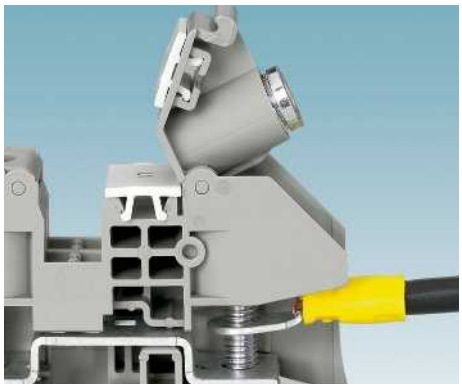
The RT 5-T is used in applications where it must be possible to separate connections. The feed-through can be opened or closed using a screwed disconnect slide without the contact points having to be released.



A test plug with a 2.3 mm diameter is available for measuring lines and a test adapter with a 4 mm diameter is available for safety test plugs. Test adapters can be implemented at speed with the modular test plugs.



Clear labeling can be easily produced with the RT terminal blocks. Large and clear marking in the middle of the terminal block guarantees reliable and quick installation.



The folding wing typical of RT terminal blocks ensures finger protection when using an insulated cable lug. Connecting the conductor is also a much simpler process thanks to the captive, integrated cap nut. Each terminal point can also be labeled on the folding wing itself.



The open RTO series is the same shape as the RT series. This features standard hexagonal nuts rather than the cap nuts used in the folding wing. A version with a transparent cover provides shock protection. The right terminal block is therefore available for every application.



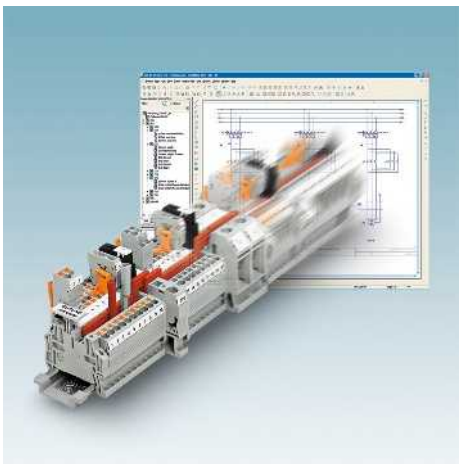
The RT and RTO terminal blocks can be wired with uninsulated cable lugs as well. These are fitted with BE-RT plug-on dividing panels to guarantee the high rated voltages.

RT ... feed-through and test disconnect terminal blocks

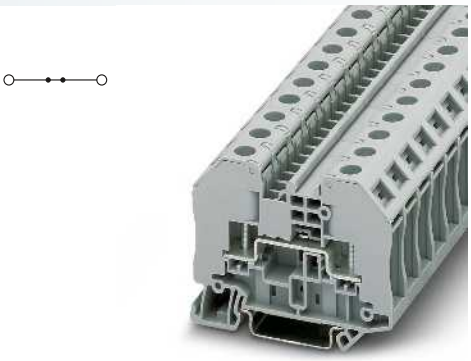
The bolt connection terminal blocks for cable lugs up to 35 mm² in accordance with DIN 46234 and DIN 46237 are distinguished by their many advantages in technical applications:

- Simple and fast connection is made possible by hinged cover wings which hold the terminal nuts captive. When the flaps are open, the bolt is freely accessible and the cable lugs can be hooked in. After the flap is closed and engages, the terminal nut is automatically positioned on the threaded bolt and can be easily tightened.
- Simple bridging and potential distribution using the patented plug-in bridges of the CLIPLINE complete system
- Testing with the standardized test adapters and test plugs of the CLIPLINE complete system
- Large-surface labeling options in the terminal center and above the terminal points
- The hinged flaps cover the live metal parts including the insulated cable lugs in the clamping area so that they are touch-proof
- A normal screwdriver can be used for the special clamping nuts
- The screws are secured against loosening by captive spring-loaded spacers
- For the RT 5-T disconnect terminal block, the specific switching state is clearly indicated by the orange disconnect slide screw
- The use of the switching lock effectively prevents unintentional switching
- For optional SB-MER ... switch plug-in bridges which can be used with RT 5... terminal blocks, see page 457

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



Notes:
When using multi-position PS-... test plugs that are mounted side by side, one DP PS-... spacer plate with the same pitch must be used alternately to achieve the terminal block width, see page 478.
For CARRIER 35-8 separating disk, with storage option for plug-in bridges, see page 159.
For further plug-in bridges, see page 472.
For further bolt connection terminal blocks, see page 618.
[1]) For installation notes on the use of accessories for Ex e applications, see page 710.
[2]) Rated voltage for 690 V open disconnect point.



2.5 (2.5) mm², 24 A, feed-through terminal block

Ex: PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12.3**	**66**	**51**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24	**1000**	**0.1 - 2.5**	**26 - 14**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	Ex IEC/ EN 60079-7
Rated voltage	[V]	1000	600	-	550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	30 / -	-	24
Rated cross section	[mm²]	2.5	-	-	2.5
Cross section range	AWG	26 - 14	-	-	26 - 14
Connection capacity, bolt connection					
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.5 - 2.5			
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6			
Connection capacity, DIN 46237					
Cable lugs, DIN 46237	[mm²]	1 - 2.5			
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6			
Color code	red	1.00 mm²			
	blue	2.50 mm²			
	yellow				
General data					
Disconnect slide: thread / torque	- / [Nm]	- / -			
Bolt thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

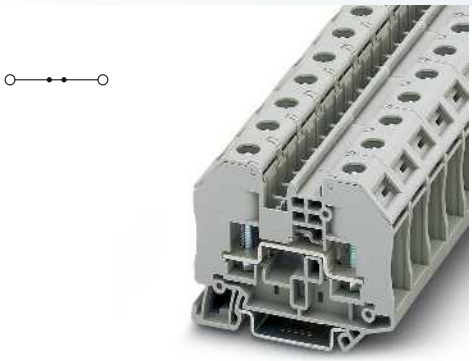
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Bolt connection terminal block, for mounting on NS 35...		gray	**RT 3**		**3049013**	50
With cable lug connection M3 and 2.3 mm Ø test socket screws		blue	**RT 3 BU**		**3049110**	50
Test disconnect terminal block, for mounting on NS 35		gray				

Accessories[1])

Cover, width 2.2 mm		gray	**D-RT 3/5**		**3049097**	50
Plug-in bridge						
	2	red	**FBS 2-6**	32 A	**3030336**	50
	3	red	**FBS 3-6**	32 A	**3030242**	50
	5	red	**FBS 5-6**	32 A	**3030349**	50
	10	red	**FBS 10-6**	32 A	**3030271**	10
	20	red	**FBS 20-6**	32 A	**3030365**	10
Switching lock, prevents unintentional operation of the disconnect slide		white				
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**		**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-6**		**3030996**	10
Path extension, to be used for uninsulated cable lugs		gray	**BE-RT 3/5**		**3049819**	100
Screwdriver			**SZS 1,0X6,5 VDE**		**1205079**	10

Labeling of wing flap	**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**
Center groove labeling	**UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)**



6 (6) mm², 41 A, feed-through terminal block

Ex:
PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data

Width	Length	Height NS 35/7,5	
16.3	**66**	**51**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**1000**	**0.1 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	550
41 / 6	30 / -	-	41
6	-	-	6
26 - 10	-	-	26 - 10
0.5 - 6			
5 / 5.3 / 10			
1 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
- / -			
M5			
2.5 - 3			
PA			
V0			

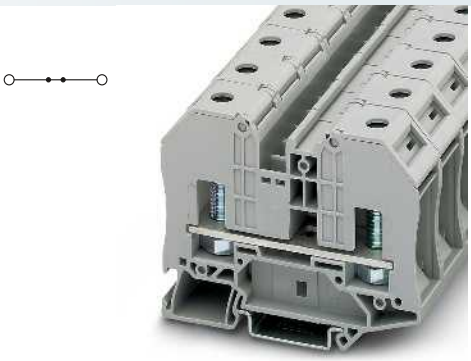
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RT 5		**3049026**	50
RT 5 BU		**3049123**	50

Accessories[1])

D-RT 3/5		**3049097**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
BE-RT 3/5		**3049819**	100
SZS 1,0X6,5 VDE		**1205079**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)
UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 5)



35 (35) mm², 125 A, feed-through terminal block

Ex:
PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data

Width	Length	Height NS 35/7,5	
20.3	**84**	**63.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
125	**1000**	**2.5 - 35**	**14 - 2**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	690
125 / 35	115 / -	-	125
35	-	-	35
14 - 2	-	-	14 - 2
2.5 - 35			
8 / 8.4 / 16			
2.5 - 6			
8 / 8.4 / 14			
2.50 mm²			
6.00 mm²			
- / -			
M8			
4.5 - 5			
PA			
V0			

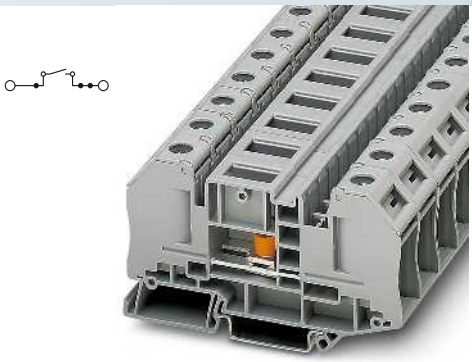
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RT 8		**3049042**	25
RT 8 BU		**3049148**	25

Accessories[1])

D-RT 8		**3049194**	50
FBS 2-10	57 A	**3005947**	10
BE-RT 8		**3049916**	50
SZS 1,0X6,5 VDE		**1205079**	10

UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 5)
ZB 20 (see online catalog)



6 (6) mm², 41 A, test disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
16.3	**91.4**	**51**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**1000²)**	**0.1 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000²)	600	-	-
41 / 6	30 / -	-	-
6	-	-	-
26 - 10	-	-	-
0.5 - 6			
5 / 5.3 / 10			
1 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
M4 / 1.5 - 1.8			
M5			
2.5 - 3			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RT 5-T		**3049039**	25

Accessories[1])

D-RT 5-T		**3049291**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
S-RT 5-T		**3049330**	50
PAI-4-N GY		**3032871**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-8		**3031005**	10
BE-RT 3/5		**3049819**	100
SZS 1,0X6,5 VDE		**1205079**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)
UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 5)

RT ...-PE ground terminal blocks



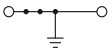
- RT bolt connection terminal blocks are characterized by user-friendly handling and a robust design
- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947−7−2 are met
  These are in particular:
- Low contact resistance
- Corrosion-proof terminal points
- Green-yellow housing
- Additional options for marking

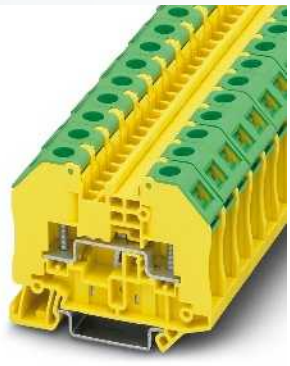
Notes:

For current carrying capacity of DIN rails, see page 716.

When using multi-position PS-... test plugs that are mounted side by side, one DP PS-... spacer plate with the same pitch must be used alternately to achieve the terminal block width, see page 478.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.





2.5 (2.5) mm², ground terminal block

Ex:
PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**12.3**	**66**	**51**
Max. electrical data				max. Ø [mm²] / AWG
				0.1 - 2.5 / **26 - 14**
		IEC 60947-7-2		Ex
Rated data		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	2.5	-	- / 2.5
Cross section range	AWG	26 - 14	-	- / 26 - 14
Connection capacity, bolt connection				
Connection capacity, DIN 46234				
Cable lugs, DIN 46234	[mm²]	0.5 - 2.5		
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6		
Connection capacity, DIN 46237				
Cable lugs, DIN 46237	[mm²]	1 - 2.5		
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6		
Color code	red	1.00 mm²		
	blue	2.50 mm²		
	yellow			
General data				
Bolt thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

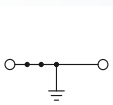
Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**RT 3-PE**	**3049411**	50

Accessories[1])

Cover, width 2.2 mm		gray	**D-RT 3/5**	**3049097**	50
Plug-in bridge					
	2	red	**FBS 2-6**	**3030336**	50
	3	red	**FBS 3-6**	**3030242**	50
	4	red	**FBS 4-6**	**3030255**	50
	5	red	**FBS 5-6**	**3030349**	50
	10	red	**FBS 10-6**	**3030271**	10
	20	red	**FBS 20-6**	**3030365**	10
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**	**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-6**	**3030996**	10
Path extension, to be used for uninsulated cable lugs		gray	**BE-RT 3/5**	**3049819**	100
Screwdriver			**SZS 1,0X6,5 VDE**	**1205079**	10

Labeling of wing flap	**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**
Center groove labeling	**UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)**





6 (6) mm², ground terminal block

Ex:
PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data

Width	Length	Height NS 35/7,5	
16.3	**66**	**51**	
		max. Ø [mm²]	AWG
		0.1 - 6	**26 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	6
26 - 10	-	-	26 - 10
0.5 - 6			
5 / 5.3 / 10			
1 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
M5			
2.5 - 3			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
RT 5-PE	**3049424**	50

Accessories[1])

D-RT 3/5	**3049097**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-8	**3031005**	10
BE-RT 3/5	**3049819**	100
SZS 1,0X6,5 VDE	**1205079**	10

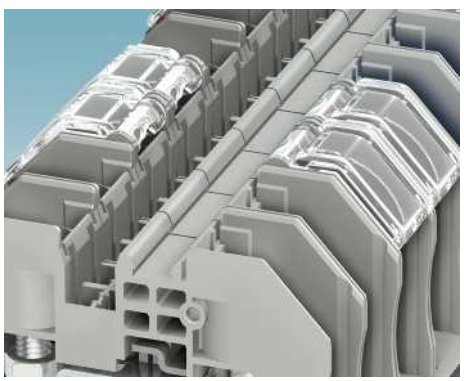
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)
UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 5)

Feed-through and test disconnect terminal blocks, open, with hexagonal nuts, RTO ...

The open bolt connection terminal blocks for cable lugs up to 35 mm² in accordance with DIN 46234 and DIN 46237 are distinguished by their many advantages in technical applications:

– Four bridge shafts per terminal block
– Simple bridging and potential distribution using the patented plug-in bridges of the CLIPLINE complete system
– Testing with the standardized test adapters and test plugs of the CLIPLINE complete system
– Terminal point always freely accessible
– A normal hexagon Allen wrench can be used for the clamping nuts. Phoenix Contact offers corresponding tools to make wiring easy
– The screws are secured against loosening by captive spring-loaded spacers
– For the RTO 5-T disconnect terminal block, the specific switching state is clearly indicated by the orange disconnect slide screw
– The use of the switching lock effectively prevents unintentional switching

The RTO ...-TC versions have a transparent shock protection hood, see figure below



Notes:

For additional information on the SF-ASD 21 cordless screwdriver, see Catalog 5.

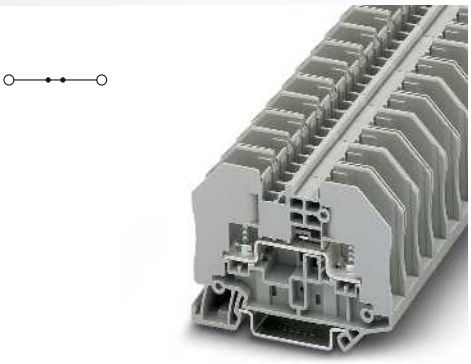
When using multi-position PS-... test plugs that are mounted side by side, one DP PS-... spacer plate with the same pitch must be used alternately to achieve the terminal block width, see page 478.

For CARRIER 35-8 separating disk, with storage option for plug-in bridges, see page 159.

For further plug-in bridges, see page 472.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.

[2]) Rated voltage for 690 V open disconnect point.



2.5 (2.5) mm², 24 A, feed-through terminal block

Ex:
PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data

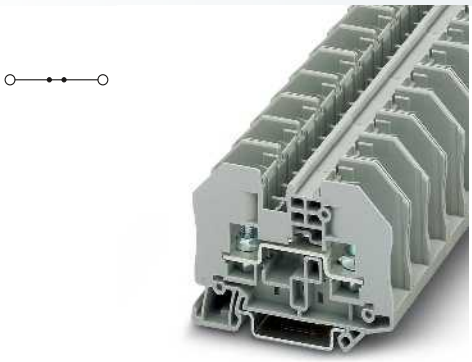
Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]	**12.3**	**66**	**49.9**
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	24	**1000**	**0.1 - 2.5**	**26 - 14**
Rated data	IEC 60947-7-1 IEC	UL/CUL	CSA	Ex IEC/ EN 60079-7
Rated voltage [V]	1000	600	-	550
Nominal current / cross section [A] / [mm²]	24 / 2.5	30 / -	-	24
Rated cross section [mm²]	2.5	-	-	2.5
Cross section range AWG	26 - 14	-	-	26 - 14
Connection capacity, bolt connection				
Connection capacity, DIN 46234				
Cable lugs, DIN 46234 [mm²]	0.5 - 2.5			
Connection bolt / hole diameter / width [mm]	3 / 3.2 / 6			
Connection capacity, DIN 46237				
Cable lugs, DIN 46237 [mm²]	1 - 2.5			
Connection bolt / hole diameter / width [mm]	3 / 3.2 / 6			
Color code red	1.00 mm²			
blue	2.50 mm²			
yellow				
General data				
Disconnect slide: thread / torque - / [Nm]	- / -			
Bolt thread	M3			
Tightening torque [Nm]	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Bolt connection terminal block, for mounting on NS 35...		gray	**RTO 3**		**3049518**	50
		blue	**RTO 3 BU**		**3049660**	50
With transparent shock-protection hood		gray	**RTO 3-TC**		**3049945**	50
		blue	**RTO 3-TC BU**		**3049835**	50
Test disconnect terminal block, for mounting on NS 35		gray				
With transparent shock-protection hood		gray				

Accessories[1])

Cover, width 2.2 mm		gray	**D-RT 3/5**		**3049097**	50
Plug-in bridge						
	2	red	**FBS 2-6**	32 A	**3030336**	50
	10	red	**FBS 10-6**	32 A	**3030271**	10
	20	red	**FBS 20-6**	32 A	**3030365**	10
Switching jumper, plug-in						
	2	gray/orange				
	3	gray/orange				
	4	gray/orange				
Switching lock, prevents unintentional operation of the disconnect slide		white				
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**		**3032871**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-6**		**3030996**	10
Path extension, to be used for uninsulated cable lugs		gray	**BE-RT 3/5**		**3049819**	100
Socket wrench, hexagon			**SHN 5.5**		**1209855**	1
Center groove labeling			**UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)**			



6 (6) mm², 41 A, feed-through terminal block

Ex: PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data

Width	Length	Height NS 35/7,5	
16.3	**66**	**49.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**1000**	**0.1 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	550
41 / 6	30 / -	-	41
6	-	-	6
26 - 10	-	-	26 - 10
0.5 - 6			
5 / 5.3 / 10			
1 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
- / -			
M5			
2.5 - 3			
PA			
V0			

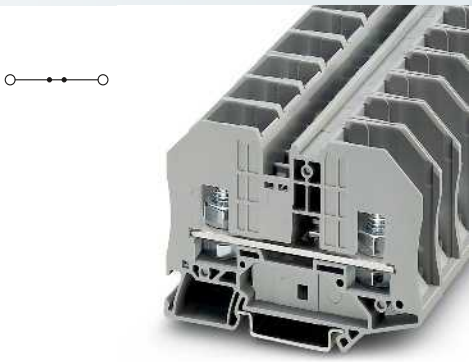
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RTO 5		**3049521**	50
RTO 5 BU		**3049767**	50
RTO 5-TC		**3049961**	50
RTO 5-TC BU		**3049851**	50

Accessories[1])

D-RT 3/5		**3049097**	50
FBS 2-8	41 A	**3030284**	10
FBS 10-8	41 A	**3030323**	10
SB-MER 2-8		**3000587**	10
SB-MER 3-8		**3000588**	10
SB-MER 4-8		**3000589**	10
PAI-4-N GY		**3032871**	10
PS-8		**3031005**	10
BE-RT 3/5		**3049819**	100
SHN 8		**1209868**	1

UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 5)



35 (35) mm², 125 A, feed-through terminal block

Ex: PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data

Width	Length	Height NS 35/7,5	
20.2	**84**	**62.2**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
125	**1000**	**2.5 - 35**	**14 - 2**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	-	690
125 / 35	115 / -	-	125
35	-	-	35
14 - 2	-	-	14 - 2
2.5 - 35			
8 / 8.4 / 16			
2.5 - 6			
8 / 8.4 / 14			
2.50 mm²			
6.00 mm²			
- / -			
M8			
4.5 - 5			
PA			
V0			

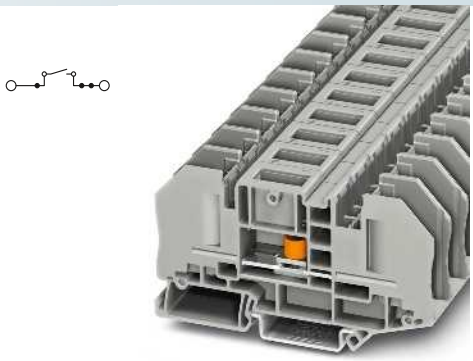
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RTO 8		**3049343**	25
RTO 8 BU		**3049864**	25
RTO 8-TC		**3050002**	25
RTO 8-TC BU		**3049929**	25

Accessories[1])

D-RT 8		**3049194**	50
FBS 2-10	57 A	**3005947**	10

ZB 20 (see online catalog)



6 (6) mm², 41 A, test disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
16.3	**91.4**	**49.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**1000²)**	**0.1 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000²)	600	-	-
41 / 6	30 / -	-	-
6	-	-	-
26 - 10	-	-	-
0.5 - 6			
5 / 5.3 / 10			
1 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
M4 / 1.5 - 1.8			
M5			
2.5 - 3			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RTO 5-T		**3049233**	25
RTO 5-T-TC		**3049990**	25

Accessories[1])

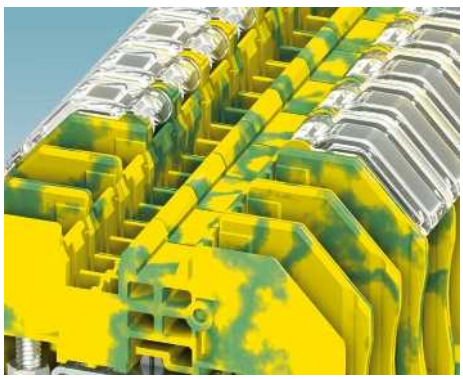
D-RT 5-T		**3049291**	50
FBS 2-8	41 A	**3030284**	10
FBS 10-8	41 A	**3030323**	10
SB-MER 2-8		**3000587**	10
SB-MER 3-8		**3000588**	10
SB-MER 3-8		**3000588**	10
S-RT 5-T		**3049330**	50
PAI-4-N GY		**3032871**	10
PS-8		**3031005**	10
BE-RT 3/5		**3049819**	100
SHN 8		**1209868**	1

UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 5)

Ground terminal blocks, open, with hexagonal nuts, RTO ...-PE

– Same shape and pitch as the feed-through terminal blocks
– Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
– All the requirements of standard IEC 60947−7−2 are met
  These are in particular:
– Low contact resistance
– Corrosion-proof terminal points
– Green-yellow housing and
– Another labeling option

The RTO ...−PE−TC versions have a transparent shock protection hood, see figure below



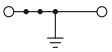
Notes:

For current carrying capacity of DIN rails, see page 716.

For additional information on the SF-ASD 21 cordless screwdriver, see Catalog 5.

When using multi-position PS-... test plugs that are mounted side by side, one DP PS-... spacer plate with the same pitch must be used alternately to achieve the terminal block width, see page 478.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.





2.5 (2.5) mm², ground terminal block

Ex:
PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data

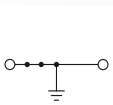
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12.3**	**66**	**49.9**	
Max. electrical data				max. Ø [mm²]	AWG
				0.1 - 2.5	**26 - 14**
		IEC 60947-7-2			
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	- / -	-	-
Rated cross section	[mm²]	2.5	-	-	2.5
Cross section range	AWG	26 - 14	-	-	26 - 14
Connection capacity, bolt connection					
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.5 - 2.5			
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6			
Connection capacity, DIN 46237					
Cable lugs, DIN 46237	[mm²]	1 - 2.5			
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6			
Color code	red	1.00 mm²			
	blue	2.50 mm²			
	yellow				
General data					
Bolt thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 35...		green-yellow	**RTO 3-PE**	**3049615**	50
With transparent shock-protection hood		green-yellow	**RTO 3-PE-TC**	**3049958**	50

Accessories[1])

Cover, width 2.2 mm		gray	**D-RT 3/5**	**3049097**	50
Plug-in bridge					
	2	red	**FBS 2-6**	**3030336**	50
	3	red	**FBS 3-6**	**3030242**	50
	4	red	**FBS 4-6**	**3030255**	50
	5	red	**FBS 5-6**	**3030349**	50
	10	red	**FBS 10-6**	**3030271**	10
	20	red	**FBS 20-6**	**3030365**	10
Test adapter, 4-mm test socket hole		gray	**PAI-4-N GY**	**3032871**	10
Test plug metal part, 2.3 mm Ø			**MPS-MT**	**0201744**	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	**0201676**	10
Modular test plug, for the individual assembly of test plug strips		red	**PS-6**	**3030996**	10
Path extension, to be used for uninsulated cable lugs		gray	**BE-RT 3/5**	**3049819**	100
Socket wrench, hexagon			**SHN 5.5**	**1209855**	1
Center groove labeling			**UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)**		





6 (6) mm², ground terminal block

Ex:
PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data

Width	Length	Height NS 35/7,5	
16.3	**66**	**49.9**	
		max. Ø [mm²]	AWG
		0.1 - 6	**26 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	6
26 - 10	-	-	26 - 10
0.5 - 6			
5 / 5.3 / 10			
1 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
M5			
2.5 - 3			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
RTO 5-PE	**3049628**	50
RTO 5-PE-TC	**3049974**	50

Accessories[1])

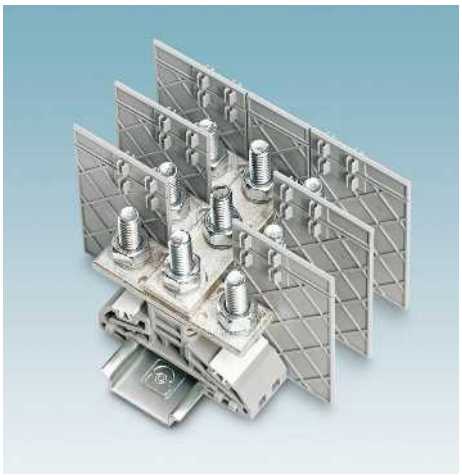
D-RT 3/5	**3049097**	50
FBS 2-8	**3030284**	10
FBS 3-8	**3030297**	10
FBS 4-8	**3030307**	10
FBS 5-8	**3030310**	10
FBS 10-8	**3030323**	10
PAI-4-N GY	**3032871**	10
MPS-MT	**0201744**	10
MPS-IH RD	**0201676**	10
PS-8	**3031005**	10
BE-RT 3/5	**3049819**	100
SHN 8	**1209868**	1

UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 5)

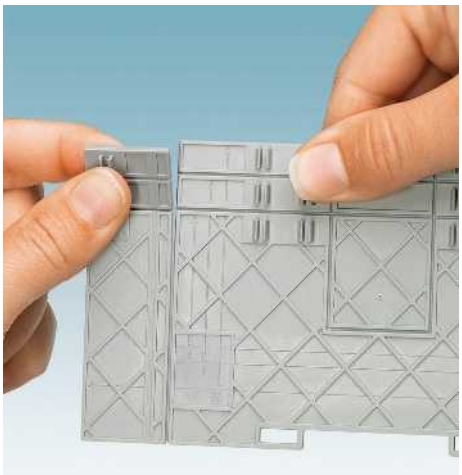
HV ... high-current connectors



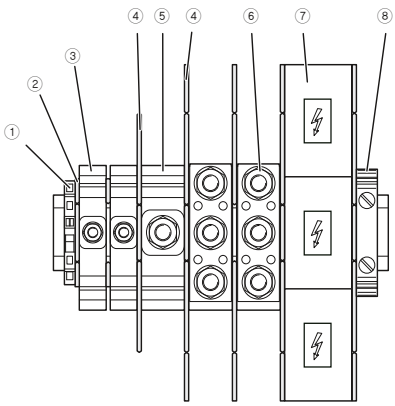
– Secure connection of up to 4 conductors with cable lugs according to DIN 46234, 46235, and 46237 in very tight spaces
– Spring washers are used to prevent hexagonal nuts from loosening
– Extensive range of accessories for safe and comfortable wiring of conductors up to 120 mm²



– Two and three-pos. connection rails are available for potential distribution
– The feed-through window provided in the partition plates can be easily removed for mounting the connection rails



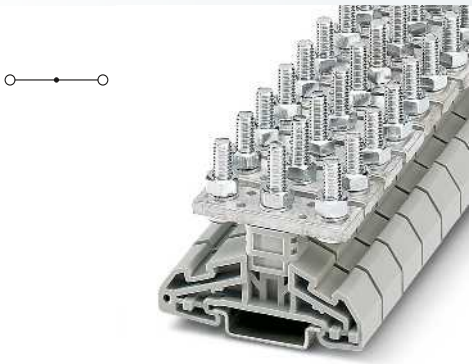
– Two different partition plates can be used for the family of single and twin bolt terminal blocks
– Labeling the partition plates allows their height and length to be adapted at the respective bolt terminal blocks



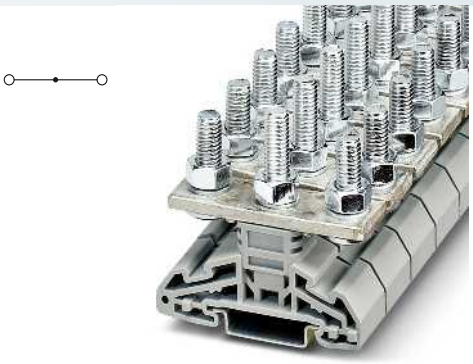
① CLIPFIX 35-5 end bracket
② HV M12/1-TP partition plate
③ HV M5/1 or HV M6/1 high-current connectors
④ HV M12/2-TP partition plate
⑤ HV M8/1, HV M10/1 or HV M12/1 high-current connectors
⑥ HV M6/2, HV M8/2 or HV M10/2 high-current connectors
⑦ HV M10/1-AP cover
⑧ E/AL-NS 35 end bracket

Dimensions		
		[mm]
Max. electrical data		
Rated data		
Rated voltage		[V]
Nominal current / cross section		[A] / [mm²]
Rated cross section		[mm²]
Cross section range		AWG
Connection capacity, bolt connection		
Cable lugs, DIN 46234		[mm²]
Cable lugs, DIN 46235		[mm²]
Cable lugs, DIN 46237		[mm²]
General data		
Bolt length		[mm]
Screw thread		
Tightening torque		[Nm]
Insulating material		
Inflammability class according to UL 94		

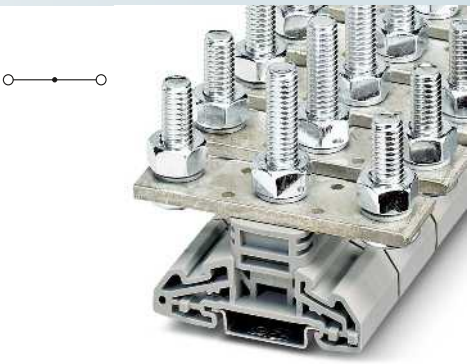
Description	No. of pos.	Color
High-current connectors, for mounting NS 35...		gray
Connection rail, for cross connection of high-current connectors		
	2	silver
	3	silver
Reducing bridge, for connecting HV M8/1 to HV M6/1		
Reducing bridge, for connecting HV M10/1 to HV M6/1		
Separating plate		gray
Cover		gray
Adhesive warning plate, self-adhesive, black print: Lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 13 x 23.5 mm		yellow
Adhesive warning plate, self-adhesive, black print: lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 32 x 26 mm		yellow
End bracket, for snapping onto NS 35, 5.15 mm wide, can be marked with ZB 5 and UCT-EM (30X5), parking option for bridges and test plugs		gray
Aluminum end bracket, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be labeled with ZB 10, for mounting on NS 35...		silver
Lateral groove labeling		



35 (35) mm², 125 A, M6 bolt terminal block



50 (50) mm², 150 A, M8 bolt terminal block



120 (120) mm², 269 A, M10 bolt terminal block

Technical data

Width	Length	Height NS 35/7,5	
16	**67**	**58**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
125	**1000**	**2.5 - 35**	**14 - 2**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
125 / 35	-	120 / -	-
35	-	-	-
14 - 2	-	4	-
2.5 - 35			
6 - 35			
2.5 - 6			
16			
M6			
3 - 6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
HV M6/2		**3049547**	25

Accessories

HV M6/1-VS 2	125 A	**3049262**	10
HV M6/1-VS 3	125 A	**3049275**	10
HV M12/2-TP		**3049709**	25
HV M6/1-AP		**3049903**	25
WS-4K		**1004584**	10
CLIPFIX 35-5		**3022276**	50

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
21	**67**	**66**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
150	**1000**	**2.5 - 50**	**14 - 1/0**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
150 / 50	-	130	-
50	-	-	-
14 - 1/0	-	3	-
2.5 - 50			
6 - 35			
- 10			
21			
M8			
6 - 12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
HV M8/2		**3049550**	25

Accessories

HV M8/1-VS 2	150 A	**3049369**	10
HV M8/1-VS 3	150 A	**3049372**	10
HV M8/1 M6/1-STL		**3071094**	10
HV M12/2-TP		**3049709**	25
HV M8/1-AP		**3049398**	25
WS-4K		**1004584**	10
E/AL-NS 35		**1201662**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
32	**67**	**76**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
269	**1000**	**6 - 120**	**10 - 250 kcmil**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
269 / 120	-	225 / -	-
120	-	-	-
10 - 250 kcmil	-	00	-
6 - 120			
10 - 95			
- 6			
26			
M10			
10 - 20			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
HV M10/2		**3049563**	10

Accessories

HV M10/1-VS 2	269 A	**3049466**	10
HV M10/1-VS 3	269 A	**3049479**	10
HV M10/1 M6/1-STL2		**3071081**	10
HV M12/2-TP		**3049709**	25
HV M10/1-AP		**3049495**	10
WS-4K		**1004584**	10
WS-2K		**1004513**	10
E/AL-NS 35		**1201662**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

RT bolt connection terminal blocks

HV ... high-current connectors

- The bolt connection terminal blocks for cable lugs according to DIN 46234, DIN 46235, and DIN 46237 are available as part of the UHV ... high-current connector range
- For connecting up to four conductors
- Versions with connection bolts of between M5 and M12
- Extensive, supplementary accessories



16 (16) mm², 76 A, M5 bolt terminal block



35 (35) mm², 125 A, M6 bolt terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**13**	**67**	**58**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		76	**1000**	**0.1 - 16**	**24 - 6**
Rated data		IEC 60947-7-1			
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	-	1000	-
Nominal current / cross section	[A] / [mm²]	76 / 16	-	60 / -	-
Rated cross section	[mm²]	16	-	-	-
Cross section range	AWG	24 - 6	-	8	-
Connection capacity, bolt connection					
Cable lugs, DIN 46234	[mm²]	0.1 - 16			
Cable lugs, DIN 46235	[mm²]	6 - 10			
Cable lugs, DIN 46237	[mm²]	1 - 6			
General data					
Bolt length	[mm]	22.5			
Screw thread		M5			
Tightening torque	[Nm]	2 - 4			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

Width		Length	Height NS 35/7,5		
16		**67**	**58**		
$I_{max.}$ [A]		$U_{max.}$ [V]	max. Ø [mm²]	AWG	
125		**1000**	**2.5 - 35**	**14 - 2**	
IEC 60947-7-1					
IEC		UL/CUL	CSA	IEC/ EN 60079-7	
1000		-	1000	-	
125 / 35		-	115 / -	-	
35		-	-	-	
14 - 2		-	4	-	
2.5 - 35					
6 - 35					
2.5 - 6					
22.5					
M6					
3 - 6					
PA					
V0					

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
High-current connectors, for mounting NS 35...		gray	**HV M5/1**		**3049107**	25

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
HV M6/1		**3049204**	25

Accessories

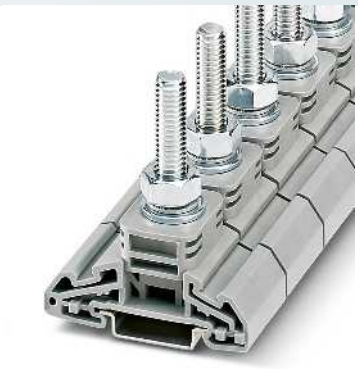
Connection rail, for cross connection of high-current connectors						
	2	silver	**HV M5/1-VS 2**	76 A	**3049437**	10
	3	silver	**HV M5/1-VS 3**	76 A	**3049440**	10
Reducing bridge, for connecting HV M8/1 to HV M6/1						
Reducing bridge, for connecting HV M10/1 to HV M6/1						
Separating plate		gray	**HV M12/1-TP**		**3049602**	25
Cover		gray	**HV M5/1-AP**		**3049806**	25
Adhesive warning plate, self-adhesive, black print: lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 13 x 23.5 mm		yellow	**WS-4K**		**1004584**	10
Adhesive warning plate, self-adhesive, black print: Lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 32 x 26 mm		yellow				
End bracket, for snapping onto NS 35, 5.15 mm wide, can be marked with ZB 5 and UCT-EM (30X5), parking option for bridges and test plugs		gray	**CLIPFIX 35-5**		**3022276**	50
Aluminum end bracket, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be labeled with ZB 10, for mounting on NS 35...		silver				
Lateral groove labeling			**UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)**			

Accessories

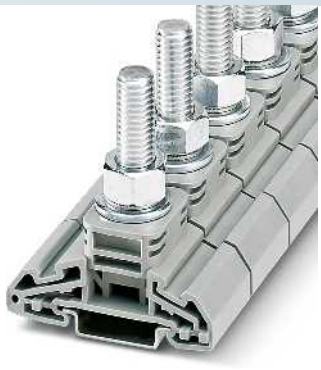
125 A	**3049262**	10	**HV M6/1-VS 2**	
125 A	**3049275**	10	**HV M6/1-VS 3**	
	3049602	25	**HV M12/1-TP**	
	3049903	25	**HV M6/1-AP**	
	1004584	10	**WS-4K**	
	3022276	50	**CLIPFIX 35-5**	
			UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)	



50 (50) mm², 150 A, M8 bolt terminal block



120 (120) mm², 269 A, M10 bolt terminal block



120 (120) mm², 269 A, M12 bolt terminal block

Technical data

Width	Length	Height NS 35/7,5	
21	**67**	**66**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
150	**1000**	**2.5 - 50**	**14 - 1/0**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
150 / 50	-	125 / -	-
50	-	-	-
14 - 1/0	-	3	-
2.5 - 50			
6 - 35			
6 - 10			
30.5			
M8			
6 - 12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
HV M8/1		**3049301**	25

Accessories

HV M8/1-VS 2	150 A	**3049369**	10
HV M8/1-VS 3	150 A	**3049372**	10
HV M8/1 M6/1-STL		**3071094**	10
HV M12/2-TP		**3049709**	25
HV M8/1-AP		**3049398**	25
WS-4K		**1004584**	10
CLIPFIX 35-5		**3022276**	50

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
32	**67**	**76**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
269	**1000**	**6 - 120**	**10 - 250 kcmil**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
269 / 120	-	220 / -	-
120	-	-	-
10 - 250 kcmil	-	00	-
6 - 120			
10 - 95			
- 6			
40.5			
M10			
10 - 20			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
HV M10/1		**3049408**	10

Accessories

HV M10/1-VS 2	269 A	**3049466**	10
HV M10/1-VS 3	269 A	**3049479**	10
HV M10/1 M6/1-STL2		**3071081**	10
HV M12/2-TP		**3049709**	25
HV M10/1-AP		**3049495**	10
WS-4K		**1004584**	10
WS-2K		**1004513**	10
E/AL-NS 35		**1201662**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
32	**67**	**76**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
269	**1000**	**6 - 120**	**10 - 250 kcmil**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
269 / 120	-	220	-
120	-	-	-
10 - 250 kcmil	-	0	-
6 - 120			
10 - 95			
-			
40.5			
M12			
14 - 31			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
HV M12/1		**3049505**	10

Accessories

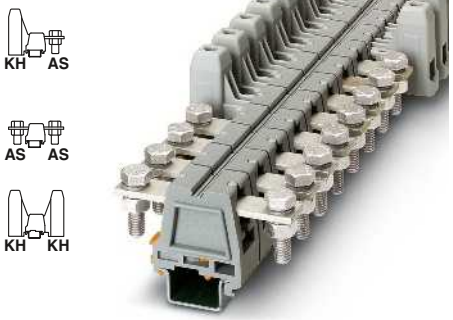
HV M12/1-VS 2	269 A	**3049631**	10
HV M12/1-VS 3	269 A	**3049644**	10
HV M12/2-TP		**3049709**	25
HV M10/1-AP		**3049495**	10
WS-4K		**1004584**	10
WS-2K		**1004513**	10
E/AL-NS 35		**1201662**	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

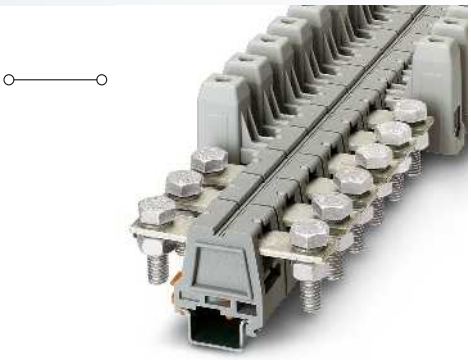
UHV ... high-current connectors

– The UHV ... high-current connectors are available in several versions
– Versions are available with a cable lug or direct connection and there is a mixed version of both connection types
– The comprehensive range of accessories ensures safe and user-friendly wiring of conductors up to 240 mm²

Notes:
In the case of UHV 240..., the BG/F flat bracket must be mounted.
1) See page 466.



25 (25) mm², 101 A, feed-through terminal block



50 (50) mm², 150 A, feed-through terminal block

Technical data

Dimensions		Width	Length	Height NS 35/15	
	[mm]	**26**	**95**	**72**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		101	**1000**	**6 - 25**	**10 - 3**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	600	-
Nominal current / cross section	[A] / [mm²]	101 / 25	85 / -	100 / -	-
Rated cross section	[mm²]	25	-	-	-
Cross section range	AWG	10 - 3	6-4	6-4	-
Terminal sleeve connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	6 - 25	10 - 25	4 - 25	4 - 25
Two conductors (of the same type)	[mm²]	2.5 - 10	4 - 10	2.5 - 10	-
Connection capacity, bolt connection					
Bolt diameter	[mm]	8 mm			
Hole diameter / power rail	[mm]	8.4 / 15 mm x 3 mm			
Cable lugs, DIN 46234	[mm²]	2.5 - 25			
Cable lugs, DIN 46235	[mm²]	16 - 25			
General data					
Stripping length	[mm]	21			
Terminal sleeve: thread / torque	- / [Nm]	M5 / 4 - 4.5			
Screw set AS: screw thread / torque	- / [Nm]	M8 / 15 - 20			
Insulating material		PA-F			
Inflammability class according to UL 94		HB			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
High-current connector, with terminal sleeve **KH** on one side, and screw set **AS** on the other side		gray	**UHV 25-KH/AS**	**2130101**	10
High-current connector, screw set **AS** on both sides, for rail or cable lug connection		gray	**UHV 25-AS/AS**	**2130004**	10
High-current connector, with terminal sleeves **KH** on both sides, for direct cable connection		gray	**UHV 25-KH/KH**	**2130156**	10

Accessories

Covering hood, as retrofit snap-on shock protection for cable lug connection		gray	**UHV 25-AH**	**2130431**	10
Connection rail, for cross connection					
	2	silver	**UHV 25-VS 2**	**2130541**	10
	3	silver	**UHV 25-VS 3**	**2130554**	10
Separating plate		gray	**UHV -TP1**	**2130402**	10
		gray			
Insertion profile, levels out the prism-shaped sleeve when using flat-ribbon conductors1)		silver			
End piece, to be fitted at both sides of the terminal strip, 7.2 mm wide		gray	**UHV -E**	**2130428**	10
Screwdriver			**SZS 1,0X6,5 VDE**	**1205079**	10
Allen wrench, fully insulated, safety tool in accordance with EN 60900, length: 150 mm, handle width: 110 mm					
Center groove labeling			**UC-TM 10 (see Catalog 5)**		

Technical data

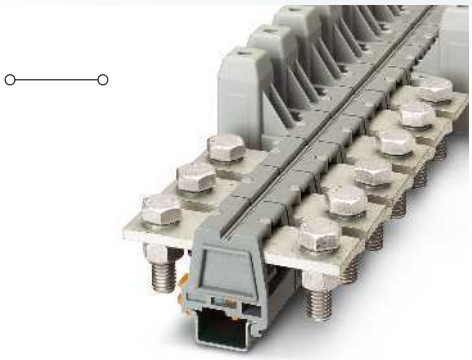
		Width	Length	Height NS 35/15	
	[mm]	**32**	**104**	**78**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		150	**1000**	**16 - 50**	**6 - 1/0**
		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	600	-
Nominal current / cross section	[A] / [mm²]	150 / 50	150 / -	125 / -	-
Rated cross section	[mm²]	50	-	-	-
Cross section range	AWG	6 - 1/0	6-1/0	6-1/0	-
		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	16 - 50	25 - 50	25 - 50	25 - 50
Two conductors (of the same type)	[mm²]	10 - 16	10 - 16	10 - 16	-
Bolt diameter	[mm]	10 mm			
Hole diameter / power rail	[mm]	10.5 / 20 mm x 3 mm			
Cable lugs, DIN 46234	[mm²]	6 - 50			
Cable lugs, DIN 46235	[mm²]	16 - 50			
Stripping length	[mm]	26			
Terminal sleeve: thread / torque	- / [Nm]	M6 / 6 - 8			
Screw set AS: screw thread / torque	- / [Nm]	M10 / 25 - 30			
Insulating material		PA-F			
Inflammability class according to UL 94		HB			

Ordering data

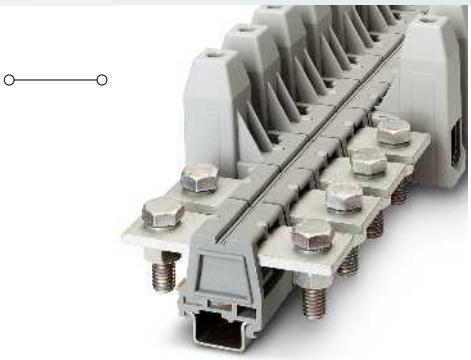
Type	Order No.	Pcs. / Pkt.
UHV 50-KH/AS	**2130114**	10
UHV 50-AS/AS	**2130017**	10
UHV 50-KH/KH	**2130169**	10

Accessories

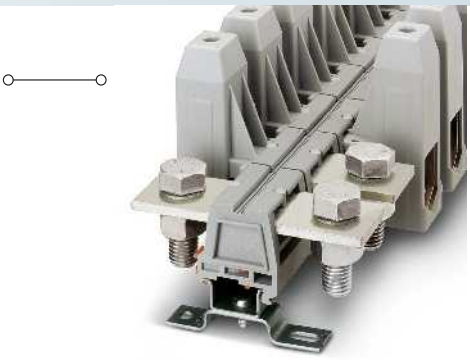
UHV 50-AH	**2130444**	10
UHV 50-VS 2	**5030897**	10
UHV 50-VS 3	**2130622**	10
UHV -TP1	**2130402**	10
UKH 50 EP	**3009228**	10
UHV -E	**2130428**	10
SZS 1,2X8,0 VDE	**1205082**	10
UC-TM 10 (see Catalog 5)		



95 (95) mm², 232 A, feed-through terminal block



150 (150) mm², 309 A, feed-through terminal block



240 (240) mm², 415 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/15	
40	**114**	**86**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
232	**1000**	**25 - 95**	**3 - 3/0**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	600	-
232 / 95	230 / -	200 / -	-
95	-	-	-
3 - 3/0	2-4/0	2-4/0	-
solid	stranded	Ferrule Without / with plastic sleeve	
25 - 95	35 - 95	35 - 95	35 - 95
25 - 35	25 - 35	16 - 35	-
12 mm			
13 / 30 mm x 5 mm			
10 - 95			
25 - 95			
29			
M8 / 15 - 20			
M12 / 25 - 30			
PA-F			
HB			

Ordering data

Type	Order No.	Pcs. / Pkt.
UHV 95-KH/AS	**2130127**	10
UHV 95-AS/AS	**2130020**	10
UHV 95-KH/KH	**2130172**	10

Accessories

UHV 95-AH	**2130457**	10
UHV 95-VS 2	**2130635**	10
UHV 95-VS 3	**2130648**	10
UHV -TP2	**2130415**	10
UKH 95 EP	**3009231**	10
UHV -E	**2130428**	10
VDE-ISS 8	**1201947**	1

UC-TM 10 (see Catalog 5)

Technical data

Width	Length	Height NS 35/15	
46	**119**	**100**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
309	**1000**	**35 - 150**	**2 - 300 kcmil**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	600	-
309 / 150	285 / -	275 / -	-
150	-	-	-
2 - 300 kcmil	2-300	2-300	-
solid	stranded	Ferrule Without / with plastic sleeve	
35 - 150	50 - 150	50 - 150	50 - 150
25 - 50	35 - 50	25 - 50	-
12 mm			
13 / 35 mm x 5 mm			
10 - 150			
25 - 150			
34			
M10 / 25 - 30			
M12 / 25 - 30			
PA-F			
HB			

Ordering data

Type	Order No.	Pcs. / Pkt.
UHV150-KH/AS	**2130130**	10
UHV150-AS/AS	**2130033**	10
UHV150-KH/KH	**2130185**	10

Accessories

UHV150-AH	**2130460**	10
UHV150-VS 2	**2130651**	10
UHV150-VS 3	**2130664**	10
UHV -TP2	**2130415**	10
UKH 150/240 EP	**3009244**	10
UHV -E	**2130428**	10
VDE-ISS 8	**1201947**	1

UC-TM 10 (see Catalog 5)

Technical data

Width	Length	Height NS 35/15	
53	**126.5**	**105.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
415	**1000**	**70 - 240**	**2/0 - 500 kcmil**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	600	600	-
415 / 240	380 / -	400 / -	-
240	-	-	-
2/0 - 500 kcmil	2/0-500	1/0-500	-
solid	stranded	Ferrule Without / with plastic sleeve	
70 - 240	70 - 240	70 - 180	70 - 185
35 - 95	50 - 95	35 - 50	-
16 mm			
17 / 40 mm x 5 mm			
25 - 240			
50 - 185			
34			
M10 / 25 - 30			
M16 / 30 - 35			
PA-F			
HB			

Ordering data

Type	Order No.	Pcs. / Pkt.
UHV240-KH/AS	**2130143**	5
UHV240-AS/AS	**2130046**	5
UHV240-KH/KH	**2130198**	5

Accessories

UHV240-AH	**2130473**	10
UHV240-VS 2	**2130677**	10
UHV240-VS 3	**2130680**	10
UHV -TP2	**2130415**	10
UKH 150/240 EP	**3009244**	10
UHV -E	**2130428**	10
VDE-ISS 8	**1201947**	1

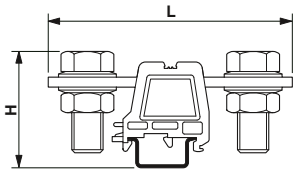
UC-TM 10 (see Catalog 5)

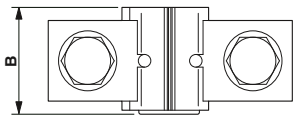
RT bolt connection terminal blocks

Bolt connection terminal blocks are available either in a single-bolt or double-bolt design or with a screw/bolt mixed connection. The latter are fitted as high-current connectors with a terminal sleeve connection on one side and with a screw set for the connection of cable lugs on the other. The dimensions of the various types are shown in the following drawings and tables.

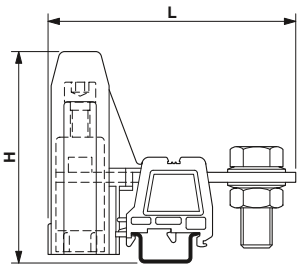
Secure cable lug connection

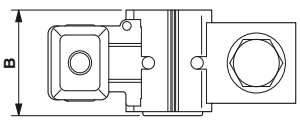
Cable lugs are securely connected in UHV..., HV..., and RT... high-current terminal blocks using the screw set. Spring washers are used for screw locking. Cable lugs according to DIN 46234, DIN 46235, and DIN 46237 can be connected. A two-conductor connection is also possible where one conductor must be connected under the current bar using a cable lug and the other must be connected to the current bar. See diagram below right.



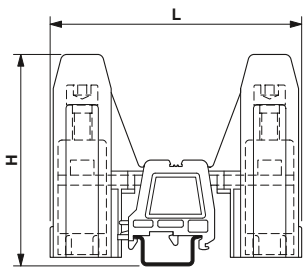


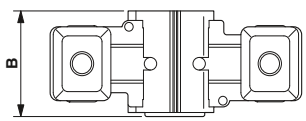
UHV...AS/AS



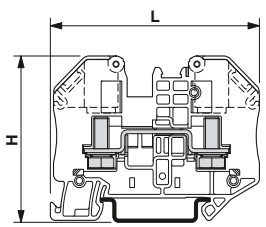


UHV...KH/AS





UHV...KH/KH



RT ... / RTO ...

High-current connector with bolt connection
Universal high-current connector
Dimensions in [mm] / [inch]

Type	H	L	W
UHV 25-AS/AS	53 / 2.087	88 / 3.456	26 / 1.024
UHV 25-KH/AS	72 / 2.835	95 / 3.74	26 / 1.024
UHV 25-KH/KH	72 / 2.835	102.5 / 4.035	26 / 1.024
UHV 50-AS/AS	54.5 / 2.146	95 / 3.74	32 / 1.26
UHV 50-KH/AS	78 / 3.071	104 / 4.094	32 / 1.26
UHV 50-KH/KH	78 / 3.071	113.5 / 4.469	32 / 1.26
UHV 95-AS/AS	56 / 2.205	110 / 4.331	40 / 1.575
UHV 95-KH/AS	86 / 3.386	114 / 4.488	40 / 1.575
UHV 95-KH/KH	86 / 3.386	118.5 / 4.665	40 / 1.575
UHV 150-AS/AS	56 / 2.205	110 / 4.331	46 / 1.811
UHV 150-KH/AS	100 / 3.937	119 / 4.685	46 / 1.811
UHV 150-KH/KH	100 / 3.937	128.5 / 5.059	46 / 1.811
UHV 240-AS/AS	58 / 2.283	125 / 4.921	53 / 2.087
UHV 240-KH/AS	105.5 / 4.154	126.5 / 4.980	53 / 2.087
UHV 240-KH/KH	105.5 / 4.154	128.5 / 5.059	53 / 2.087

CLIPLINE complete bolt connection
Ring-lug terminal - RT
Dimensions in [mm] / [inch]

Type	H	L	W
RT 3	51 / 2.007	65 / 2.559	12.2 / 0.480
RT 5	51 / 2.007	65 / 2.559	16.2 / 0.637
RT 5-T	51 / 2.007	90.4 / 3.559	16.2 / 0.637
RT 8	63.8 / 2.511	84 / 3.307	20.2 / 0.795

CLIPLINE complete bolt connection
Ring-lug terminal open style - RTO
Dimensions in [mm] / [inch]

Type	H	L	W
RTO 3	49.9 / 1.965	65 / 2.559	12.2 / 0.480
RTO 5	49.9 / 1.965	65 / 2.559	16.2 / 0.637
RTO 5-T	49.9 / 1.965	90.4 / 3.559	16.2 / 0.637
RTO 8	62.2 / 2.449	84 / 3.307	20.2 / 0.795

Secure flat conductor connection

Flat conductors can be reliably and securely connected in UKH and UHV high-current terminal blocks using the insertion profile (UKH... EP). This levels out the prism-shaped terminal sleeve base, thereby ensuring that the flat conductor is contacted on a large area.

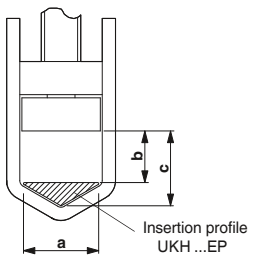
Suitability of flat conductors for clamping

Conductor		type	
Structure [mm]	Current [A]	UHV 50-KH/AS UHV 50-KH/KH	UHV 95-KH/AS UHV 95-KH/KH
3 x 9 x 0.8	100	X	X
6 x 9 x 0.8	160	X[1])	X
4 x 16 x 0.8	200	–	X
6 x 16 x 0.8	250	–	X[1])
10 x 16 x 0.8	400	–	X[1])
11 x 21 x 0.8	630	–	–

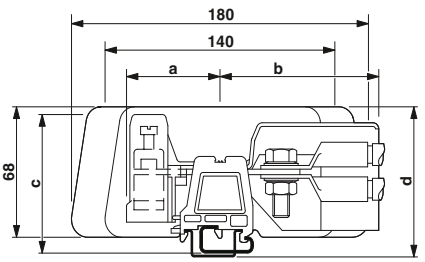
Conductor		type	
Structure [mm]	Current [A]	UHV 150-KH/AS UHV 150-KH/KH	UHV 240-KH/AS UHV 240-KH/KH
3 x 9 x 0.8	100	–	–
6 x 9 x 0.8	160	X	–
4 x 16 x 0.8	200	X	X
6 x 16 x 0.8	250	X	X
10 x 16 x 0.8	400	X[1])	X
11 x 21 x 0.8	630	–	X[1])

[1]) Observe nominal current of terminal blocks.

Internal dimensions of terminal sleeves



Type	Internal dimensions in [mm] / [inch]		
	a	b	c
UKH 25 / UHV 25-KH/...	9 / 0.354	– / –	8.5 / 0.335
UKH 50 / UHV 50-KH/...	11 / 0.433	7.5 / 0.295	12 / 4.472
UKH 95 / UHV 95-KH/...	15 / 0.591	11 / 0.433	15 / 0.591
UKH 150 / UHV 150-KH/...	19.5 / 0.768	11 / 0.433	18 / 0.709
UKH 240 / UHV 240-KH/...	24 / 0.945	19 / 0.748	26 / 1.024



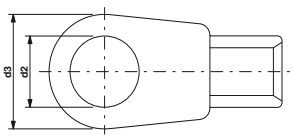
Dimensions for covering hoods and partition plates [mm] / [inch]

Type	a	b	c	d
UHV 25	51 / 2.008	82 / 3.228	70 / 2.756	63 / 2.48
UHV 50	57 / 2.244	97 / 3.819	76 / 2.992	68 / 2.677
UHV 95	59 / 2.323	112 / 4.409	84 / 3.307	75 / 2.953
UHV 150	64 / 2.52	125 / 4.921	98 / 3.858	81 / 3.189
UHV 240	64 / 2.52	143 / 5.63	103 / 4.055	87 / 3.425

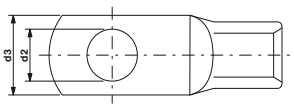
Cable lugs

	Conductor cross section		DIN 46234				DIN 46235				DIN 46237			
			Hole ∅ d_2 [mm]/[inch]		Width d_3 [mm]/[inch]		Hole ∅ d_2 [mm]/[inch]		Width d_3 [mm]/[inch]		Hole ∅ d_2 [mm]/[inch]		Width d_3 [mm]/[inch]	
	0.5	20	3.2	0.126	5	0.197	– / –		– / –		– / –		– / –	
M3	1	17	3.2	0.126	6	0.236	– / –		– / –		3.2	0.126	6	0.236
	2.5	14	3.2	0.126	6	0.236	– / –		– / –		3.2	0.126	6	0.236
	0.5	20	5.3	0.208	8	0.315	– / –		– / –		– / –		– / –	
	1	17	5.3	0.208	10	0.394	– / –		– / –		5.3	0.208	10	0.394
	2.5	14	5.3	0.208	10	0.394	– / –		– / –		5.3	0.208	10	0.394
M5	6	10	5.3	0.208	10	0.394	5.3	0.208	8.5	0.335	5.3	0.208	10	0.394
	10	8	5.3	0.208	11	0.433	5.3	0.208	9	0.354	– / –		– / –	
	16	6	5.3	0.208	11	0.433	– / –		– / –		– / –		– / –	
	25	3	5.3	0.208	12	0.472	– / –		– / –		– / –		– / –	
	1.5	16	6.4	0.252	10	0.394	– / –		– / –		– / –		– / –	
	2.5	14	6.4	0.252	11	0.433	– / –		– / –		6.5	0.256	11	0.433
	6	10	6.4	0.252	11	0.433	6.4	0.252	8.5	0.335	6.5	0.256	11	0.433
	10	8	6.4	0.252	11	0.433	6.4	0.252	9	0.354	– / –		– / –	
M6	16	6	6.4	0.252	11	0.433	6.4	0.252	12	0.472	– / –		– / –	
	25	3	6.4	0.252	12	0.472	6.4	0.252	14	0.551	– / –		– / –	
	35	2	6.4	0.252	16	0.63	– / –		– / –		– / –		– / –	
	50	0	6.4	0.252	18	0.709	– / –		– / –		– / –		– / –	
	2.5	14	8.4	0.331	14	0.551	– / –		– / –		8.4	0.331	14	0.551
	6	10	8.4	0.331	14	0.551	– / –		– / –		8.4	0.331	14	0.551
	10	8	8.4	0.331	14	0.551	– / –		– / –		– / –		– / –	
	16	6	8.4	0.331	14	0.551	8.4	0.331	13	0.512	– / –		– / –	
	25	3	8.4	0.331	16	0.63	8.4	0.331	16	0.63	– / –		– / –	
M8	35	2	8.4	0.331	16	0.63	8.4	0.331	17	0.669	– / –		– / –	
	50	0	8.4	0.331	18	0.709	8.4	0.331	20	0.787	– / –		– / –	
	70	00	8.4	0.331	22	0.866	8.4	0.331	24	0.945	– / –		– / –	
	95	000	8.4	0.331	24	0.945	– / –		– / –		– / –		– / –	
	120	250 kcmil	8.4	0.331	24	0.945	– / –		– / –		– / –		– / –	
	6	10	10.5	0.413	18	0.709	– / –		– / –		10.5	0.413	18	0.709
	10	8	10.5	0.413	18	0.709	– / –		– / –					
	16	6	10.5	0.413	18	0.709	10.5	0.413	17	0.669				
	25	3	10.5	0.413	18	0.709	10.5	0.413	17	0.669				
	35	2	10.5	0.413	18	0.709	10.5	0.413	19	0.748				
	50	20	10.5	0.413	18	0.709	10.5	0.413	22	0.866				
M10	70	00	10.5	0.413	22	0.866	10.5	0.413	24	0.945				
	95	000	10.5	0.413	24	0.945	10.5	0.413	28	1.102				
	120	250 kcmil	10.5	0.413	24	0.945	10.5	0.413	32	1.26				
	150	300 kcmil	10.5	0.413	30	1.181	10.5	0.413	34	1.339				
	185	350 kcmil	10.5	0.413	36	1.417	10.5	0.413	37	1.457				
	240	500 kcmil	10.5	0.413	38	1.496	– / –		– / –					
	10	8	13	0.512	22	0.866	– / –		– / –					
	16	6	13	0.512	22	0.866	– / –		– / –					
	25	3	13	0.512	22	0.866	13	0.512	19	0.748				
	35	2	13	0.512	22	0.866	13	0.512	21	0.827				
	50	0	13	0.512	22	0.866	13	0.512	24	0.945				
M12	70	00	13	0.512	22	0.866	13	0.512	24	0.945				
	95	000	13	0.512	24	0.945	13	0.512	28	1.102				
	120	250 kcmil	13	0.512	24	0.945	13	0.512	32	1.26				
	150	300 kcmil	13	0.512	30	1.181	13	0.512	34	1.339				
	185	350 kcmil	13	0.512	36	1.417	13	0.512	37	1.457				
	240	500 kcmil	13	0.512	38	1.496	13	0.512	42	1.654				
	25	3	17	0.669	28	1.102	– / –		– / –					
	35	2	17	0.669	28	1.102	– / –		– / –					
	50	0	17	0.669	28	1.102	17	0.669	28	1.102				
	70	00	17	0.669	28	1.102	17	0.669	30	1.181				
M16	95	000	17	0.669	28	1.102	17	0.669	32	1.26				
	120	250 kcmil	17	0.669	28	1.102	17	0.669	32	1.26				
	150	300 kcmil	17	0.669	30	1.181	17	0.669	34	1.339				
	185	350 kcmil	17	0.669	36	1.417	17	0.669	37	1.457				
	240	500 kcmil	17	0.669	38	1.496	17	0.669	42	1.654				

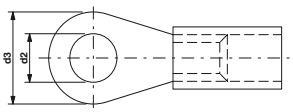
Cable lug
DIN 46234: 1980-03

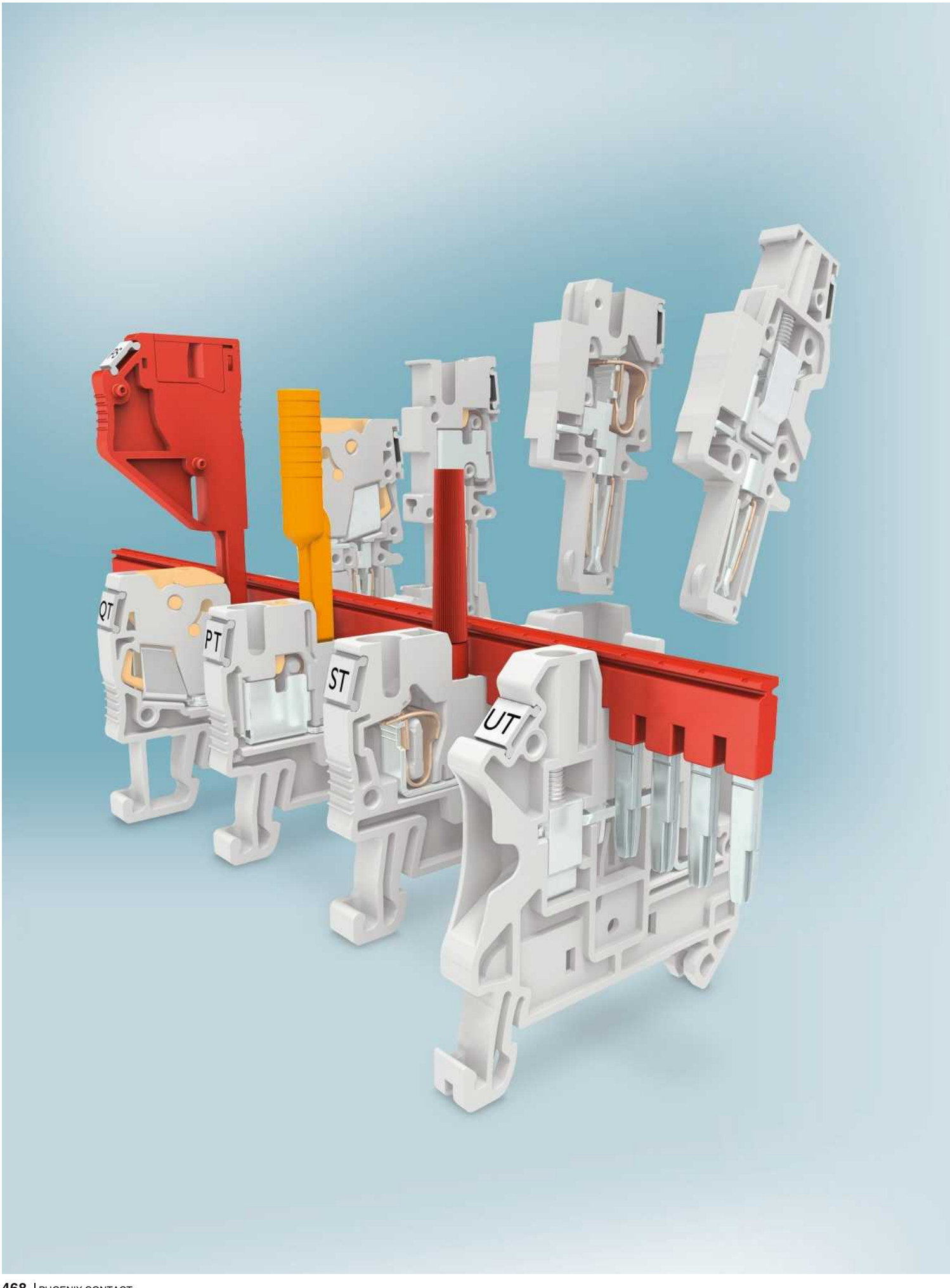


Cable lug
DIN 46235: 1980-07



Cable lug
DIN 46237




QT
PT
ST
UT

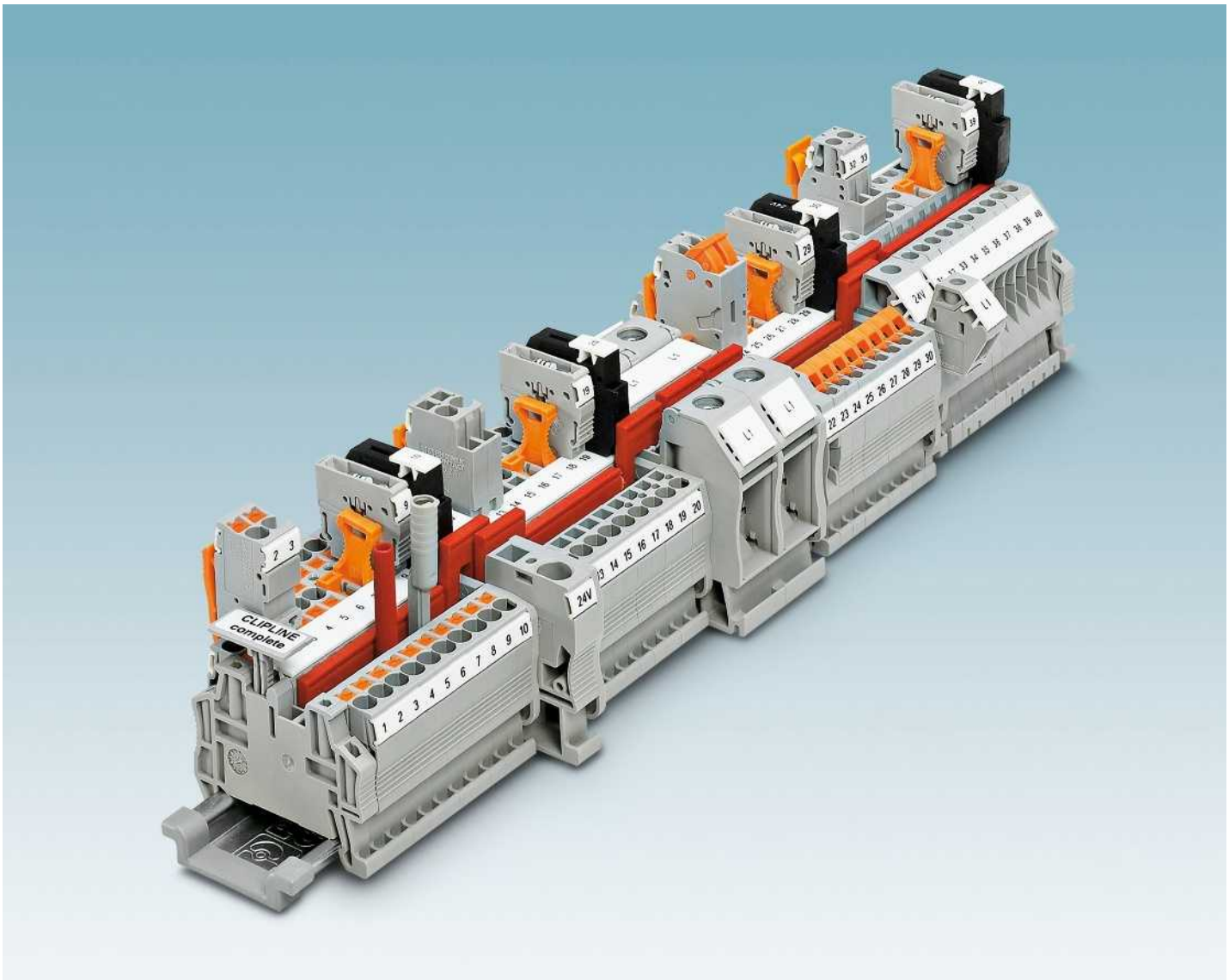
Accessories

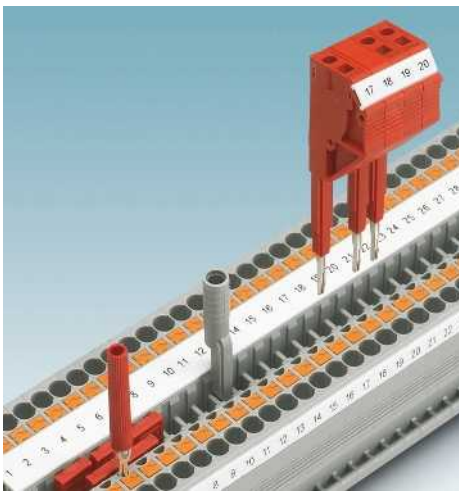
The CLIPLINE complete system offers you a uniform range of accessories for all connection technologies.

Marking and test accessories are standardized and reduce logistics costs. In addition, all modular terminal blocks of the CLIPLINE complete system can be freely combined with each other using the double function shaft. All disconnect terminal blocks in the CLIPLINE complete system have a standardized disconnect zone. Various function plugs are available for use in the disconnect terminal blocks. Isolating plugs are used for simple disconnection. The fuse plugs are designed for the use of cartridge fuse inserts. The patented component plug allows you to mount components quickly, without the risk of polarity reversal, and without the need for soldering.

Product range overview

Accessories	**470**
Plug-in bridges	**472**
Reducing bridges table	**476**
Test plugs and adapters	**478**
Fuse, isolating, and component plugs	**480**
Marker carriers	**484**
Terminal block group marking	**485**
Warning labels	**485**





Function shaft

All the modular terminal blocks in the CLIPLINE complete system have function shafts to allow fast and individual potential distribution through plug-in bridges and simple testing.



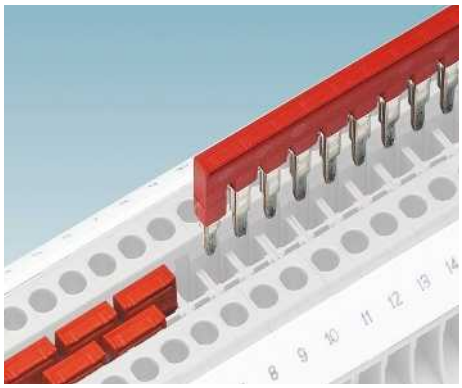
Multifunctional disconnect zone

All the disconnect terminal blocks in the CLIPLINE complete system have a standardized disconnect zone. Various functional inserts are available for use in the disconnect terminal blocks.

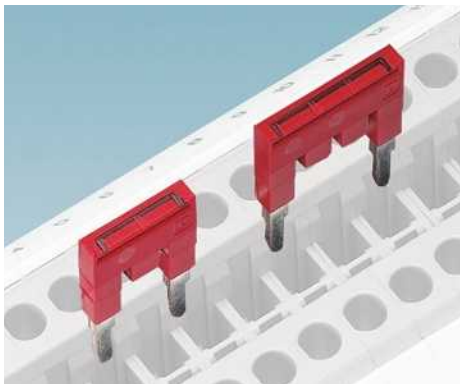


Marking

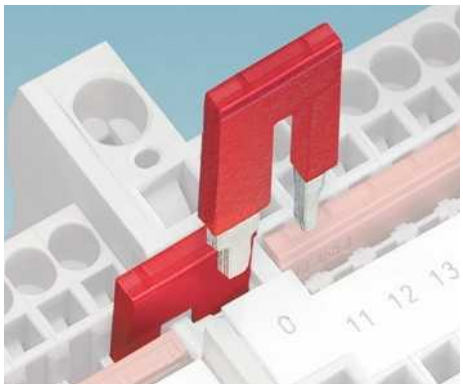
All terminal points in the terminal blocks of the CLIPLINE complete system can have large labels. Optional snap-on large marker carriers are available for group and terminal strip labeling.



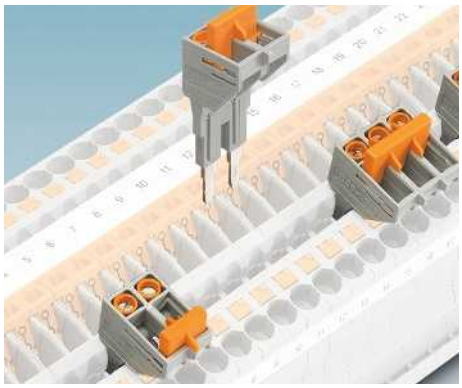
The bridge shafts are arranged in a line across all terminal blocks allowing for a combination of connection methods. The 2 to 50-pos. plug-in bridges allow all potential bridging tasks to be undertaken at speed.



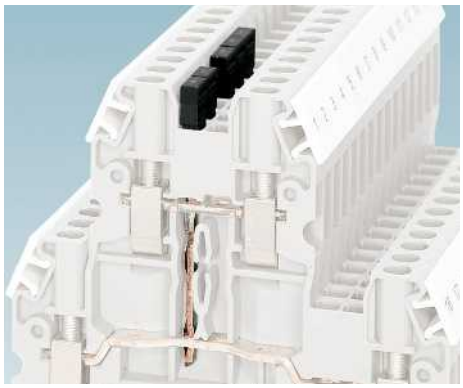
A jumping bridge is created by removing individual contact guides from the standard bridge. Two potentials can then be routed in parallel. The contact points can also be marked.



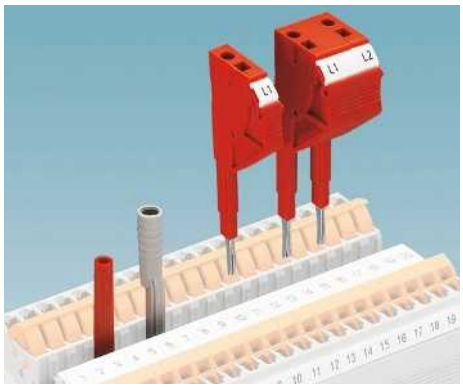
The reducing bridge allows terminal blocks with different nominal cross sections to be connected with ease, e.g., a UT 10 terminal block with a UT 2,5. Power blocks can be created at speed with the reducing bridge.



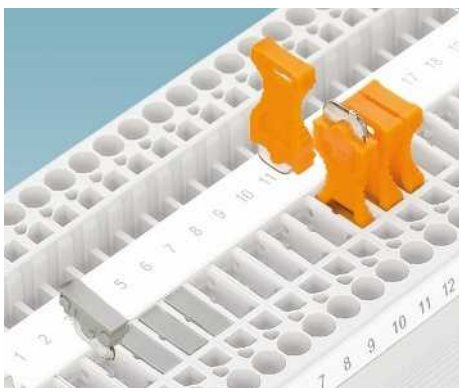
The plug-in SB-ME switching jumpers make contact by being securely latched into the function shaft. They create a removable connection between neighboring terminal blocks. This enables a transformer short circuit to be created in test disconnect terminal blocks, for example.



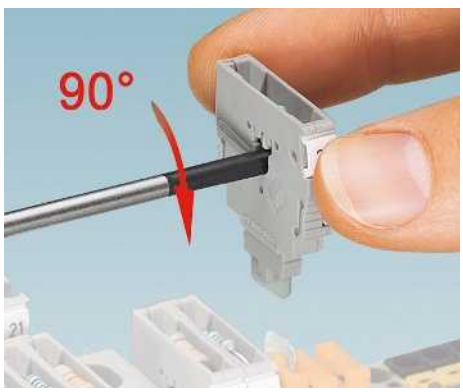
Vertical bridge to connect the upper and the lower levels of a double-level terminal block. The vertical bridge can be easily connected later through the function shaft of the upper level to the lower level.



A test plug with a 2.3 mm diameter is available for measuring lines and a test adapter with a 4 mm diameter is available for safety test plugs. Test adapters can be implemented at speed with the modular test plugs.



The P-DI isolating plug can be removed to release the connection easily, and then "parked" back to front in the disconnect zone. The P-FIX contact metal seals the disconnect point of the same shape and cannot be removed again once fitted.

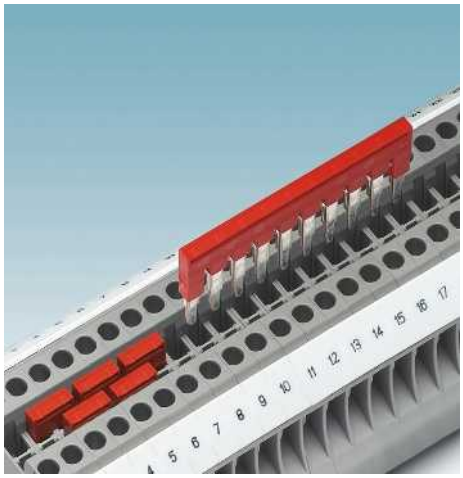


The patented P-CO component plug P−CO allows components to be quickly and reliably accommodated using spring-loaded contacts and to be connected without the risk of polarity reversal.



The P-FU fuse plugs are designed to accommodate cartridge fuse inserts. The fuse used can be checked visually via the LED.

FBS ... plug-in bridges



- To allow individual potential distribution, the terminal blocks of the CLIPLINE complete system have two bridge shafts
- The 2 to 50-pos. bridges can bridge up to 50 terminal blocks in one step in these bridge shafts

Designation of bridges

- The last digit in the bridge designation indicates the dimension of the terminal width. A FBS …-4 bridge can be used with CLIPLINE complete terminal blocks with a terminal width of 4.2 mm, and a FBS …-6 bridge can be used with terminal blocks with a terminal width of 6.2 mm.

Vertical potential bridge

- Potential bridge to connect the upper and the lower levels of a double-level terminal block
- The bridge can be connected later through the bridge shaft of the upper level to the lower level
- The FBS-PV UT vertical bridge can be used with the UTTB 2,5 and UTTB 4
- The FBS-PV vertical bridge can be used with the STTBS 2,5, STTBS 4, PTTB 2,5, PTTB 4, PTTBS 2,5, QTTCB 1,5, and STTB 2,5/4P
- The FBS 1,5/S-PV vertical bridge can be used with the PTTB 1,5/S, PT 1,5/S-3L, and PT 1,5/S-PE/L/L
- The FBS−PV PT 2,5−4L vertical bridge can be used with the PT 2,5−4L... terminal blocks

Notes:

The current values for the FBS ... bridges can deviate when used in different modular terminal blocks. The precise values can be found in the accessories data for the respective modular terminal blocks.



Plug-in bridge, red

Ordering data

Description	No. of pos.	Type	I_{max}	Order No.	Pcs. / Pkt.
Plug-in bridge					
	2	**FBS 2-3,5**	17.5 A	**3213014**	50
	3	**FBS 3-3,5**		**3213027**	50
	4	**FBS 4-3,5**		**3213030**	50
	5	**FBS 5-3,5**		**3213043**	50
	10	**FBS 10-3,5**		**3213056**	50
	20	**FBS 20-3,5**		**3213069**	50
	50	**FBS 50-3,5**		**3000706**	10
Plug-in bridge					
	2	**FBS 2-4**	17.5 A	**3030116**	50
	3	**FBS 3-4**		**3030129**	50
	4	**FBS 4-4**		**3030132**	50
	5	**FBS 5-4**		**3030145**	50
	10	**FBS 10-4**		**3030158**	10
	20	**FBS 20-4**		**3030352**	10
Plug-in bridge					
	2	**FBS 2-5**	24 A	**3030161**	50
	3	**FBS 3-5**		**3030174**	50
	4	**FBS 4-5**		**3030187**	50
	5	**FBS 5-5**		**3030190**	50
	10	**FBS 10-5**		**3030213**	10
	20	**FBS 20-5**		**3030226**	10
	50	**FBS 50-5**		**3038930**	10
Plug-in bridge					
	2	**FBS 2-6**	32 A	**3030336**	50
	3	**FBS 3-6**		**3030242**	50
	4	**FBS 4-6**		**3030255**	50
	5	**FBS 5-6**		**3030349**	50
	10	**FBS 10-6**		**3030271**	10
	20	**FBS 20-6**		**3030365**	10
	50	**FBS 50-6**		**3032224**	10
Plug-in bridge					
	2	**FBS 2-8**	41 A	**3030284**	10
	3	**FBS 3-8**		**3030297**	10
	4	**FBS 4-8**		**3030307**	10
	5	**FBS 5-8**		**3030310**	10
	6	**FBS 6-8**		**3032470**	10
	10	**FBS 10-8**		**3030323**	10
Plug-in bridge					
	2	**FBS 2-10**	57 A	**3005947**	10
Plug-in bridge					
	2	**FBS 2-12**	76 A	**3005950**	10
Plug-in bridge					
	2	**FBS 2-16**	101 A	**3005963**	10
Pre-assembled bridge, labeled					
3-pos., positions 1, 3	2	**FBS 1/3-8**	41 A	**3032363**	10
4-pos., positions 1, 4	2	**FBS 1/4-8**		**3032376**	10
5-pos., positions 1, 3, 5	3	**FBS 1/3/5-8**		**3032389**	10
10-pos. positions 1, 4, 7, 10	4	**FBS 1/4/7/10-8**		**3032402**	10
Vertical potential bridge, to connect the upper and lower level					

Accessories

Covering hood, provides reliable shock protection when using cut-to-length FBS ...-5 and FBS ...-6 bridges	**FBSC**	**3012325**	50



Plug-in bridge, blue



Plug-in bridge, gray



Vertical potential bridge to connect two levels of multi-level terminal blocks

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
FBS 2-3,5 BU	17.5 A	3213086	50
FBS 3-3,5 BU		3213099	50
FBS 4-3,5 BU		3213109	50
FBS 5-3,5 BU		3213112	50
FBS 10-3,5 BU		3213125	50
FBS 20-3,5 BU		3213138	50
FBS 50-3,5 BU		3000708	10
FBS 2-4 BU	17.5 A	3030117	50
FBS 3-4 BU		3030130	50
FBS 4-4 BU		3030133	50
FBS 5-4 BU		3030146	50
FBS 10-4 BU		3036851	10
FBS 20-4 BU		3030353	10
FBS 2-5 BU	24 A	3036877	50
FBS 3-5 BU		3036880	50
FBS 4-5 BU		3036893	50
FBS 5-5 BU		3036903	50
FBS 10-5 BU		3036916	10
FBS 20-5 BU		3036929	10
FBS 50-5 BU		3032114	10
FBS 2-6 BU	32 A	3036932	50
FBS 3-6 BU		3036945	50
FBS 4-6 BU		3036958	50
FBS 5-6 BU		3036961	50
FBS 10-6 BU		3032198	10
FBS 20-6 BU		3032208	10
FBS 50-6 BU		3032211	10
FBS 2-8 BU	41 A	3032567	10
FBS 3-8 BU		3032570	10
FBS 4-8 BU		3032583	10
FBS 5-8 BU		3032596	10
FBS 6-8 BU		3032677	10
FBS 10-8 BU		3032606	10

Accessories

FBSC		3012325	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
FBS 2-3,5 GY	17.5 A	3213153	50
FBS 3-3,5 GY		3213167	50
FBS 4-3,5 GY		3213180	50
FBS 5-3,5 GY		3213183	50
FBS 10-3,5 GY		3213196	50
FBS 20-3,5 GY		3213206	50
FBS 50-3,5 GY		3000707	10
FBS 2-4 GY	17.5 A	3030118	50
FBS 3-4 GY		3030131	50
FBS 4-4 GY		3030134	50
FBS 5-4 GY		3030147	50
FBS 10-4 GY		3030160	10
FBS 20-4 GY		3030354	10
FBS 2-5 GY	24 A	3038969	50
FBS 3-5 GY		3038972	50
FBS 4-5 GY		3038985	50
FBS 5-5 GY		3038998	50
FBS 10-5 GY		3039007	10
FBS 20-5 GY		3038671	10
FBS 50-5 GY		3032127	10
FBS 2-6 GY	32 A	3032237	50
FBS 3-6 GY		3032240	50
FBS 4-6 GY		3032279	50
FBS 5-6 GY		3032266	50
FBS 10-6 GY		3032253	10
FBS 2-8 GY	41 A	3032621	10
FBS 3-8 GY		3032622	10
FBS 4-8 GY		3032635	10
FBS 5-8 GY		3032648	10
FBS 6-8 GY		3032664	10
FBS 10-8 GY		3032651	10

Accessories

FBSC		3012325	50

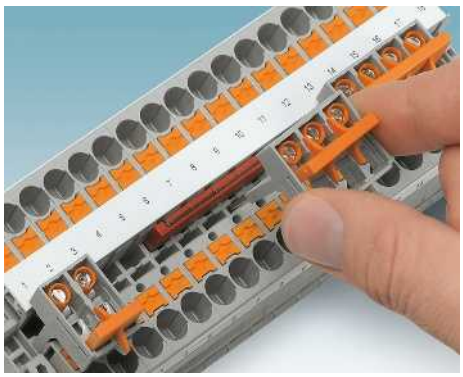
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
FBS-PV PT 2,5-4L	10 A	3012318	50
FBS-PV UT	22 A	3047358	50
FBS-PV	32 A	3032185	50
FBS 1,5/S-PV	16 A	3216263	10

Accessories

FBSH ... plug-in bridges and SB−ME... switching jumpers

Notes:
The switching jumpers also snap into the function shaft and occupy both bridge shafts.
The FBSR ... bridges have a reduced current carrying capacity in comparison with the standard FBS ... bridges.





Plug-in bridge

FBSRH

– The FBSRH ...-8 bridges have a molded extraction tool which means that they can be used conveniently and without tools for individual bridging tasks. This enables a transformer short circuit to be created in test disconnect terminal blocks, for example.

SB-ME

– The plug-in SB-ME switching jumpers make contact by being securely latched into the function shaft. They create a removable connection between neighboring terminal blocks. This enables a transformer short circuit to be created in test disconnect terminal blocks, for example.

Designation of bridges

– The last digit in the bridge designation indicates the dimension of the terminal block width; an FBSR ...-5 bridge can be used with CLIPLINE complete terminal blocks with a width of 5.2 mm, and an FBSR ...-6 bridge can be used with terminal blocks with a width of 6.2 mm.

Description	No. of pos.	Type	I_{max}	Order No.	Pcs. / Pkt.
Ordering data					
Plug-in bridge					
	2	**FBSR 2-5**	17.5 A	**3033702**	50
	10	**FBSR 10-5**		**3033710**	10
Plug-in bridge					
	2	**FBSR 2-6**	24 A	**3033715**	50
	10	**FBSR 10-6**		**3033716**	10
Plug-in bridge					
	2	**FBSR 2-8**	32 A	**3033808**	10
	5	**FBSR 5-8**		**3033809**	10
	16	**FBSR 16-8**		**3033816**	10
Plug-in bridge, with extraction tool					
	2				
	3				
	4				
Switching jumper, plug-in					
	2				
	3				
	4				
Switching jumper, plug-in					
	2				
	3				
	4				
Switching jumper, plug-in					
	2				
	3				
	4				
Accessories					
Partition plate, with storage option for switching jumpers	gray				



Plug-in bridge, with extraction tool



30 A, switching jumper, plug-in with additional latching



25 A, switching jumper, plug-in

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
FBSRH 2-8	32 A	**3033802**	10
FBSRH 3-8		**3033803**	10
FBSRH 4-8		**3033804**	10

Accessories

CARRIER 35-8		**3034387**	10

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
SB-ME 2-8	30 A	**3034468**	10
SB-ME 3-8		**3032800**	10
SB-ME 4-8		**3034484**	10

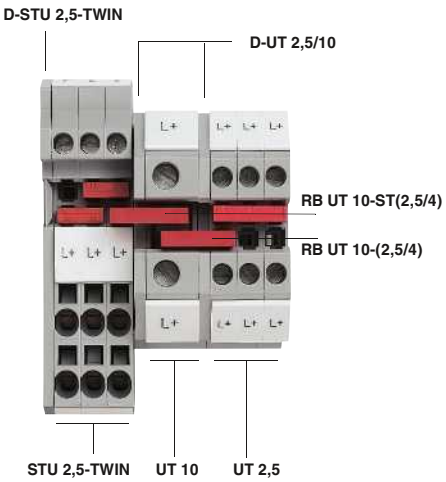
Accessories

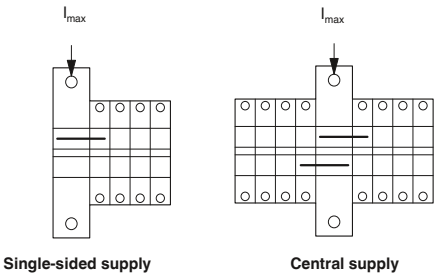
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
SB-ME 2-6	25 A	**3035755**	10
SB-ME 3-6		**3035756**	10
SB-ME 4-6		**3035757**	10
SB-MER 2-8	25 A	**3000587**	10
SB-MER 3-8		**3000588**	10
SB-MER 4-8		**3000589**	10

Accessories

Example of a 10 mm2 central supply with RB UT 10-(2,5/4) reducing bridges on 2.5 mm²





Reducing bridges enable the simple connection of standard terminal blocks with different nominal cross sections and connection technologies from the CLIPLINE complete system. Supplies with larger cross sections can be easily distributed among several smaller output terminal blocks. The connection technologies and the connected cross sections must be taken into consideration in order to select suitable reducing bridges. The appropriate reducing bridge and the maximum permissible bridge current for single-sided and central supply can be determined using the adjacent table.

Note

When using reducing bridges, covers should be used which correspond to the supply direction. The automatic correction function in CLIP PROJECT (see page 702) provides optimum support.

Reduction bridging with UT standard feed-through terminal blocks

Supply		Pick-off		Single-sided supply	Central supply	
Terminal block	Cross section [mm²]	Terminal block	Cross section [mm²]	I_{max} [A]	I_{max} [A]	Bridge
UT 4	4	UT 2,5	2.5	24	24	FBS 2-5 3030161
UT 6	6	UT 2,5	2.5	40	56	RB UT 6-(2,5/4) 3047251
		UT 4	4	45	56	
		PT 2,5	2.5	40	56	RB UT 6-ST(2,5/4) 3047264
		PT 4	4	45	56	
		ST 2,5	2.5	40	56	
		ST 4	4	45	56	
		QTC 1,5	1.5	35	56	
		QTC 2,5	2.5	40	56	
UT 10	10	UT 2,5	2.5	40	65	RB UT 10-(2,5/4) 3047060
		UT 4	4	45	65	
		PT 2,5	2.5	40	65	RB UT 10-ST(2,5/4) 3047086
		PT 4	4	45	65	
		ST 2,5	2.5	40	65	
		ST 4	4	45	65	
		QTC 1,5	1.5	35	65	
		QTC 2,5	2.5	40	65	
UT 16	16	UT 2,5	2.5	40	80	RB UT 16-(2,5/4) 3047073
		UT 4	4	45	90	
		PT 2,5	2.5	40	80	RB UT 16-ST(2,5/4) 3047099
		PT 4	4	45	90	
		ST 2,5	2.5	40	80	
		ST 4	4	45	90	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
UT 35	35	UT 2,5	2.5	40	80	RB UT 35-(2,5/4) 3047277
		UT 4	4	45	90	
		PT 2,5	2.5	40	80	RB UT 35-ST(2,5/4) 3047280
		PT 4	4	45	90	
		ST 2,5	2.5	40	80	
		ST 4	4	45	90	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
UT 35	35	UT 16	16	90	90	RB 35-16 3032169

Reduction bridging with RT standard feed-through terminal blocks

Supply		Pick-off		Single-sided supply	Central supply	
Terminal block	Cross section [mm²]	Terminal block	Cross section [mm²]	I_{max} [A]	I_{max} [A]	Bridge
RT 5	6	UT 2,5	2.5	40	56	RB UT 6-(2,5/4) 3047251
		UT 4	4	40	56	
		RT 3	2.5	40	56	
		PT 2,5	2.5	40	56	RB UT 6-ST(2,5/4) 3047264
		ST 2,5	2.5	40	56	
		ST 4	4	40	56	
		QTC 1,5	1.5	35	56	
		QTC 2,5	2.5	40	56	
RT 8	35	RT 3	2.5	40	56	RB ST 10-(2,5/4) 3030873
		UT 2,5	2.5	40	65	
		UT 4	4	45	65	

Reduction bridging with PT and ST standard feed-through terminal blocks

Supply		Pick-off		Single-sided supply	Central supply	Bridge
Terminal block	Cross section [mm²]	Terminal block	Cross section [mm²]	I_{max} [A]	I_{max} [A]	
ST 2,5 PT 2,5	2.5	PT 1,5/S	1.5	24	30	RB ST (2,5/4)-1,5/S 3214356
		ST 1,5	1.5	31	31	RB ST (2,5/4)-1,5 3038943
		QTC 1,5	1.5	31	31	FBS 2-5 3030161
ST 4 PT 4	4	PT 1,5/S	1.5	24	40	RB ST (2,5/4)-1,5/S 3214356
		ST 1,5	1.5	35	40	RB ST (2,5/4)-1,5 3038943
		PT 2,5	2.5	40	40	FBS 2-5 3030161
		ST 2,5	2.5	40	40	
		QTC 1,5	1.5	35	40	
		QTC 2,5	2.5	40	40	FBS 2-6 3030336
ST 6 PT 6	6	PT 1,5/S	1.5	24	48	RB ST 6-1,5/S 3213250
		PT 2,5	2.5	40	56	RB ST 6-(2,5/4) 3030860
		ST 2,5	2.5	40	56	
		ST 4	4	45	56	
		QTC 1,5	1.5	35	56	
		QTC 2,5	2.5	40	56	
ST 10 PT 10	10	PT 1,5/S	1.5	24	48	RB ST 10-1,5/S 3213252
		PT 2,5	2.5	40	65	RB ST 10-(2,5/4) 3030873
		ST 2,5	2.5	40	65	
		ST 4	4	45	65	
		QTC 1,5	1.5	35	65	
		QTC 2,5	2.5	40	65	
ST 16 PT 16	16	PT 1,5/S	1.5	24	48	RB ST 16-1,5/S 3213254
		PT 2,5	2.5	40	80	RB ST 16-(2,5/4) 3030886
		ST 2,5	2.5	40	80	
		ST 4	4	45	90	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
ST 35	35	PT 2,5	2.5	40	80	RB ST 35-(2,5/4) 3030899
		ST 2,5	2.5	40	80	
		ST 4	4	45	90	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
ST 35	35	ST 16	16	90	90	RB 35-16 3032169
STS 4	4	STS 2,5	2.5	40	40	FBS 2-5 3030161
STS 6	6	STS 2,5 STS 4	2.5 4	40 45	56 56	RB ST 6-(2,5/4) 3030860

Reduction bridging with QT standard feed-through terminal blocks

Supply		Pick-off		Single-sided supply	Central supply	Bridge
Terminal block	Cross section [mm²]	Terminal block	Cross section [mm²]	I_{max} [A]	I_{max} [A]	
QTC 2,5	2.5	QTC 1,5	1.5	31	31	FBS 2-5 3030161

Accessories

PS ... test plugs

- Two-part test plug for individual plug color combination
- The test plugs are plugged in the function shaft of the terminal blocks from the CLIPLINE complete system or in the test connections provided for them
- PS-...2,3MM modular test plug housing can be used to put assemble individual test adapters





Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.	Ordering data: Type	Order No.	Pcs. / Pkt.
Modular test plug housing, for MPS metal part, can be marked with ZB 5							
Width 5.2 mm	red	**PS-5/2,3MM RD**	**3038723**	10			
Width 6.2 mm	red	**PS-6/2,3MM RD**	**3038736**	10			
Width 8.2 mm	red	**PS-8/2,3MM RD**	**3048564**	10			
Insulating sleeve, for MPS metal part							
	white				**MPS-IH WH**	**0201663**	10
	red				**MPS-IH RD**	**0201676**	10
	blue				**MPS-IH BU**	**0201689**	10
	yellow				**MPS-IH YE**	**0201692**	10
	green				**MPS-IH GN**	**0201702**	10
	gray				**MPS-IH GY**	**0201728**	10
	black				**MPS-IH BK**	**0201731**	10
Test plug metal part, 2.3 mm Ø		**MPS-MT**	**0201744**	10	**MPS-MT**	**0201744**	10
4 mm Ø		**MPS-MT/ 4MM**	**3048577**	1	**MPS-MT/ 4MM**	**3048577**	1

PS-... modular test plugs and DP PS-... spacer plates

- The test plugs make contact in the function shaft of terminal blocks from the CLIPLINE complete system
- Test adapters can be assembled individually with the PS-... modular test plugs and DP PS-... spacers



Modular test plug



Spacer plates

Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.	Ordering data: Type	Order No.	Pcs. / Pkt.
Individual test plug, 4.2 mm wide, can be labeled with ZBF 4, UC-TMF 4, and UCT-TMF 4							
	red	**PS-4/E**	**3036709**	10			
Modular test plug, for the individual assembly of test plug strips							
4.2 mm, can be labeled with ZBF 4, UC-TMF 4, and UCT-TMF 4	red	**PS-4**	**3030970**	10	**DP PS-4**	**3036712**	10
5.2 mm, can be labeled with ZBF 5, UC-TMF 5, and UCT-TMF 5	red	**PS-5**	**3030983**	10	**DP PS-5**	**3036725**	10
6.2 mm, can be labeled with ZBF 6, UC-TMF 6, and UCT-TMF 6	red	**PS-6**	**3030996**	10	**DP PS-6**	**3036738**	10
8.2 mm, can be labeled with ZBF 8, UC-TMF 8, and UCT-TMF 8	red	**PS-8**	**3031005**	10	**DP PS-8**	**3036741**	10

PAI ... test adapters

– Secure contact for test plugs with a 4 mm diameter in the function shaft
– The small external diameter of the test socket means that finger-safe protected safety plugs can also be used



4 mm test adapter, for terminal blocks with 4.2 mm pitch



4 mm test adapter, for terminal blocks with 5.2, 6.2, and 8.2 mm pitch

Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.	Ordering data: Type	Order No.	Pcs. / Pkt.
Test adapter, 4-mm test socket hole	gray	**PAI-4**	**3030925**	10			
Test adapter, 4-mm test socket hole	gray				**PAI-4-N GY**	**3032871**	10

PAI-4-FIX... snap-on test adapters

– Test adapter for accommodating safety test plugs with a 4 mm diameter
– Make contact and latch securely to any point in the function shaft



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch



4 mm test adapter, for terminal blocks with 8.2 mm pitch

Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.	Ordering data: Type	Order No.	Pcs. / Pkt.
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft							
	orange	**PAI-4-FIX-5/6 OG**	**3035974**	10	**PAI-4-FIX OG**	**3034455**	10
	yellow	**PAI-4-FIX-5/6 YE**	**3035977**	10	**PAI-4-FIX YE**	**3032745**	10
	green	**PAI-4-FIX-5/6 GN**	**3035978**	10	**PAI-4-FIX GN**	**3032758**	10
	violet	**PAI-4-FIX-5/6 VT**	**3035979**	10	**PAI-4-FIX VT**	**3032761**	10
	black	**PAI-4-FIX-5/6 BK**	**3035980**	10	**PAI-4-FIX BK**	**3032774**	10
	blue	**PAI-4-FIX-5/6 BU**	**3035975**	10	**PAI-4-FIX BU**	**3032729**	10
	red	**PAI-4-FIX-5/6 RD**	**3035976**	10	**PAI-4-FIX RD**	**3032732**	10
	gray	**PAI-4-FIX-5/6 GY**	**3035982**	10	**PAI-4-FIX GY**	**3032790**	10
	brown	**PAI-4-FIX-5/6 BN**	**3035981**	10	**PAI-4-FIX BN**	**3032787**	10

Switching lock S-MT



- The optional switching lock snaps in and effectively prevents accidental switching
- Can be used in all...-MT knife disconnect terminal blocks from the CLIPLINE complete system



Switching lock

Technical data

Dimensions	Width	Length	Height
[mm]	**3.5**	**10.5**	**23.1**
General data			
Insulating material	PA		
Inflammability class according to UL 94	V2		

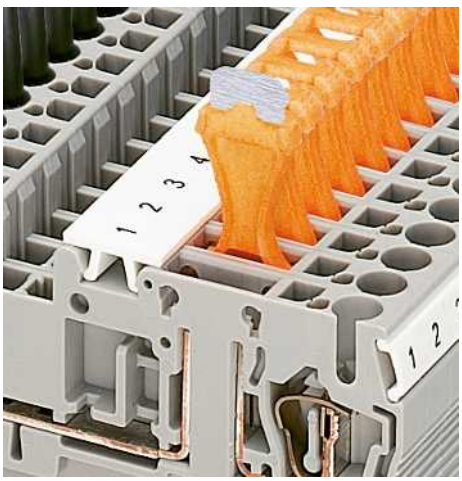
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Switching lock, plug-in[1])	white	**S-MT**	**3247954**	50

Notes:

[1]) Observe max. load current.

P-DI isolating plug



- The P-DI isolating plug can be removed to release the connection easily and then "parked" back to front in the disconnect zone
- Can be used in all ...-TG disconnect terminal blocks from the CLIPLINE complete system



Function plug for universal disconnect zone

Technical data

Dimensions	Width	Length	Height
[mm]	**3.5**	**10.8**	**23.1**
Rated data			
Maximum load current [A]	20		
General data			
Insulating material	PA		
Inflammability class according to UL 94	V2		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Isolating plug[1])	orange	**P-DI**	**3036783**	50

P-FIX feed-through connector

Notes:
1) Observe max. load current.



– The P-FIX contact metal seals the disconnect point of the same shape and cannot be removed again once fitted
– Can be used in all ...-TG disconnect terminal blocks from the CLIPLINE complete system



Feed-through connector

Technical data

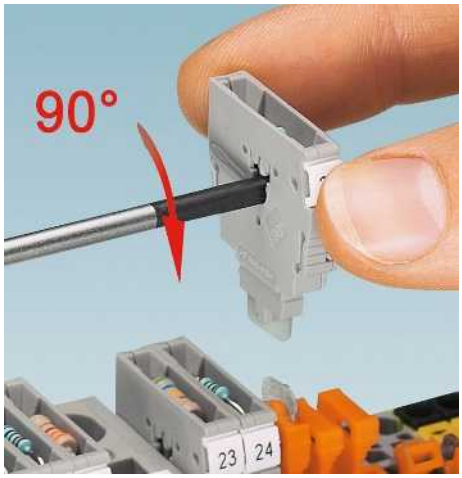
Dimensions		Width	Length	Height
	[mm]	**4**	**10.5**	**-**
Rated data				
Maximum load current	[A]	20		
General data				
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Feed-through connector1)	gray	**P-FIX**	**3038956**	50

P-CO ... component plugs

Notes:
1) Observe max. load current, depending on the power dissipation of the components. Max. 0.5 W with single arrangement.
2) Dependent on the power dissipation of the components. Max. 1 W with single arrangement.
3) Integrated: diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 1.0 A.



– The patented P-CO component plug can quickly and reliably accommodate components using spring-loaded contacts
– A coding recess ensures protection against incorrect polarity
– For assembly, the spring-cage connections are opened or closed inside the plug with just one turn of a standard screwdriver
– Can be used in all ...-TG disconnect terminal blocks from the CLIPLINE complete system



Component plug

Technical data

Dimensions		Width	Length	Height
	[mm]	**5.2**	**24**	**22**
Rated data				
Maximum load current	[A]	6[2])		
General data				
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Component plug, labeled with ZBF 5 or UC-TMF 5[1])	gray	**P-CO**	**3036796**	10
Component plug, with integrated 1N 4007 diode, conducting direction from left to right, direction viewed: open terminal side[3])	gray	**P-CO 1N4007/R-L**	**3032457**	10
Conducting from left to right, direction viewed: open terminal side	gray	**P-CO 1N4007/L-R**	**3032460**	10

P-FU ... fuse plugs



The fuse plugs transform the ...-TG disconnect terminal blocks of the CLIPLINE complete system into a fully functional fuse terminal block for overload and short-circuit protection and are characterized by:

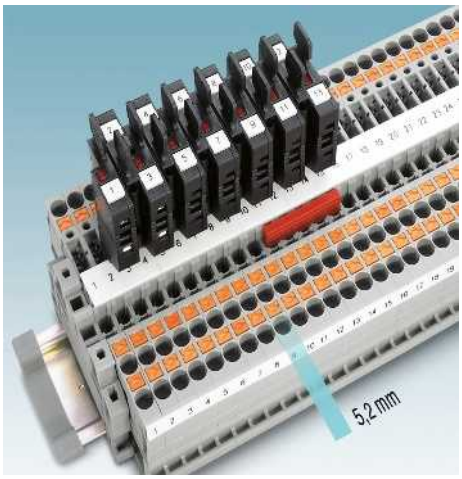
– Large labeling option
– Versions with bipolar fault indicator
– Test contacts on both sides of the fuse

Notes:
1) If the fuse is faulty, the downstream circuit is not off load.
2) For max. power dissipation, see page 724.

Dimensions	
	[mm]
Rated data	
Maximum load current	[A]
General data	
Insulating material	
Inflammability class according to UL 94	

Description	Color
Fuse plug, width 5.2 mm[1])	black
With LED for 12-30 V DC, 0.35-0.95 mA	black
For 30-60 V AC/DC, 0.36-0.95 mA	black
For 110-250 V AC/DC, 0.4-0.95 mA	black
Fuse plug, width 6.2 mm[2])	black
With LED for 12-30 V DC, 0.31-0.95 mA	black
For 30-60 V AC/DC, 0.40-0.86 mA	black
For 110-250 V AC/DC, 0.41-0.96 mA	black
Fuse plug, width 8.2 mm	black
With LED for 12-30 V DC, 0.31-0.95 mA	black
For 30-60 V AC/DC, 0.40-0.86 mA	black
For 110-250 V AC/DC, 0.41-0.96 mA	black

Center groove labeling



– The new P-FU...-5 compact fuse plug particularly well suited to ...-TG disconnect terminal blocks with 5.2 mm pitch
– Can be used for overload/short-circuit protection



– The P-FU ...-5 fuse plug can be used on 5.2 mm ...-TG disconnect terminal blocks with a nested arrangement and provides maximum space savings



5.2 mm fuse plug, for 5 x 20 mm cartridge fuses



6.2 mm fuse plug, for 5 x 20 mm cartridge fuses



8.2 mm fuse plug, for 6.3 x 32 mm cartridge fuses

Technical data

Width	Length	Height
5.2	**23.5**	**45.5**
6.3[2])		
PA		
V0		

Ordering data

Type	Order No.	Pcs. / Pkt.
P-FU 5X20-5	**3209235**	10
P-FU 5X20 LED 24-5	**3209248**	10
P-FU 5X20 LED 60-5	**3209251**	10
P-FU 5X20 LED 250-5	**3209264**	10

Accessories

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height
6.2	**28**	**25**
6.3[2])		
PA		
V0		

Ordering data

Type	Order No.	Pcs. / Pkt.
P-FU 5X20	**3036806**	10
P-FU 5X20 LED 24	**3036819**	10
P-FU 5X20 LED 60	**3036822**	10
P-FU 5X20 LA 250	**3036835**	10

Accessories

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height
8.2	**40**	**27**
10[2])		
PA		
V0		

Ordering data

Type	Order No.	Pcs. / Pkt.
P-FU 6,3X32	**3046498**	10
P-FU 6,3X32 LED 24	**3046508**	10
P-FU 6,3X32 LED 60	**3046511**	10
P-FU 6,3X32 LA 250	**3046524**	10

Accessories

UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

STP ... marker carriers for multi-level terminal blocks





STP ...

– The size of the labeling areas of wired multi-level terminal blocks can be increased by using marker carriers
– Depending on the version, the marker carriers are placed in the holders on the upper terminal block level

STP ...-ZB

– The marker carriers can for example snap into the center marking groove of ST spring-cage terminal blocks and double the marking area; see figure below

CARRIER-TM 300

– Can be snapped into all terminal blocks in the CLIPLINE complete system that have a lateral flat marker groove
– For accommodating ZB ..., UC-TM ... or UCT-TM ... terminal markers which increases the marking area

CARRIER-TMD 300

– Double-row snap-in marker adapter for accommodating two ZB ... or UC−TM ... and UCT-TM ... terminal markers which doubles the marking area



Technical data

General data		
Material		PA
Inflammability class according to UL 94		V2
Temperature range	[°C]	-40 ... 100
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Double marker carrier, can be snapped into PTTB 1,5/S push-in double-level terminal blocks can be labeled with ZB 3,5 or ZBF 3,5	gray	**STP 3,5-2**	**0830131**	100
Triple marker carrier, can be snapped into the PT 1,5/S-3... push-in three-level terminal block, can be labeled with ZB 3,5 or ZBF 3,5	gray	**STP 3,5-3**	**0830132**	100
Double marker carrier, can be snapped into STTB 1,5, PTTB 1,5 double-level terminal blocks can be labeled with UC-TM 4, ZB 4 or UC-TMF 4, ZBF 4	gray	**STP 4-2**	**0810575**	100
Double marker carrier, can be snapped into STTB 2,5, STTB 4, PTTB 2,5 PTTB 4 double-level terminal blocks, can be labeled with UC-TM 5, ZB 5 or UC-TMF 5, ZBF 5	gray	**STP 5-2**	**0800967**	100
Three-compartment marker carrier, can be snapped into ST 2,5-3... and PT 2,5-3... three-level terminal blocks, can be labeled with UC-TMF 5 and ZBF 5 or ...TM 5 and ZB 5	gray	**STP 5-3**	**0810562**	100
Double marker carrier, snaps into double-level fast connection terminal blocks, QTTCB ... and QTTCBS, can be labeled with ZB 5 and ZBF 5	gray	**STP 5-2/S**	**0800970**	100
Double marker carrier, snaps into all terminal blocks with a width of 4.2 mm and a zack marker strip center groove, can be labeled with ZB 4 or ZBF 4	gray	**STP 4-2-ZB**	**3038613**	100
Double marker carrier, snaps into all terminal blocks with a width of 5.2 mm and a zack marker strip center groove, can be labeled with ZB 5 or ZBF 5	gray	**STP 5-2-ZB**	**3037643**	100
Marker adapter, 300 mm long, can be snapped into the lateral groove on modular terminal blocks, designed to accommodate ZB ... or UC-TM ...	gray	**CARRIER-TM 300**	**0828282**	25
Marker adapter, double row, 300 mm long, can be snapped into the center groove on modular terminal blocks, designed to accommodate two ZB ... or UC-TM ...	gray	**CARRIER-TMD 300**	**0828693**	25
Marker adapter, such as the CARRIER-TM 300; marking area at an angle to the top of the terminal block	gray	**CARRIER-TMH 300**	**0830670**	25

GBS ... terminal block group marking

- Space-saving group labeling directly on the terminal block
- Fits all terminal blocks with a tall center marker groove
- Large-surface labeling with labels or manually using B−STIFT or X−PEN



3.5 mm and 5.2 mm pitch



29 mm pitch

	Technical data	Technical data
General data		
Material	PA	PA / PC
Inflammability class according to UL 94	V2	V2
Temperature range [°C]	-40 ... 120	-40 ... 100
Components	free from silicone and halogen	free from silicone and halogen

	Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Group marking label, can be snapped into terminal center, can be marked with an EML (24X4)R or EML (25,4X12,7)R label or manually with B-STIFT or X-PEN, in the foot part with ZB 5, UC-TM 5							
	gray	**GBS 5-25X5**	**0829126**	100			
	gray	**GBS 5-25X12**	**0810588**	100			
Group marking label, can be snapped into terminal center, can be labeled with ESL 26 x 6 or EMT (25 x 6) R insert strips, in foot part with ZB zack marker strip, length: 29 mm							
	gray				**GBS-ZB/26X6**	**0809298**	50

WS... warning labels



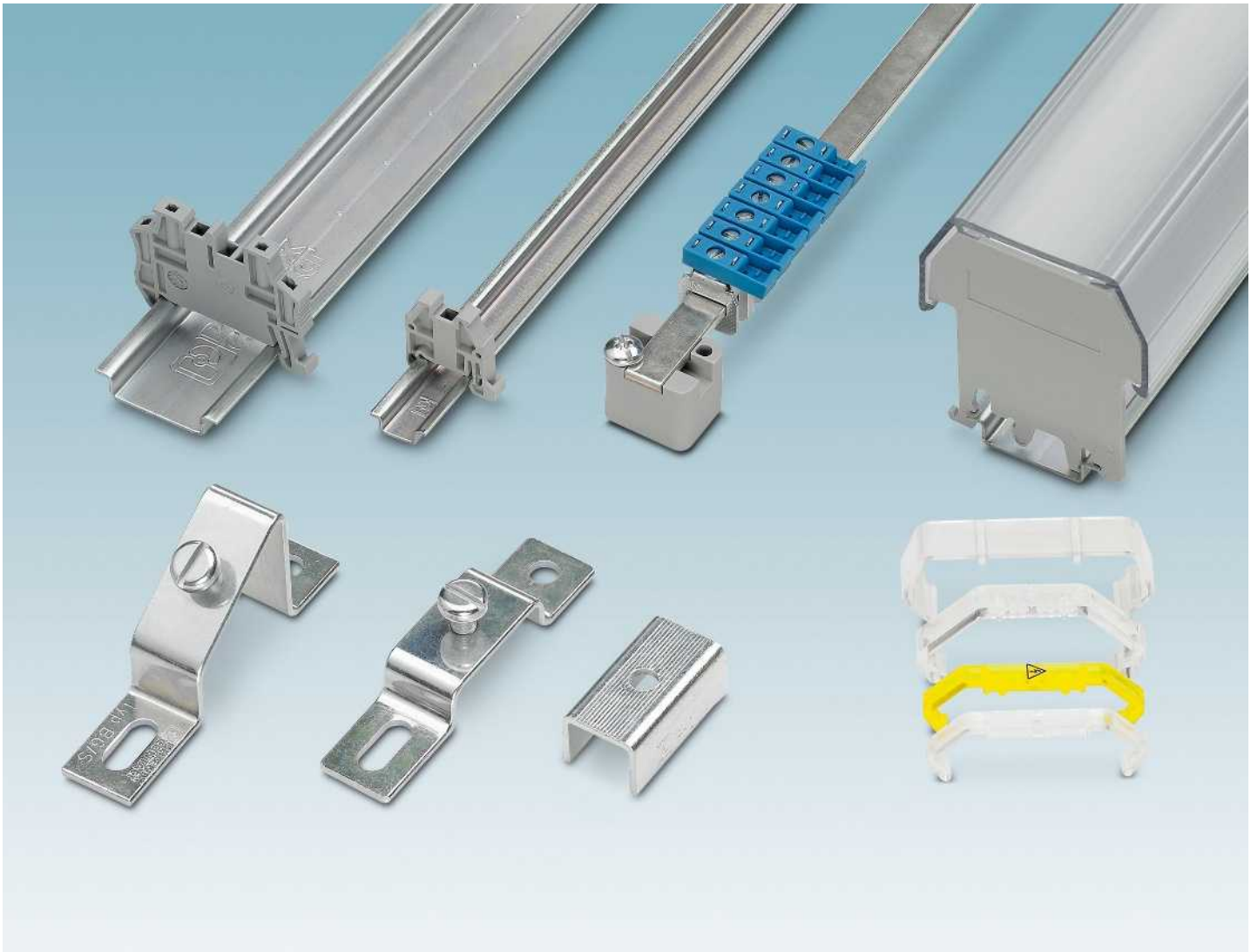
- Warning labels and warning covers serve to cover and identify mains terminal blocks
- This prevents accidental actuation of the terminal points
- The warning labels snap into the screw shafts of the relevant terminal block
- Can be isolated lengthwise and crosswise



Warning labels for terminals from the UT ... and ST ... series

	Technical data
General data	
Material	PA
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)

	Ordering data			
Description	Color	Type	Order No.	Pcs. / Pkt.
Warning label, for UT series				
5.2 mm wide	yellow	**WS UT 2,5**	**3047923**	10
6.2 mm wide	yellow	**WS UT 4**	**3047332**	10
8.2 mm wide	yellow	**WS UT 6**	**3047345**	10
10.2 mm wide	yellow	**WS UT 10**	**3047361**	10
12 mm wide	yellow	**WS UT 16**	**3047374**	10
16 mm wide	yellow	**WS UT 35**	**3047387**	10
Warning cover, for ST series				
4.2 mm wide	yellow	**WST 1,5**	**3030958**	50
5.2 mm wide	yellow	**WST 2,5**	**3030941**	50
6.2 mm wide	yellow	**WST 4**	**3030954**	50
8.2 mm wide	yellow	**WST 6**	**3030967**	10
10.2 mm wide	yellow	**WST 10/35**	**3030006**	25



You can save time when securing electrical connections and components in switchgear by using suitable mounting devices. By combining the mounting accessories appropriately, optimum use can be made of the available space inside the control cabinet. DIN rails form the basis for the "insides" of the control cabinet. They are used to grip the rail-mountable components firmly.
Phoenix Contact provides a wide range of standardized rails made of various materials. On request, they can be supplied cut to length with pre-drilled holes. The range is rounded off by cable clamps and corresponding rails.

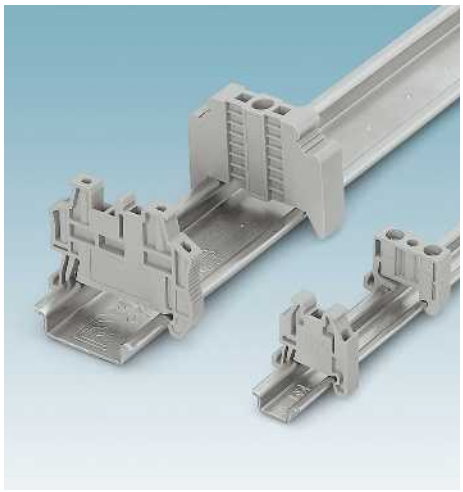
End brackets are used for a secure lateral hold on the components, especially in the event of jolts and vibrations in the systems. Depending on the application, they must either be fastened using screws or can simply be snapped onto the DIN rails as in the case of the CLIPFIX series. Label carriers can be snapped onto the end brackets for greater clarity and to create a visual distinction between individual terminal strip blocks.

There is a wide range of cover profiles to ensure the necessary level of safety.
The wide choice of cable ducts provides users with flexible and straightforward cable installation solutions that simply involve breaking out the lateral segments without any need for tools.
The mounting material is rounded off by installation materials that include pick-off terminal blocks, Europe terminal blocks, and junction box connectors.

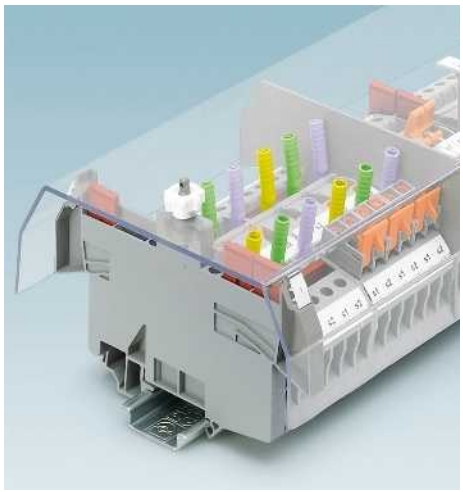
Detailed information can be found in Catalog 5 or at www.phoenixcontact.net/products



For control cabinet engineering applications, the key features of the NS 15 and NS 35 DIN rails are their high degree of dimensional accuracy and double surface tempering. They are galvanized and feature thick layer passivation, which makes them RoHS compliant.



Used in conjunction with the NS 15 and NS 35 DIN rails, the end brackets ensure that the components remain securely attached to the rails. A comprehensive range of end brackets is available for specific applications.



Cover profiles are used to cover live parts and also provide protection against accidental actuation of terminal points or disconnect terminal blocks.



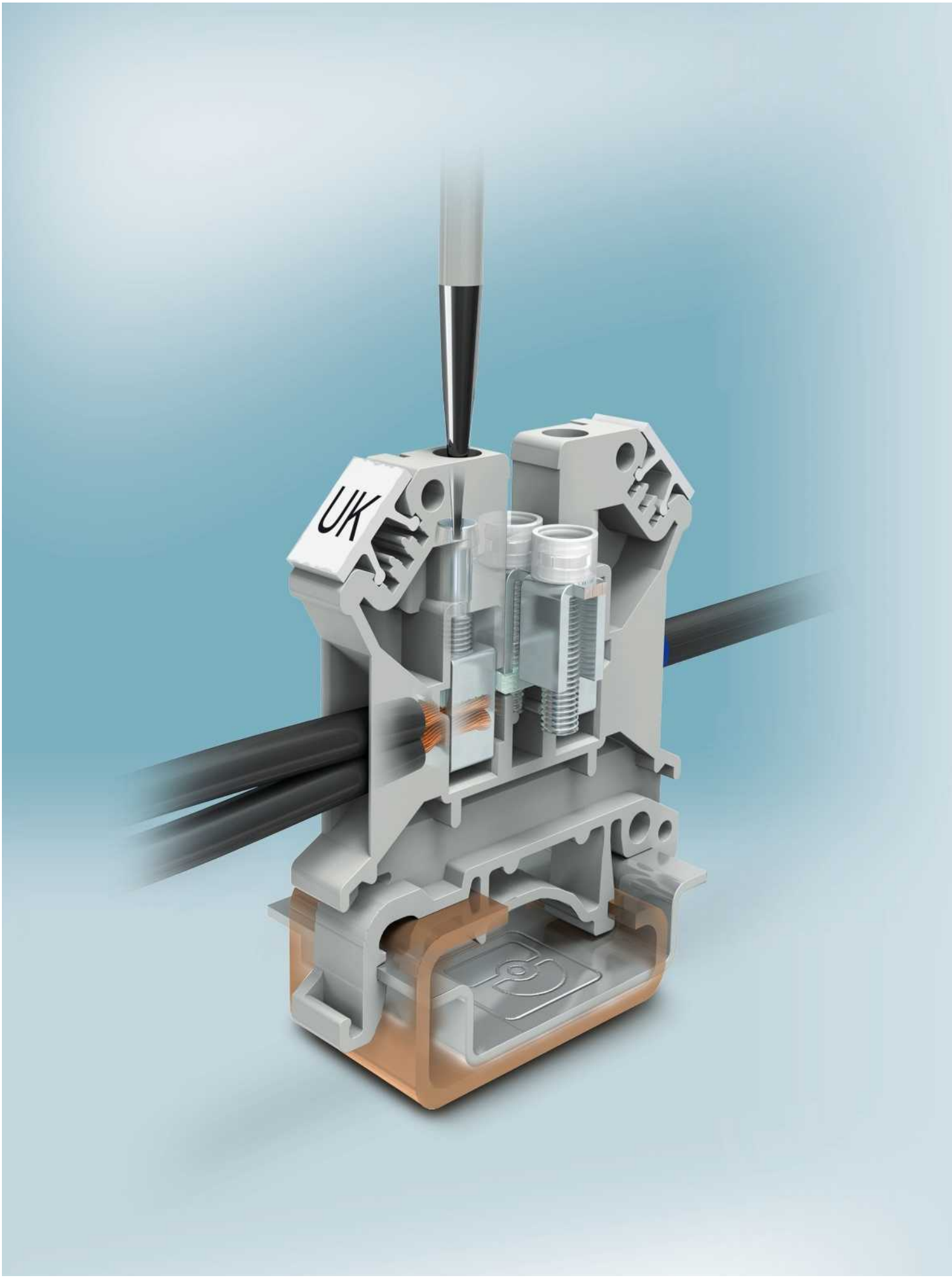
Phoenix Contact offers various connecting terminal blocks, branch terminal blocks, and power terminal blocks for busbars in switchgear and control gear.



The wide range of Europe terminal blocks includes terminal blocks with and without wire protection. The individual positions can be separated easily by twisting without the need for tools. The push-in connection technology of the junction box connector series means that solid conductors or conductors with ferrules can be inserted into the terminal point with ease. Low insertion forces and high pull-out forces ensure a secure connection.



The rail-mountable socket in a standard format is as much a must in modern switchgear as in simple distributors. The socket is mounted in an exposed position to allow assembly tools, service devices, and other electrical equipment to be installed conveniently.


UK

UK universal modular terminal blocks, SK shield connection clamps

Universal modular terminal blocks

Screw connections continue to dominate industrial connection technology. No other connection technology can achieve such high contact forces in a confined space. Our UK universal terminal block series, which has been accepted throughout the world, is named after the universal snap-on foot for DIN and G-profile rails, as well as the multi-conductor connection. Another feature of this terminal block series is the flexible screw-type bridge system with a high current carrying capacity.

The comprehensive range of terminal blocks in this series also includes a wide range of special terminal blocks as well as standard terminal blocks. These include, for example, terminal blocks with solder or spade connections, terminal blocks for use in high temperatures, and terminal block series for power supply and building installation.

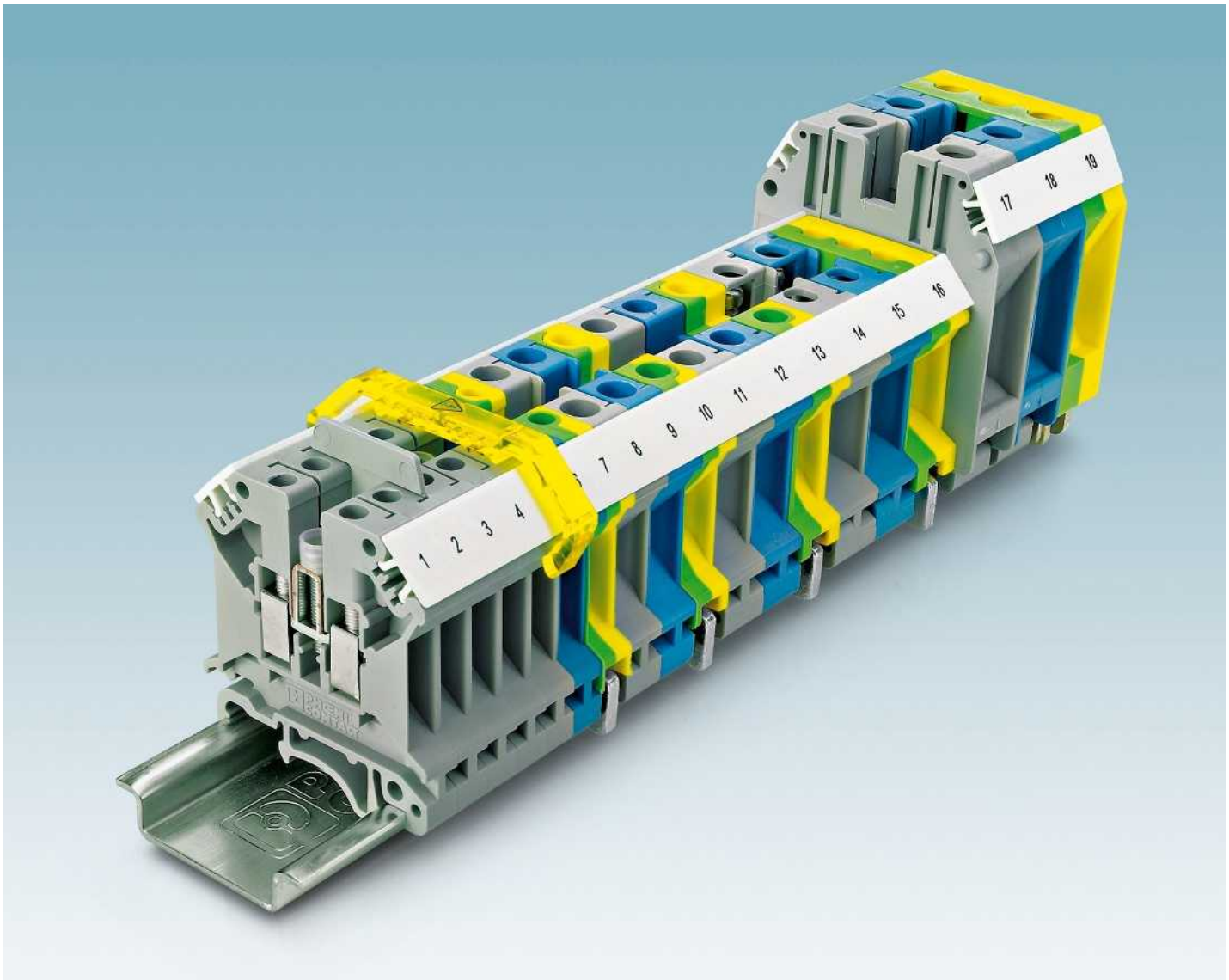
In addition to numerous approvals, all terminal blocks in the base series are certified according to the ATEX standard and can be used in Ex e potentially explosive areas.

Shield connection clamps

Shield connection clamps ensure error-free operation of your system. They provide optimum wiring convenience, are suitable for all standard cable shielding, and support EMC-compliant wiring thanks to their large surfaces and low-impedance and low-resistance contact transitions.

Product range overview

UK universal modular terminal blocks	**490**
Feed-through and ground terminal blocks	**492**
Feed-through and ground terminal blocks with 3 and 4 connections	**500**
Double-level and ground double-level terminal blocks	**506**
Cross-reference list: bridges	**510**
Three-level and three-conductor initiator terminal blocks	**514**
Four-conductor initiator and actuator terminal blocks	**520**
Three and four-level terminal blocks	**522**
Fuse terminal blocks	**524**
Lever-type fuse terminal blocks for photovoltaics	**534**
Disconnect terminal blocks	**542**
Knife disconnect terminal blocks	**548**
Slide-type terminal blocks, test disconnect terminal blocks	**553**
Double-level diode terminal blocks, component terminal blocks, LED terminal blocks	**562**
Ground disconnect terminal block	**567**
UK universal modular terminal blocks with special connection	**568**
PIK installation terminal blocks	**581**
SSK high-temperature terminal blocks	**593**
USST spring-assisted screw terminal blocks	**597**
MT and MBK mini screw terminal blocks	**603**
OTTA, RBO, and RSC bolt connection terminal blocks	**613**
G and UDB device terminal blocks	**631**
Accessories	**636**
SK shield connection clamps	**642**





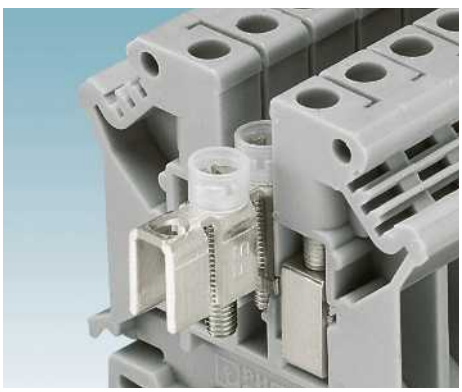
Universal and zero-maintenance

The UK screw connection is characterized by three main features:
– Global standard
– Multi-conductor connection
– Zero maintenance thanks to Reakdyn principle



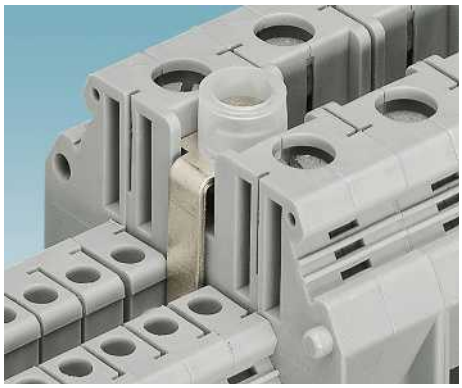
Universal housing foot

The universal foot allows the terminal blocks to be easily snapped onto two popular DIN rail profiles, the NS 35 DIN rail or the NS 32 DIN rail with G shape.

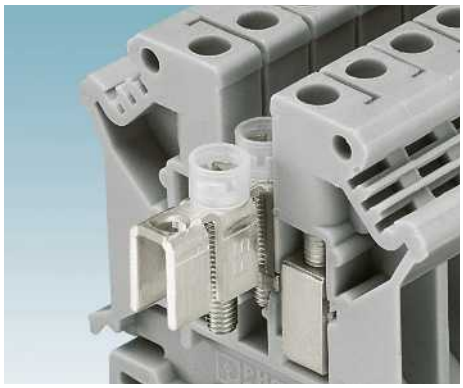


Screw-type bridge system

The area of application for modular terminal blocks is greatly determined by the bridge accessories. A wide choice of bridges is available for the UK series, enabling all switching tasks to be performed with ease.



If used with the corresponding fixed bridges, the STL... step brackets allow terminal blocks with different nominal cross sections to be connected. This allows power blocks to be created with ease.



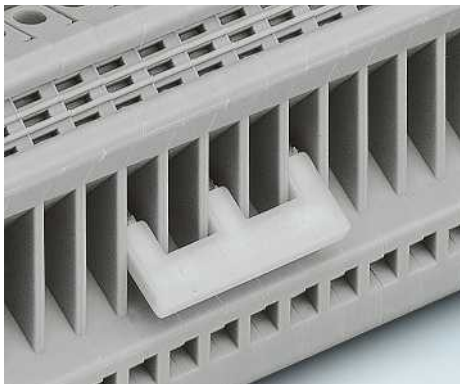
Any number of positions can be easily disconnected from a 10-pos. strip of the fixed bridge with FBI ... isolation cap, placed in the bridge shaft and screwed down.



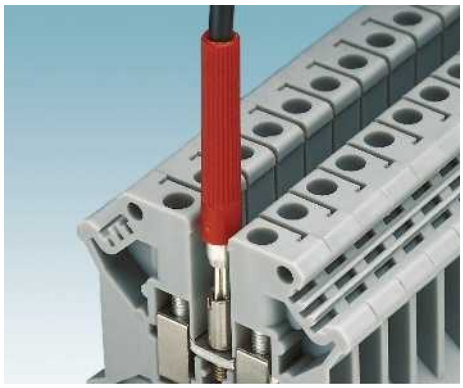
The LB ... L bridges can be used to route two different potentials via up to 100 terminal blocks in the bridge shaft. Isolated and color-coded contact screws clearly indicate the relevant potential.



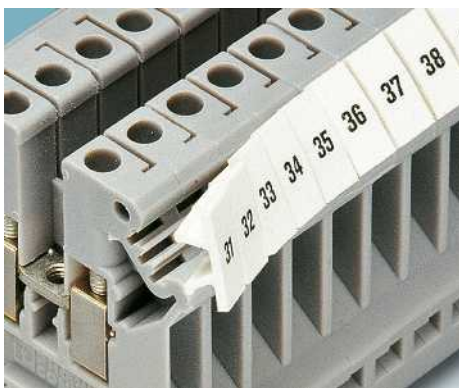
The ISSBI ... bridge bar isolator switching jumpers enable switchable cross connections if used with the IS ... bridge bar isolator. Here the screw has the function of a live switching element.



The EB ... isolated insertion bridges are simply clamped down at the connection points with or without conductors. The bridges can be assembled as required for the number of positions. Individual forks are removed for jumping bridging.



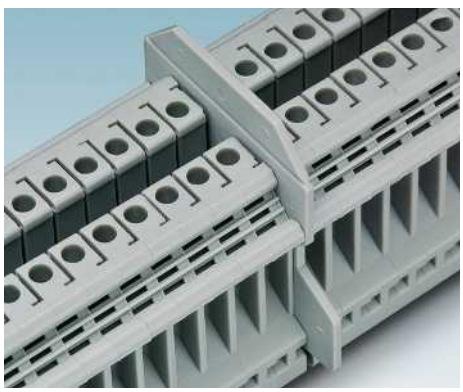
PSB ... test sockets, which can be screwed into the bridge shaft, enable reliable test connections for 2.3 mm and 4 mm test plugs. The 2.3 mm MPS ... test plug makes direct contact in the bridge shaft when using terminal blocks with 5.2 and 6.2 mm design widths.



Large and clear marking of the terminal points is essential for reliable and quick installation. Each terminal point in the UK series can be labeled separately.



The TS ... separating disk is used to electrically and visually separate two neighboring bridges. A separating disk should be placed on both sides of the bridge in order for the terminal blocks to retain their complete nominal voltage.



The partition plates protrude beyond the terminal block contours. They provide visual as well as electrical group separation.

UK ... feed-through terminal blocks

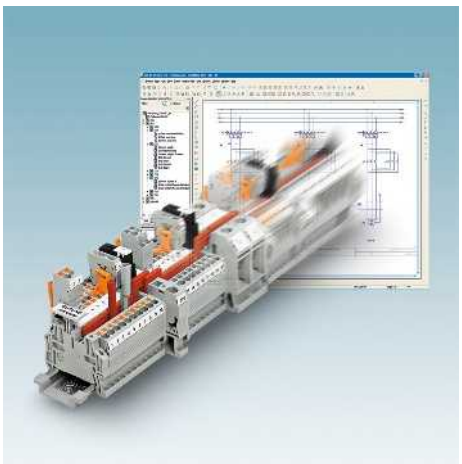


- The UK series of universal screw terminal blocks possesses typical features which are crucial to practical use
- Universal foot which can be used on NS 35... and NS 32... DIN rails
- Potential distribution alternatively via fixed bridges in the terminal center or insertion bridges in the clamping space
- High bridge currents

High-current terminal blocks up to 240 mm²

The UKH high-current terminal blocks up to 240 mm² can be found in the "UT screw connection terminal blocks" section

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



Notes:

For more insertion bridges, visit www.phoenixcontact.net/products

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.



1.5 (1.5) mm², 17.5 A, feed-through terminal block

Ex: KEMA 98ATEX1651 U / IECEx KEM 06.0034U

Technical data

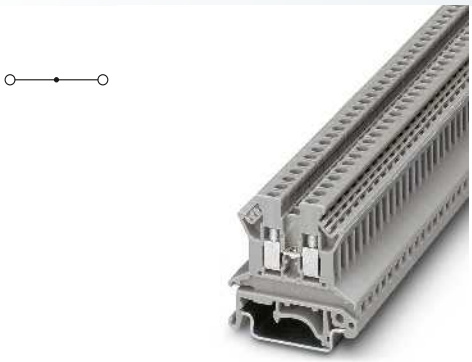
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		4.2	**42.5**	**42**
Dimensions		Width	Length	Height NS 32
	[mm]	**4.2**	**42.5**	**47**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		17.5	**500**	**0.14 - 1.5** / **26 - 16**
Rated data		IEC 60947-7-1		Ex
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	300	- / 352
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	- / 17 / 1.5 // 17 / 1.5
Rated cross section	[mm²]	1.5	-	- / 1.5
Cross section range	AWG	26 - 16	30-14	- / 26 - 16
Connection capacity		solid	stranded	Ferrule / Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75 / 0.25 - 0.75
Two conductors (of the same type)	[mm²]	0.14 - 0.75	0.14 - 0.75	0.25 - 0.34 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 0.5
Max. cross section with insertion bridge	[mm²]			
General data				
Stripping length	[mm]	7		
Screw thread		M2		
Tightening torque	[Nm]	0.22 - 0.25		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**UK 1,5 N**		**3005837**	50
		blue	**UK 1,5 N BU**		**3005840**	50

Accessories[1])

Cover, width 1.5 mm		gray	**D-UK 2,5**		**3001022**	50
		blue	**D-UK 2,5 BU**		**3001103**	50
Cover, width 1.8 mm		gray				
		blue				
Fixed bridge, insulated	10	silver	**FBRN 10-4 N**	12 A	**3001624**	10
Insertion bridge, insulated	10	gray				
Switch bar for 2 terminal blocks, complete, to increase insulation an end cover must be interposed	2	silver				
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver				
Bridge bar isolator, as distance piece for isolator bridge bar		gray				
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray				
Partition plate, 1.5 mm wide		gray	**ATP-UK**		**3003224**	50
Test socket		silver				
Test socket, insulated, can be used only with FBI and ISSBI		silver				
Screwdriver			**SZS 0,4X2,5 VDE**		**1205037**	10
Lateral groove labeling			**ZB 4 (see Catalog 5)**			



2.5 (4) mm², 24 A, feed-through terminal block

KEMA 06ATEX0119 U / IECEx KEM 06.0034U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**42.5**	**42**	
Width	Length	Height NS 32	
5.2	**42.5**	**47**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**800**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	300	300	550
24 / 2.5	20 / -	20 / -	27
2.5	-	-	2.5
24 - 12	30-12	28-12	24 - 12
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1
0.2 - 1	0.25 - 1	0.25 - 1	-
			0.5 - 1.5
2.5	2.5		
7			
M3			
0.6 - 0.8			
PA			
V2			

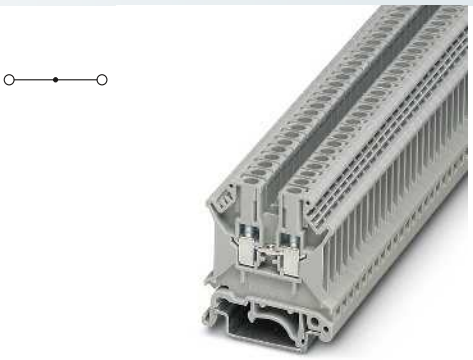
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 2,5 N		**3003347**	50
UK 2,5 N BU		**3003350**	50

Accessories[1])

D-UK 2,5		**3001022**	50
D-UK 2,5 BU		**3001103**	50
FBRI 10-5 N	24 A	**2770642**	10
EBL 10- 5	24 A	**2303132**	10
USBR 2-7	18 A	**2303239**	1
TS-KK 3		**2770215**	50
ATP-UK		**3003224**	50
PSB 3/10/4		**0601292**	10
PSBJ 3/13/4		**0201304**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 5 (see Catalog 5)



2.5 (4) mm², 32 A, feed-through terminal block

KEMA 98ATEX1651 U / IECEx KEM 06.0034U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**42.5**	**47**	
Width	Length	Height NS 32	
5.2	**42.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**800**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	690
24 / 2.5	20 / -	20 / -	23 / 2.5 // 29 / 4
2.5	-	-	2.5
24 - 12	28-12	28-12	24 - 12
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 1.5
4	2.5		
8			
M3			
0.6 - 0.8			
PA			
V0			

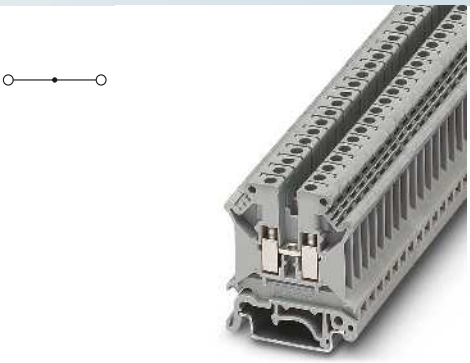
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 3 N		**3001501**	50
UK 3 N BU		**3001514**	50

Accessories[1])

D-UK 4/10		**3003020**	50
D-UK 4/10 BU		**3003101**	50
FBRI 10-5 N	30 A	**2770642**	10
EBL 10- 5	24 A	**2303132**	10
TS-K		**1302215**	50
ATP-UK		**3003224**	50
PSB 3/10/4		**0601292**	10
PSBJ 3/13/4		**0201304**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 5 (see Catalog 5)



4 (6) mm², 41 A, feed-through terminal block

KEMA 98ATEX1651 U / IECEx KEM 06.0034U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**42.5**	**47**	
Width	Length	Height NS 32	
6.2	**42.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**800**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	550
32 / 4	30 / -	40 / -	32.5 / 4 // 37.5 / 6
4	-	-	4
24 - 10	30-10	28-10	24 - 10
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 2.5
4	4		
8			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 5 N		**3004362**	50
UK 5 N BU		**3004388**	50

Accessories[1])

D-UK 4/10		**3003020**	50
D-UK 4/10 BU		**3003101**	50
FBI 10- 6	41 A	**0203250**	10
EB 10- 6	32 A	**0201139**	10
USBR 2-7	34 A	**2303239**	1
ISSBI 10- 6	30 A	**0301505**	10
IS-K 4		**1302338**	100
TS-K		**1302215**	50
ATP-UK		**3003224**	50
PSB 3/10/4		**0601292**	10
PSBJ 3/13/4		**0201304**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

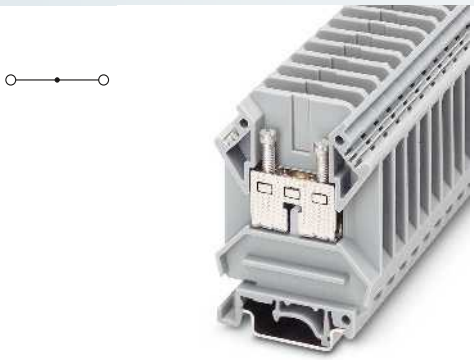
ZB 6 (see Catalog 5)

UK ... feed-through terminal blocks

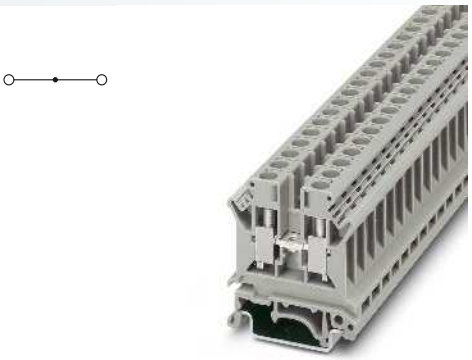
– All universal terminal blocks of series UK... can also be used in the area at risk of explosion according to IEC/EN 60079 as standard
– The corresponding EC sample test certificate numbers for Ex approval can be found in the technical connection data

Notes:

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.



6 (10) mm², 57 A, 2000 V, feed-through terminal block



6 (10) mm², 57 A, feed-through terminal block

Ex: 89.B.1083 U

Ex: KEMA 98ATEX1651 U / IECEx KEM 06.0034U

Technical data

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**10.2**	**52**	**70.5**		**8.2**	**42.5**	**47**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**10.2**	**52**	**75.5**		**8.2**	**42.5**	**52**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		57	**2000**	**0.5 - 10**	**20 - 8**	**57**	**800**	**0.2 - 10**	**24 - 8**
		IEC 60947-7-1			Ex	IEC 60947-7-1			Ex
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	2000	1000	600	1100	800	600	600	690
Nominal current / cross section	[A] / [mm²]	41	50 / -	25 / -	-	41 / 6	50 / -	50 / -	43.5 / 6 // 58.5 / 10
Rated cross section	[mm²]	6	-	-	-	6	-	-	6
Cross section range	AWG	20 - 8	26-8	26-12	-	24 - 8	26-8	26-8	24 - 8
Connection capacity		solid	stranded	Ferrule		solid	stranded	Ferrule	
				Without / with plastic sleeve				Without / with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 10	0.5 - 6	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
Two conductors (of the same type)	[mm²]	0.5 - 6	0.5 - 6	0.5 - 6	-	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 6				0.5 - 4
Max. cross section with insertion bridge	[mm²]					4	4		
General data									
Stripping length	[mm]	10				10			
Screw thread		M4				M4			
Tightening torque	[Nm]	1.5 - 1.8				1.5 - 1.8			
Insulating material		PA				PA			
Inflammability class according to UL 94		V2				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**UHSK/S 2000**		**0704076**	50
		blue				
Terminal block, for mounting on NS 35...		gray				
		blue				

Ordering data

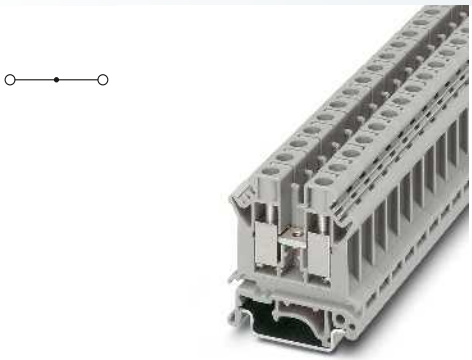
Type	I_{max}	Order No.	Pcs. / Pkt.
UK 6 N		**3004524**	50
UK 6 N BU		**3004977**	50

Accessories[1])

Cover, width 1.8 mm		gray			
Cover, width 1.5 mm		gray			
Cover, width 2 mm		gray	**D-UHSK 2000**	**0704021**	50
Fixed bridge, insulated					
	2	silver			
	10	silver	**FBI 10-10**	**0203276**	10
Insertion bridge, fully insulated					
	10	gray			
Switching jumper for 2 terminal blocks, a cover must be placed between them to increase isolation		silver			
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**					
	10	silver			
Bridge bar isolator, as distance piece for isolator bridge bar		gray			
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray			
Partition plate, 1.5 mm wide		gray			
Test socket, for test connection with PS test plug		silver			
Screwdriver					
Lateral groove labeling			**ZB 10 (see Catalog 5)**		

Accessories[1])

D-UK 4/10		**3003020**	50
FBI 10- 8	57 A	**0203263**	10
EB 10- 8	57 A	**0202138**	10
SB 2- 8/13 N	40 A	**0200062**	1
ISSBI 10- 8	57 A	**0301534**	10
IS-K 10		**1303337**	100
TS-K		**1302215**	50
ATP-UK		**3003224**	50
PSB 4/7/6		**0303299**	10
SZS 1,0X4,0 VDE		**1205066**	10
ZB 8 (see Catalog 5)			



10 (16) mm², 76 A, feed-through terminal block

Ex: KEMA 98ATEX1786U / IECEx KEM 06.0029U

Technical data

Width	Length	Height NS 35/7,5	
10.2	**42.5**	**47.3**	
Width	Length	Height NS 32	
10.2	**42.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
76	**800**	**0.5 - 16**	**20 - 6**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	690
57 / 10	65 / -	65 / -	57 / 10 // 73 / 16
10	-	-	10
20 - 6	24-6	24-6	20 - 6
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
			0.5 - 6
10	10		
10			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 10 N		**3005073**	50
UK 10 N BU		**3005086**	50

Accessories[1])

D-UK 4/10		**3003020**	50
FBI 10-10	76 A	**0203276**	10
EB 10-10	70 A	**0203137**	10
TS-K		**1302215**	50
ATP-UK		**3003224**	50
PSB 4/7/6		**0303299**	10
SZS 1,0X4,0 VDE		**1205066**	10
ZB 10 (see Catalog 5)			



16 (25) mm², 101 A, feed-through terminal block

Ex: KEMA 98ATEX1786U / IECEx KEM 06.0029U

Technical data

Width	Length	Height NS 35/7,5	
12.2	**42.5**	**54**	
Width	Length	Height NS 32	
12.2	**42.5**	**59**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
101	**800**	**2.5 - 25**	**14 - 4**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	690
76 / 16	85 / -	85 / -	74 / 16 // 91.5 / 25
16	-	-	16
14 - 4	22-4	22-4	14 - 4
solid	stranded	Ferrule	
		Without / with plastic sleeve	
2.5 - 25	4 - 16	1.5 - 16	1.5 - 16
1.5 - 6	1.5 - 4	1.5 - 6	-
			0.75 - 10
16	16		
11			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 16 N		**3006043**	50
UK 16 N BU		**3006056**	50

Accessories[1])

D-UK 16		**3006027**	50
FBI 10-12	101 A	**0203454**	10
EB 10-12	70 A	**3006137**	10
TS-K		**1302215**	50
ATP-UK		**3003224**	50
PSB 4/7/6		**0303299**	10
SZS 1,0X4,0 VDE		**1205066**	10
ZB 12 (see Catalog 5)			



35 (35) mm², 125 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/7,5	
16	**54.5**	**62.1**	
Width	Length	Height NS 32	
16	**54.5**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
125	**800**	**10 - 35**	**8 - 2**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	-	-	-
125 / 35	- / -	-	-
35	-	-	-
8 - 2	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
10 - 35	10 - 35	10 - 35	10 - 35
6 - 16	6 - 10	6 - 10	-
			6 - 10
16			
M6			
3.2 - 3.7			
PA			
V0			

Ordering data

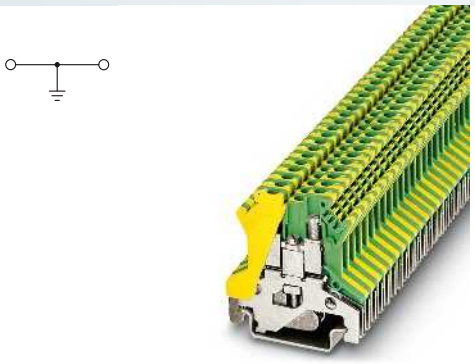
Type	I_{max}	Order No.	Pcs. / Pkt.
UK 35 N		**3074130**	50
UK 35 N BU		**3058350**	50

Accessories[1])

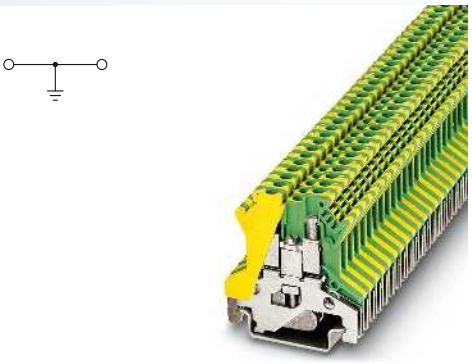
FBI 2-15	125 A	**0201333**	10
PSB 6/5/6		**0205290**	10
SZS 1,0X6,5 VDE		**1205079**	10
ZB 16,3 (see Catalog 5)			

USLKG ... ground terminal blocks

Notes:
For current carrying capacity of DIN rails, see page 716.
[1]) For installation notes on the use of accessories for Ex e applications, see page 710.



1.5 (1.5) mm², ground terminal block



2.5 (4) mm², ground terminal block

Ex: KEMA 99ATEX4487U / IECEx KEM 06.0035U

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**4.2**	**42.5**	**42**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**4.2**	**42.5**	**47**	
Max. electrical data				max. Ø [mm²]	AWG
				0.14 - 1.5	**26 - 16**
Rated data		IEC 60947-7-2			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	- / -	-	-
Rated cross section	[mm²]	1.5	-	-	1.5
Cross section range	AWG	26 - 16	30-14	-	26 - 16
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
Two conductors (of the same type)	[mm²]	0.14 - 0.75	0.14 - 0.75	0.25 - 0.34	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 0.5
General data					
Stripping length	[mm]	7			
Screw thread		M2			
Terminal point: thread / torque	- / [Nm]	M2 / 0.22 - 0.25			
Mounting: thread / torque	- / [Nm]	M2 / 0.22 - 0.25			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 32... or NS 35...	green-yellow	**USLKG 1,5 N**	**3005853**	50
Ground terminal block, for mounting on NS 35/15-2,3	green-yellow			

Accessories[1])

Screwdriver	**SZS 0,4X2,5 VDE**	**1205037**	10
Lateral groove labeling	**ZB 4 (see Catalog 5)**		

Ex: KEMA 96ATEX4370 U / IECEx KEM 06.0035U

Technical data

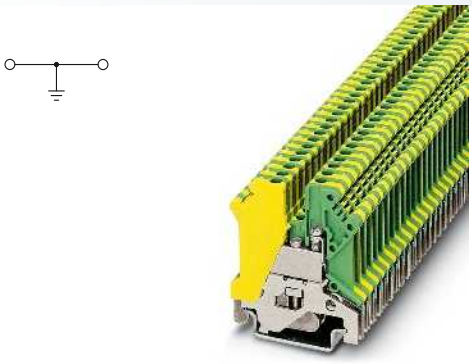
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**42.5**	**42**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**5.2**	**42.5**	**47**	
Max. electrical data				max. Ø [mm²]	AWG
				0.2 - 4	**24 - 12**
Rated data		IEC 60947-7-2			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	- / -	-	-
Rated cross section	[mm²]	2.5	-	-	2.5
Cross section range	AWG	24 - 12	30-12	28-12	24 - 12
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Terminal point: thread / torque	- / [Nm]	M3 / 0.6 - 0.8			
Mounting: thread / torque	- / [Nm]	M2,5 / 0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

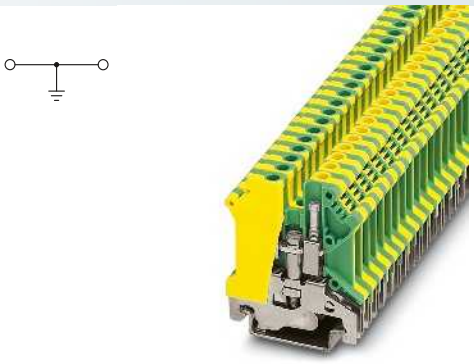
Type	Order No.	Pcs. / Pkt.
USLKG 2,5 N	**0441119**	50
USLKG 2,5 N-1	**0443081**	50

Accessories[1])

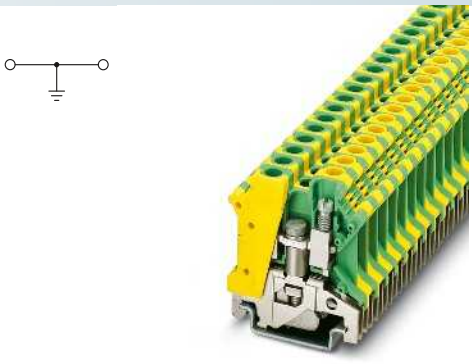
Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Lateral groove labeling	**ZB 5 (see Catalog 5)**		



2.5 (4) mm², ground terminal block



4 (6) mm², ground terminal block



6 (10) mm², ground terminal block

CCA

Ex:

KEMA 97ATEX1622 U / IECEx KEM 06.0035U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**42.5**	**47**	
Width	Length	Height NS 32	
5.2	**42.5**	**52**	
		max. Ø [mm²]	AWG
		0.2 - 4	**24 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	2.5
24 - 12	28-12	22-12	24 - 12
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1.5
8			
M3			
M3 / 0.6 - 0.8			
M2,5 / 0.5 - 0.6			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
USLKG 3	**0441083**	50
USLKG 3-1	**0441106**	50

Accessories[1])

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

ZB 5 (see Catalog 5)

CCA

Ex:

KEMA 99ATEX4487U / IECEx KEM 06.0035U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**42.5**	**47**	
Width	Length	Height NS 32	
6.2	**42.5**	**52**	
		max. Ø [mm²]	AWG
		0.2 - 6	**24 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	4
24 - 10	26-10	26-10	24 - 10
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 2.5
8			
M3			
M3 / 0.6 - 0.8			
M3 / 0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
USLKG 5	**0441504**	50
USLKG 5-1	**0441517**	50

Accessories[1])

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

ZB 6 (see Catalog 5)

CCA

Ex:

KEMA 96ATEX4370 U / IECEx KEM 06.0035U

Technical data

Width	Length	Height NS 35/7,5	
8.2	**42.5**	**47**	
Width	Length	Height NS 32	
8.2	**42.5**	**52**	
		max. Ø [mm²]	AWG
		0.2 - 10	**24 - 8**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	6
24 - 8	26-8	-	24 - 8
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	- 0.5 - 4
10			
M4			
M4 / 1.5 - 1.8			
M4 / 1.5 - 1.8			
PA			
V0			

Ordering data

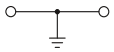
Type	Order No.	Pcs. / Pkt.
USLKG 6 N	**0442079**	50
USLKG 6 N-1	**0444048**	50

Accessories[1])

SZS 1,0X4,0 VDE	**1205066**	10

ZB 8 (see Catalog 5)

USLKG ... ground terminal blocks





10 (16) mm², 76 A, ground terminal block

Notes:
For current carrying capacity of DIN rails, see page 716.
[1]) For installation notes on the use of accessories for Ex e applications, see page 710.

CCA

Ex:

KEMA 99ATEX4487U / IECEx KEM 06.0035U

Technical data

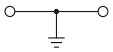
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**10.2**	**42.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**10.2**	**42.5**	**52**	
Max. electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG
		76		**0.5 - 16**	**20 - 6**
Rated data		IEC 60947-7-2 IEC	UL/CUL	CSA	Ex IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	57 / 10	- / -	-	-
Rated cross section	[mm²]	10	-	-	10
Cross section range	AWG	20 - 6	24-6	24-6	20 - 6
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
Two conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 6
General data					
Stripping length	[mm]	10			
Screw thread		M4			
Terminal point: thread / torque	- / [Nm]	M4 / 1.5 - 1.8			
Mounting: thread / torque	- / [Nm]	M4 / 1.5 - 1.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 32... or NS 35...	green-yellow	**USLKG 10 N**	**3003923**	50
Ground terminal block, for mounting on NS 35/15-2,3	green-yellow	**USLKG 10 N-1**	**0442082**	50
Ground terminal block, for mounting on NS 35...	green-yellow			

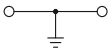
Accessories[1])

Screwdriver	**SZS 1,0X4,0 VDE**	**1205066**	10
Lateral groove labeling	**ZB 10 (see Catalog 5)**		





16 (25) mm², 101 A, ground terminal block





35 (35) mm², 125 A, ground terminal block

Ex: KEMA 99ATEX4487U / IECEx KEM 06.0035U

Technical data

Width	Length	Height NS 35/7,5	
12.2	**42.5**	**54**	
Width	Length	Height NS 32	
12.2	**42.5**	**59**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
101		**2.5 - 25**	**12 - 4**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
76 / 16	- / -	-	-
16	-	-	16
12 - 4	22-4	22-4	12 - 4
solid	stranded	Ferrule Without / with plastic sleeve	
2.5 - 25	4 - 16	1.5 - 16	1.5 - 16
1.5 - 6	1.5 - 4	1.5 - 6	- 0.75 - 10
11			
M4			
M4 / 1.5 - 1.8			
M4 / 1.5 - 1.8			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
16	**53.4**	**62**	
Width	Length	Height NS 32	
16	**53.4**	**-**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
125		**10 - 35**	**8 - 2**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
125 / 35	- / -	-	-
35	-	-	-
8 - 2	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
10 - 35	10 - 35	10 - 35	10 - 35
6 - 16	6 - 10	6 - 10	- 6 - 10
16			
M6			
M6 / 3.2 - 3.7			
M5 / 2.5 - 3			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
USLKG 16 N	**0443023**	50
USLKG16 N-1	**0443036**	50

Accessories[1])

SZS 1,0X4,0 VDE	**1205066**	10

ZB 12 (see Catalog 5)

Ordering data

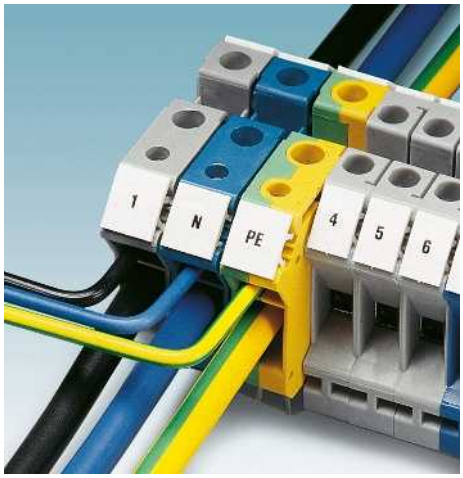
Type	Order No.	Pcs. / Pkt.
USLKG 35 N	**3074143**	50

Accessories[1])

SZS 1,0X6,5 VDE	**1205079**	10

ZB 16,3 (see Catalog 5)

UK...-TWIN and UK 10-PLUS feed-through terminal blocks with 3 connections



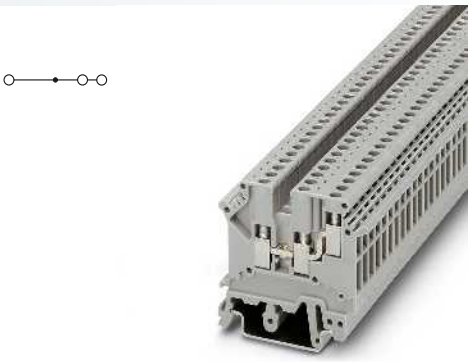
- These twin modular terminal blocks are designed for the basic job of potential branching
- Easy connection of conductors that differ greatly with regard to type and cross section
- Two independent conductor connections can be used on the switch cabinet side
- Bridgeable in the terminal center, even with neighboring feed-through terminal blocks added: UK 3−TWIN with UK 3 N, UK 5−TWIN with UK 5 N, and UK 10−TWIN and UK 10−PLUS with UK 10 N
- The UK 3-TWIN and UK 5-TWIN terminal blocks have the same shape but different pitch widths
- The UK 10−TWIN has two 10 mm² connection options
- The UK 10−PLUS has one connection for connecting through a 10 mm² supply cable and a 4 mm² tap
- UK 10−TWIN and UK 10−PLUS can also be bridged in the terminal center with UK 10 N feed-through terminal blocks
- With universal foot for mounting on NS 35... or NS 32... DIN rails

Notes:

If added to the open side of the UK 3-TWIN and UK 5-TWIN universal terminal blocks, the open metal part must be closed with the UK 5-TWIN-DECKELSEGMENT, five of which are supplied with every package.

1) The total current of all connected conductors must not exceed the max. load current.

2) Tap: 41 A / 6 mm²



2.5 (2.5) mm², 24 A, feed-through terminal block, 3 connections

CCA

Technical data

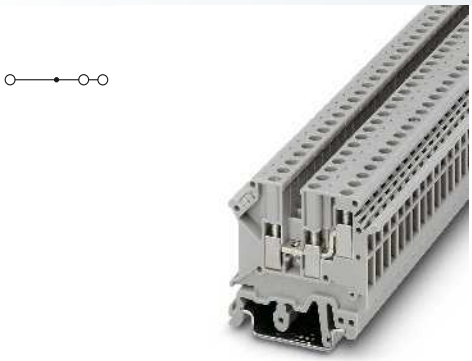
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**50.5**	**47**
Dimensions		Width	Length	Height NS 32
	[mm]	**5.2**	**50.5**	**52**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		24[1]	**400**	**0.2 - 2.5** / **24 - 14**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400	300	300 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	24 - 14	30-12	28-12 / -
Connection capacity continuity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5 / 0.25 - 1
Two conductors (of the same type)	[mm²]	0.2 - 0.5	0.2 - 0.5	0.25 - 0.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 0.75
Max. cross section with insertion bridge	[mm²]	2.5	2.5	
Connection capacity pick-off		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	-	-	- / -
Two conductors (of the same type)	[mm²]	-	-	- / -
Two conductors with a TWIN ferrule	[mm²]			
General data				
Stripping length: continuity / pick-off	[mm]	8 / -		
Continuity: thread / torque		M3 / 0.5 - 0.6		
Pick-off: thread / torque		- / -		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with universal foot for reversible mounting on NS 32... or NS 35...		gray	**UK 3-TWIN**		**3002225**	50
		blue	**UK 3-TWIN BU**		**3002416**	50

Accessories

Cover, width 2 mm		gray	**D-UK 5-TWIN**		**1923034**	50
		blue	**D-UK 5-TWIN BU**		**1923050**	50
Fixed bridge, insulated	10	silver	**FBRI 10-5 N**	24 A	**2770642**	10
Insertion bridge, insulated	2	gray	**EBL 2- 5**	24 A	**2303145**	10
	3	gray	**EBL 3- 5**	24 A	**2303158**	10
	10	gray	**EBL 10- 5**	24 A	**2303132**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-K**		**1302215**	50
Test socket		silver	**PSB 3/10/4**		**0601292**	10
Test socket, insulated, can be used only with FBI and ISSBI		silver	**PSBJ 3/13/4**		**0201304**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**ZB 5 (see Catalog 5)**			



4 (4) mm², 32 A, feed-through terminal block, 3 connections

Ex: KEMA 00ATEX2100 U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**50.5**	**47**	
Width	Length	Height NS 32	
6.2	**50.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32[1])	**500**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	275
32 / 4	30 / -	30 / -	-
4	-	-	-
24 - 12	30-10	22-10	24 - 12
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1.5
4	4		
solid	stranded	Ferrule Without / with plastic sleeve	
-	-	-	-
-	-	-	-
8 / -			
M3 / 0.6 - 0.8			
- / -			
PA			
V2			

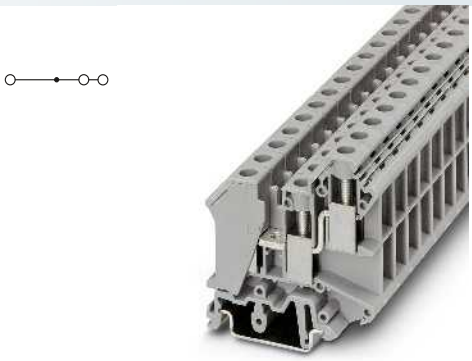
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 5-TWIN		**1923021**	50
UK 5-TWIN BU		**1923047**	50

Accessories

D-UK 5-TWIN		**1923034**	50
D-UK 5-TWIN BU		**1923050**	50
FBI 10- 6	32 A	**0203250**	10
EB 2- 6	32 A	**0201155**	100
EB 3- 6	32 A	**0201142**	100
EB 10- 6	32 A	**0201139**	10
TS-K		**1302215**	50
PSB 3/10/4		**0601292**	10
PSBJ 3/13/4		**0201304**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)



10 (16) mm², 76 A, feed-through terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
10.2	**56.5**	**59**	
Width	Length	Height NS 32	
10.2	**56.5**	**64**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
76[1])	**800**	**0.5 - 16**	**20 - 6**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	300	600	-
57 / 10	65 / -	65 / -	-
10	-	-	-
20 - 6	24-6	24-6	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	- 0.5 - 4
solid	stranded	Ferrule Without / with plastic sleeve	
-	-	-	-
-	-	-	-
11 / -			
M4 / 1.5 - 1.8			
- / -			
PA			
V0			

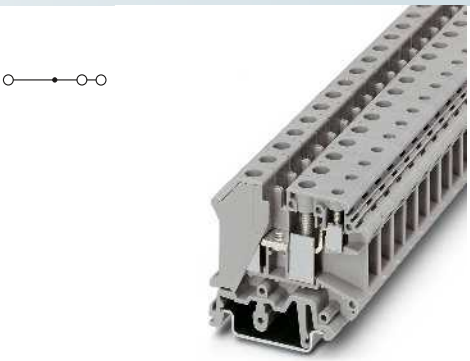
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 10-TWIN		**3005196**	50
UK 10-TWIN BU		**3005235**	50

Accessories

FBI 10-10	76 A	**0203276**	10
TS-KK 3		**2770215**	50
PSB 4/7/6		**0303299**	10
PSBJ 4/15/6 RD		**0303325**	10
SZS 1,0X4,0 VDE		**1205066**	10

ZB 10 (see Catalog 5)



10 (16) mm², 76 A, feed-through terminal block, with tap

Technical data

Width	Length	Height NS 35/7,5	
10.2	**53**	**47**	
Width	Length	Height NS 32	
10.2	**53**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
76[2])	**800**	**0.5 - 16**	**20 - 6**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
57[1]) / 10	65 / -	20	-
10	-	-	-
20 - 6	24-6	28-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	- 0.5 - 4
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1.5
11 / 7			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Ordering data

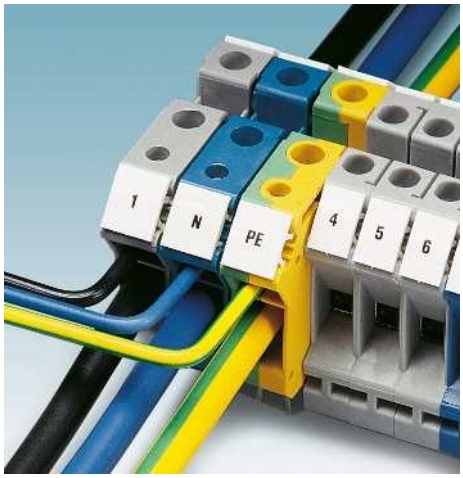
Type	I_{max}	Order No.	Pcs. / Pkt.
UK 10-PLUS		**3001381**	50
UK 10-PLUS BU		**3001475**	50

Accessories

FBI 10-10	76 A	**0203276**	10
TS-KK 3		**2770215**	50
PSB 4/7/6		**0303299**	10
PSBJ 4/15/6 RD		**0303325**	10
SZS 1,0X4,0 VDE		**1205066**	10

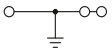
ZB 10 (see Catalog 5)

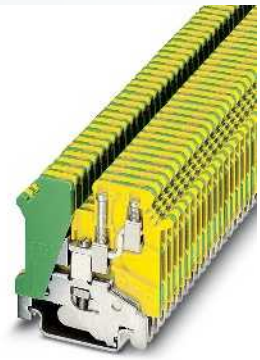
UK...-TWIN-PE and UK 10-PLUS-PE ground terminal blocks with 3 connections



- Same shape and pitch as the feed-through terminal blocks
- Universal ground conductor foot for mounting on NS 35...- or NS 32... DIN rails (with the exception of NS 35/15−2,3)
- LB ... and ISSBI 10-6 bridges can be attached to the neighboring UK, UK-TWIN, and UK-PLUS versions with bridging facility thanks to the housing cut-outs in the ground terminal blocks

Notes:
For current carrying capacity of DIN rails, see page 716.
1) The total current of all connected conductors must not exceed the max. load current.
2) Tap: 41 A / 6 mm²





2.5 (2.5) mm², ground terminal block, 3 connections

Technical data

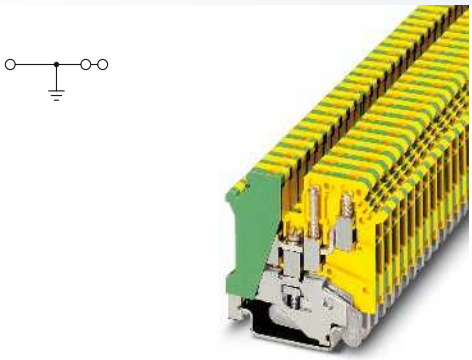
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**50.5**	**47**
Dimensions		Width	Length	Height NS 32
	[mm]	**5.2**	**50.5**	**52**
Max. electrical data				
				max. Ø [mm²] / AWG
				0.2 - 2.5 / 24 - 14
Rated data		IEC 60947-7-2 IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	24 - 14	30-12	- / -
Connection capacity continuity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5 / 0.25 - 1
Two conductors (of the same type)	[mm²]	0.2 - 0.5	0.2 - 0.5	0.25 - 0.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 0.75
Connection capacity pick-off		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	-	-	- / -
Two conductors (of the same type)	[mm²]	-	-	- / -
Two conductors with a TWIN ferrule	[mm²]			
General data				
Stripping length: continuity / pick-off	[mm]	8 / -		
Continuity: thread / torque		M3 / 0.5 - 0.6		
Pick-off: thread / torque		- / -		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

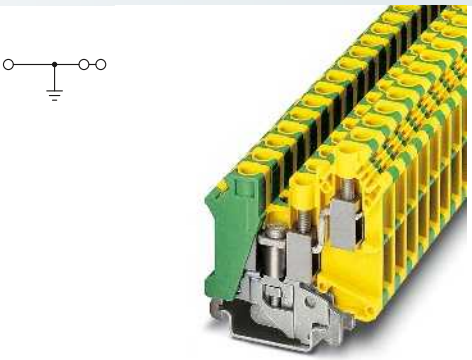
Description	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 32... or NS 35...	green-yellow	**UK 3-TWIN-PE**	**1923128**	50

Accessories

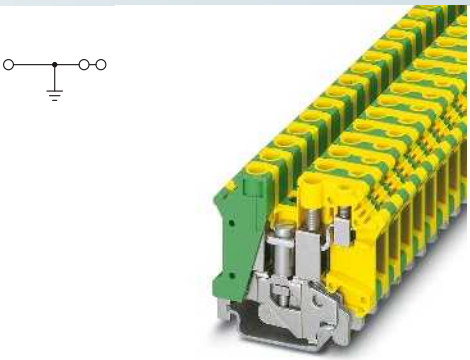
Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Lateral groove labeling	**ZB 5 (see Catalog 5)**		



4 (4) mm², ground terminal block, 3 connections



10 (16) mm², 76 A, ground terminal block, 3 connections



10 (16) mm², 76 A, ground terminal block, with tap and PE foot

Technical data

Width	Length	Height NS 35/7,5	
6.2	**50.5**	**47**	
Width	Length	Height NS 32	
6.2	**50.5**	**52**	
		max. Ø [mm²]	AWG
		0.2 - 4	**24 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	-
24 - 12	30-10	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1.5
solid	stranded	Ferrule Without / with plastic sleeve	
-	-	-	-
-	-	-	-
8 / -			
M3 / 0.6 - 0.8			
- / -			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UK 5-TWIN-PE	**1923076**	50

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10
ZB 6 (see Catalog 5)		

Technical data

Width	Length	Height NS 35/7,5	
10.2	**56.5**	**59**	
Width	Length	Height NS 32	
10.2	**56.5**	**64**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
76[1])		**0.5 - 16**	**20 - 6**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
57 / 10	- / -	-	-
10	-	-	-
20 - 6	24-6	24-6	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	- 0.5 - 4
solid	stranded	Ferrule Without / with plastic sleeve	
-	-	-	-
-	-	-	-
11 / -			
M4 / 1.5 - 1.8			
- / -			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UK 10-TWIN-PE	**3001433**	50

Accessories

SZS 1,0X4,0 VDE	**1205066**	10
ZB 10 (see Catalog 5)		

Technical data

Width	Length	Height NS 35/7,5	
10.2	**53**	**47**	
Width	Length	Height NS 32	
10.2	**53**	**52**	
$I_{max.}$ [A]		max. Ø [mm²]	AWG
76[2])		**0.5 - 16**	**20 - 6**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
57[1]) / 10	- / -	-	-
10	-	-	-
20 - 6	24-6	28-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 6	- 0.5 - 6
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1.5
11 / 7			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UK 10-PLUS-PE	**3001420**	50

Accessories

SZS 1,0X4,0 VDE	**1205066**	10
ZB 10 (see Catalog 5)		

UDK ... feed-through and PE terminal blocks with 4 connections

– Two connection points on each side to accommodate several conductors
– Double bridge shaft enables individual potential distribution and supply
– Design width of 5.2 mm or 6.2 mm
– UDK 3 and UDK 4 are the same shape

UDK ...-PE ground terminal block

– Same shape and pitch as the feed-through terminal blocks
– The ISSBI 10-6 bridge can be attached to the neighboring UDK 4 versions with bridging facility thanks to the housing cut-outs in the ground terminal blocks
– Universal ground conductor foot for mounting on NS 35...- or NS 32... DIN rails (with the exception of NS 35/15−2, 3)

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) The total current of all connected conductors must not exceed the max. load current.



2.5 (4) mm², 32 A, feed-through terminal block, 4 connections

Technical data

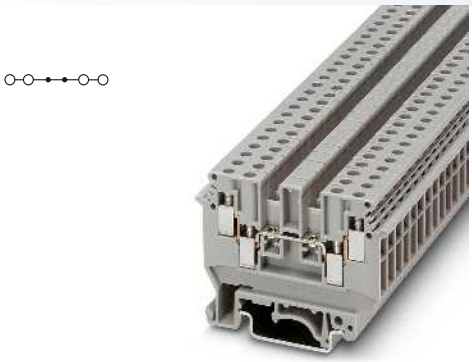
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**5.2**	**63.5**	**47**
Dimensions		Width	Length	Height NS 32
	[mm]	**5.2**	**63.5**	**52.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		32[1])	**500**	**0.2 - 4** / **24 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	300	300 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	24 - 12	30-12	28-12 / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5 / 0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 1
Max. cross section with insertion bridge	[mm²]	2.5	2.5	
General data				
Stripping length	[mm]	8		
Terminal point: thread / torque	- / [Nm]	M3 / 0.5 - 0.6		
Mounting: thread / torque	- / [Nm]	- / -		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Ordering data

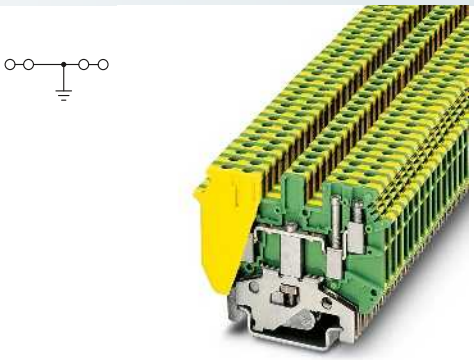
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**UDK 3**		**2775375**	50
		blue	**UDK 3 BU**		**2718277**	50
Ground terminal block, for mounting on NS 32... or NS 35...		green-yellow				

Accessories

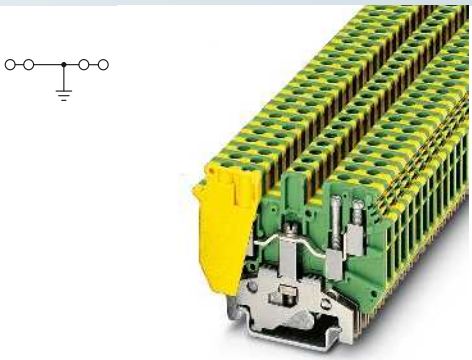
Cover, width 1.5 mm		gray	**D-UDK 4**		**2775113**	50
		blue	**D-UDK 4 BU**		**2775197**	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulation collar						
	2	silver	**FBRI 2-5 N**	26 A	**3000227**	10
	3	silver	**FBRI 3-5 N**	26 A	**3000201**	10
	4	silver	**FBRI 4-5 N**	26 A	**3000191**	10
	10	silver	**FBRI 10-5 N**	26 A	**2770642**	10
Insertion bridge, insulated						
	2	gray	**EBL 2- 5**	26 A	**2303145**	10
	3	gray	**EBL 3- 5**	26 A	**2303158**	10
	10	gray	**EBL 10- 5**	26 A	**2303132**	10
Switch bar for 2 terminal blocks, complete, to increase insulation an end cover must be interposed						
	2	silver				
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**						
	10	silver				
Bridge bar isolator, as distance piece for isolator bridge bar		gray				
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**ZB 5 (see Catalog 5)**			



4 (6) mm², 32 A, feed-through terminal block, 4 connections



2.5 (4) mm², ground terminal block, 4 connections



4 (6) mm², ground terminal block, 4 connections

Technical data

Width	Length	Height NS 35/7,5	
6.2	**63.5**	**47**	
Width	Length	Height NS 32	
6.2	**63.5**	**52.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32[1])	**630**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
630	600	600	-
32 / 4	30 / -	25 / -	-
4	-	-	-
24 - 10	30-10	22-10	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 1
2.5	2.5		
8			
M3 / 0.5 - 0.6			
- / -			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UDK 4		**2775016**	50
UDK 4 BU		**2775090**	50

Accessories

D-UDK 4		**2775113**	50
D-UDK 4 BU		**2775197**	50
FBI 10- 6	32 A	**0203250**	10
EB 2- 6	26 A	**0201155**	100
EB 3- 6	26 A	**0201142**	100
EB 10- 6	26 A	**0201139**	10
USBR 2-7	24 A	**2303239**	1
ISSBI 10- 6	32 A	**0301505**	10
IS-K 4		**1302338**	100
TS-KK 3		**2770215**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
5.2	**63.5**	**47**	
Width	Length	Height NS 32	
5.2	**63.5**	**52.5**	
		max. Ø [mm²]	AWG
		0.2 - 4	**24 - 12**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
2.5	-	-	-
24 - 12	30-12	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 1
8			
M3 / 0.5 - 0.6			
M2,5 / 0.5 - 0.6			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UDK 3-PE	**2775456**	50

Accessories

ZB 5 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**63.5**	**47**	
Width	Length	Height NS 32	
6.2	**63.5**	**52.5**	
		max. Ø [mm²]	AWG
		0.2 - 6	**24 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
4	-	-	-
24 - 10	22-10	22-10	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 1
8			
M3 / 0.5 - 0.6			
M3 / 0.6 - 0.8			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UDK 4-PE	**2775184**	50

Accessories

SF-SL 0,6X3,5-100 S-VDE **1212587** 10

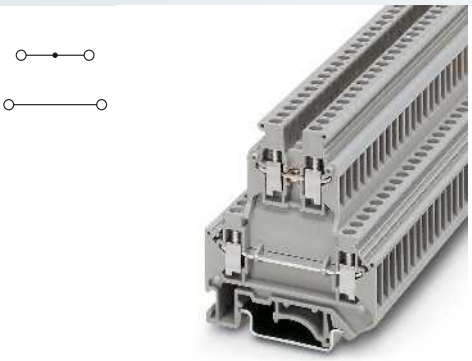
ZB 6 (see Catalog 5)

UKK ... double-level terminal blocks

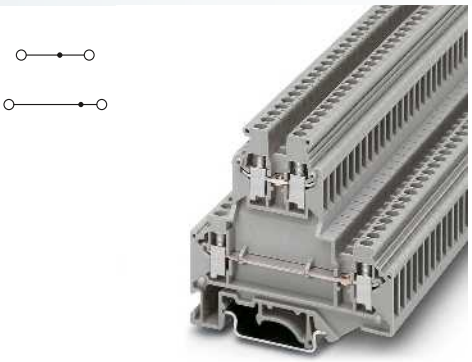
– Compact double-level terminal blocks in nominal cross sections of 2.5 and 4 mm²
– One or two bridge shafts
– Large labeling option
– Even if fully wired, the level offset offers unobstructed access to the lower connection level

Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.



2.5 (4) mm², 32 A, double-level terminal block



2.5 (4) mm², 32 A, double-level terminal block, both levels can be bridged

CCA

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Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**56**	**62**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**5.2**	**56**	**67**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		32	**500**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	25 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	28-12	28-12	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
Max. cross section with insertion bridge	[mm²]	2.5	2.5		
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**67**	**62**	
		Width	Length	Height NS 32	
	[mm]	**5.2**	**67**	**67**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		32	**500**	**0.2 - 4**	**24 - 12**
		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
	[V]	500	600	600	-
	[A] / [mm²]	24 / 2.5	20 / -	25 / -	-
	[mm²]	2.5	-	-	-
	AWG	24 - 12	28-12	28-12	-
		solid	stranded	Ferrule Without / with plastic sleeve	
	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
	[mm²]				0.5 - 1
	[mm²]	2.5	2.5		
	[mm]	8			
		M3			
	[Nm]	0.5 - 0.6			
		PA			
		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Double-level terminal block, for mounting on NS 35... and NS 32...		gray	**UKK 3**		**2770011**	50
		blue	**UKK 3 BU**		**2770095**	50
Double-level terminal block, for mounting on NS 35... and NS 32..., with equipotential bonding between the levels[1])		gray				

Ordering data

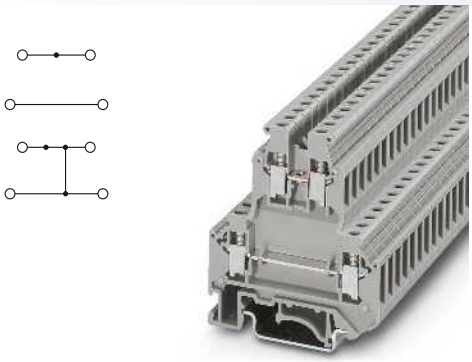
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
			UKKB 3		**2771010**	50
			UKKB 3 BU		**2771094**	50

Accessories

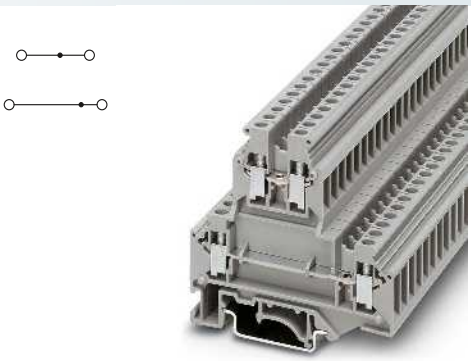
Cover, width 2.5 mm		gray	**D-UKK 3/5**		**2770024**	50
		blue	**D-UKK 3/5 BU**		**2770105**	50
Spacer plate, compensates for level offsets, width 2.5 mm		gray	**DP-UKK 3/5**		**2770794**	50
Fixed bridge, insulated						
	2	silver	**FBRNI 2-5 N**	28 A	**3000175**	10
	3	silver	**FBRNI 3-5 N**	28 A	**3000162**	10
	4	silver	**FBRNI 4-5 N**	28 A	**3000159**	10
	10	silver	**FBRNI 10-5 N**	28 A	**2770639**	10
Insertion bridge, insulated						
	2	gray				
	3	gray				
	10	gray	**EBL 10- 5**	22 A	**2303132**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**						
	10	silver				
Bridge bar isolator, as distance piece for isolator bridge bar		gray				
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Partition plate, 2.5 mm wide		gray	**ATP-UKK 3/5**		**2778521**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**ZB 5 (see Catalog 5)**			

Accessories

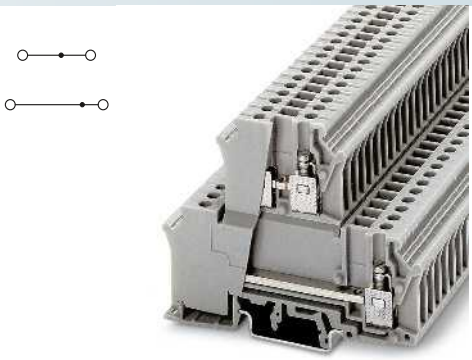
			D-UKKB 3/5		**2771023**	50
			D-UKKB 3/5 BU		**2771104**	50
			DP-UKKB 3/ 5		**2770804**	50
			FBRNI 2-5 N	28 A	**3000175**	10
			FBRNI 3-5 N	28 A	**3000162**	10
			FBRNI 4-5 N	28 A	**3000159**	10
			FBRNI 10-5 N	28 A	**2770639**	10
			EBL 10- 5	22 A	**2303132**	10
			TS-KK 3		**2770215**	50
			ATP-UKKB 3		**2771065**	50
			SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
			ZB 5 (see Catalog 5)			



4 (4) mm², 32 A, double-level terminal block



4 (4) mm², 32 A, double-level terminal block, both levels can be bridged



4 (4) mm², 32 A, 800 V, double-level terminal block, both levels can be bridged

CCA

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Ex:
KEMA 00ATEX2100 U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**56**	**62**	
Width	Length	Height NS 32	
6.2	**56**	**67**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**500**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	300	-
32 / 4	30 / -	25 / -	-
4	-	-	-
24 - 12	26-10	28-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1.5
4	2.5		
8			
M3			
0.6 - 0.8			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
6.2	**67**	**62**	
Width	Length	Height NS 32	
6.2	**67**	**67**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**500**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
32 / 4	30 / -	25 / -	-
4	-	-	-
24 - 12	26-10	28-10	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1.5
4	2.5		
8			
M3			
0.6 - 0.8			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
6.2	**84.5**	**64**	
Width	Length	Height NS 32	
6.2	**84.5**	**69**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**800**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			Ex
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	-	750
32 / 4	20 / -	-	-
4	-	-	-
24 - 12	28-12	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	- 0.5 - 1.5
4	2.5		
8			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKK 5		**2774017**	50
UKK 5 BU		**2774091**	50
UKK 5-PV		**2791388**	50

Accessories

D-UKK 3/5		**2770024**	50
D-UKK 3/5 BU		**2770105**	50
DP-UKK 3/5		**2770794**	50
FBI 10- 6	32 A	**0203250**	10
EB 2- 6	28 A	**0201155**	100
EB 3- 6	28 A	**0201142**	100
EB 10- 6	28 A	**0201139**	10
ISSBI 10- 6	24 A	**0301505**	10
IS-K 4		**1302338**	100
TS-KK 3		**2770215**	50
ATP-UKK 3/5		**2778521**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKKB 5		**2771146**	50
UKKB 5 BU		**3216053**	50

Accessories

D-UKKB 3/5		**2771023**	50
D-UKKB 3/5 BU		**2771104**	50
DP-UKKB 3/ 5		**2770804**	50
FBI 10- 6	32 A	**0203250**	10
EB 2- 6	28 A	**0201155**	100
EB 3- 6	28 A	**0201142**	100
EB 10- 6	28 A	**0201139**	10
ISSBI 10- 6	24 A	**0301505**	10
IS-K 4		**1302338**	100
TS-KK 3		**2770215**	50
ATP-UKKB 3		**2771065**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UXKK 4		**2780014**	50

Accessories

FBI 10- 6	24 A	**0203250**	10

ZB 6 (see Catalog 5)

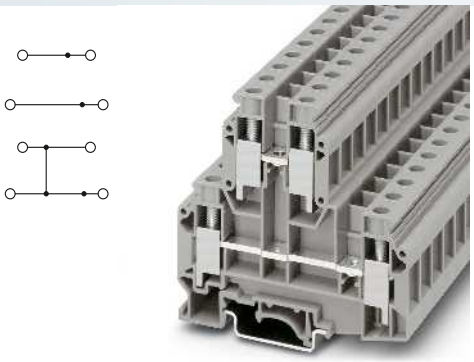
UKKB 10 ... double-level terminal blocks

– Can be bridged on both levels for all potential distribution tasks
– Design width of just 10.2 mm
– One of the special features of the UKKB 10/2,5 is that it allows two 2.5 mm² conductors to be connected in the upper level

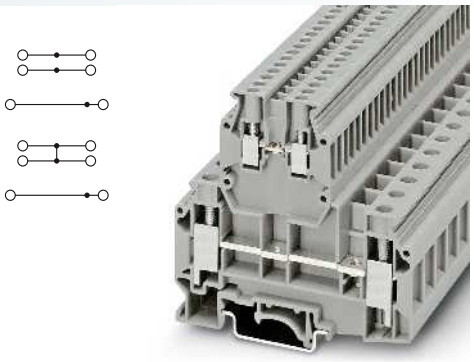
Notes:

UKKB 10-PV: 70 A / 500 V

[1]) The total current of all connected conductors must not exceed the max. load current.



10 (16) mm², 76 A, double-level terminal block



10 (16) mm², 76 A, double-level terminal block, upper level with 2 x 2.5 mm² feed-through terminal blocks

CCA

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**10.2**	**77.5**	**73**	
Dimensions	Width	Length	Height NS 32	
[mm]	**10.2**	**77.5**	**78**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	76	**500**	**0.5 - 16**	**20 - 6**
Rated data, lower level	IEC 60947-7-1			
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	300	-
Nominal current / cross section [A] / [mm²]	57 / 10	65 / -	65 / -	-
Rated cross section [mm²]	10	-	-	-
Cross section range AWG	20 - 6	24-6	24-6	-
Connection capacity, lower level	solid	stranded	Ferrule	
			Without / with plastic sleeve	
1 conductor [mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
Two conductors (of the same type) [mm²]	0.5 - 6	0.5 - 4	0.5 - 6	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 6
Rated data, upper level	IEC 60947-7-1			
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	300	-
Nominal current / cross section [A] / [mm²]	57 / 10	65 / -	65 / -	-
Rated cross section [mm²]	10	-	-	-
Cross section range AWG	20 - 6	24-6	24-6	-
Connection capacity, upper level	solid	stranded	Ferrule	
			Without / with plastic sleeve	
1 conductor [mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
Two conductors (of the same type) [mm²]	0.5 - 6	0.5 - 4	0.5 - 6	-
Two conductors with a TWIN ferrule [mm²]				0.5 - 6
General data				
Stripping length, lower / upper level [mm]	11 / 11			
Thread, lower / upper level	M4 / M4			
Tightening torque, lower / upper level [Nm]	1.5 - 1.8 / 1.5 - 1.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Technical data

Width	Length	Height NS 35/7,5		
10.2	**77.5**	**73**		
Width	Length	Height NS 32		
10.2	**77.5**	**78**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
76	**500**	**0.5 - 16**	**20 - 6**	
IEC 60947-7-1				
IEC	UL/CUL	CSA	IEC/ EN 60079-7	
500	600	300	-	
57 / 10	65 / -	65 / -	-	
10	-	-	-	
20 - 6	24-6	24-6	-	
solid	stranded	Ferrule		
		Without / with plastic sleeve		
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6	
0.5 - 6	0.5 - 4	0.5 - 6	-	
			0.5 - 6	
IEC 60947-7-1				
IEC	UL/CUL	CSA	IEC/ EN 60079-7	
500	600	300	-	
24 / 2.5	20 / -	20 / -	-	
10	-	-	-	
24 - 12	30-12	28-12	-	
solid	stranded	Ferrule		
		Without / with plastic sleeve		
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5	
0.2 - 1.5	0.2 - 1.5	0.25 - 1	-	
			0.5 - 1.5	
11 / 8				
M4 / M3				
1.5 - 1.8 / 0.6 - 0.8				
PA				
V0				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**UKKB 10**		**2772077**	50
Terminal block, with equipotential bonder, for mounting on NS 32 ... or NS 35...[1])		gray	**UKKB 10-PV**		**3003567**	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKKB 10/2,5		**2771007**	50
UKKB 10/2,5-PV		**2775485**	50

Accessories

Cover, width 1.5 mm		gray	**D-UKKB 10**	**3001394**	50
Fixed bridge, insulated	10	silver			
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws	10	silver	**FBI 10-10** 70 A	**0203276**	10
Chain bridge, with screw		silver	**KB- 10** 70 A	**0203205**	100
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10-10** 38 A	**0301521**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 10**	**1303337**	100
Screwdriver			**SZS 1,0X4,0 VDE**	**1205066**	10
Labeling for upper level			**ZB 10 (see Catalog 5)**		
Labeling for lower level			**ZB 10 (see Catalog 5)**		

Accessories

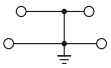
D-UKKB 10		**3001394**	50
FBRI 10-5 N	26 A	**2770642**	10
FBI 10-10	70 A	**0203276**	10
KB- 10	70 A	**0203205**	100
ISSBI 10-10	38 A	**0301521**	10
IS-K 10		**1303337**	100
SZS 1,0X4,0 VDE		**1205066**	10
ZB 5 (see Catalog 5)			
ZB 10 (see Catalog 5)			

UKK 5-PE and UKKB 5-PE double-level ground terminal blocks

- Same shape and pitch as the feed-through terminal blocks
- Even if fully wired, the level offset offers unobstructed access to the lower connection level
- Universal ground conductor foot for mounting on NS 35...- or NS 32... DIN rails (with the exception of NS 35/15−2,3)

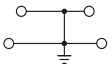
Notes:

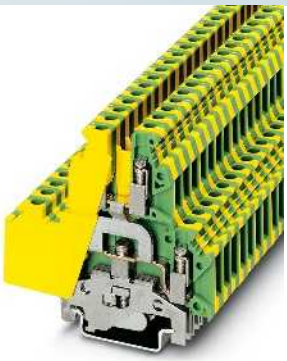
For current carrying capacity of DIN rails, see page 716.





4 (4) mm², double-level ground terminal block





4 (4) mm², double-level ground terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**56**	**62**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**56**	**67**	
Max. electrical data				max. Ø [mm²]	AWG
				0.2 - 4	**24 - 12**
Rated data		IEC 60947-7-2 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	- / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	26-10	28-10	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**67**	**62**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**67**	**67**	
Max. electrical data				max. Ø [mm²]	AWG
				0.2 - 4	**24 - 12**
Rated data		IEC 60947-7-2 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	-	- / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	26-10	28-10	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 32... or NS 35...	green-yellow	**UKK 5-PE**	**2774211**	50

Accessories

Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Lateral groove labeling	**ZB 6 (see Catalog 5)**		

Ordering data

Type	Order No.	Pcs. / Pkt.
UKKB 5-PE	**3007123**	50

Accessories

Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Lateral groove labeling	**ZB 6 (see Catalog 5)**		

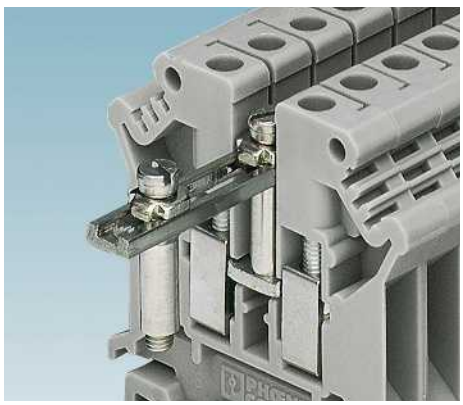
Cross-reference list: bridges

Type	Order No.	UK 2,5 N Page 493	UK 3 N Page 493	UK 5 N Page 493	UK 6 N Page 494	UK 10 N Page 495	UK 16 N Page 495	UK 35 N Page 495
Isolator bridge bar, in conjunction with bridge bar isolator								
ISSBI 10-5	3026256	■	■					
ISSBI 10-6	0301505			■				
ISSBI 10-8	0301534				■			
ISSBI 10-10	0301521					■		
Bridge bar isolator, in conjunction with isolator bridge bar								
IS-K 2,5	3026243	■	■					
IS-K 4	1302338			■				
IS-K 10	1303337				■	■		
Cross connection bar, in conjunction with distance piece								
FB 150	0201595	■	■	■				
Distance piece, in conjunction with cross connection bar								
ZS-6	0201605							
ZSR	2303608	■	■	■				
L-bridge, 10-pos.								
LB 10-6 GY	0202358			■				
LB 10-6 BU	0202280			■				
L-bridge, 100-pos.								
LB 100-6 GY	0202345			■				
LB 100-6 BU	0202303			■				
Chain bridge								
KB 6	0201472			■				
KB 8	0202206				■			
KB 10	0203205					■		
KB 15	0204259							■

ISSBI ... isolator bridge bar



FB ... cross connection bar

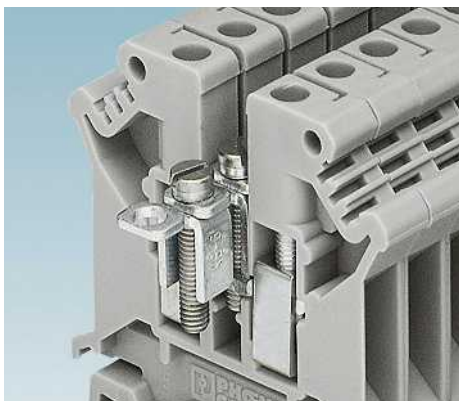


LB ... L-bridge



UK 3-TWIN Page 500	UK 5-TWIN Page 501	UK 10-TWIN Page 501	UDK 3 Page 504	UDK 4 Page 505	UKK 3 Page 506	UKKB 3 Page 506	UKK 5 Page 507	UKKB 5 Page 507	UKKB 10 Page 508
■			■		■	■			
	■			■			■	■	
		■							■
■			■		■	■			
	■			■			■	■	
		■							■
■	■		■	■			■	■	
	■			■			■	■	
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	■			■			■	■	
		■							■

KB ... chain bridge



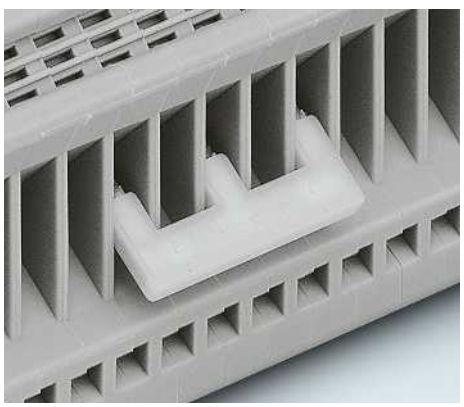
Cross-reference list: bridges

Type	Order No.	UK 2,5 N Page 493	UK 3 N Page 493	UK 5 N Page 493	UK 6 N Page 494	UK 10 N Page 495	UK 16 N Page 495	UK 35 N Page 495
Switching jumper across two terminal blocks								
USBR 2-7	2303239	■	■	■				
SB 2-8/13	0202235				■			
SB 2-10/15	0203234					■	■	
Switching jumper for bridged terminal groups								
USBRJ 2-7	2305538	■	■	■				
SBJ 2-8/13	0303286				■			
SBJ 2-10/15	0302287					■	■	
Star-delta bridge								
EB 3-6/ST	5020807			■				
EB 6-6/DR	5020255			■				
EB 3-8/ST	5020810				■			
EB 3-8/DR	5020768				■			
EB 3-10/ST	5020823					■		
EB 6-10/DR	5020771					■		
Step bracket								
STL 10N/5N	0204110			■		■		
Short-circuit plug								
KSS 5	2303543		■					
KSS 6	0301547			■				
KSS 3-6	0309523			■				
KSS 8	0311540				■			
KSS 10	0310541					■		

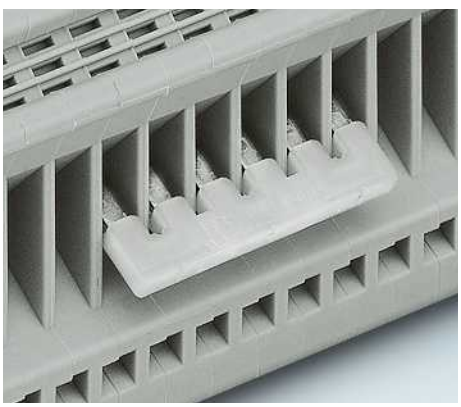
USBR ..., SB ... switching jumper



EB .../ST star bridge

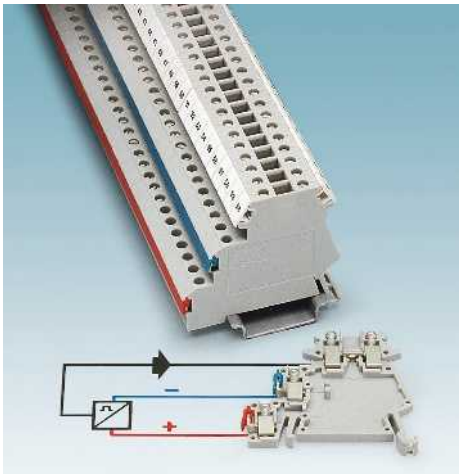


EB .../DR delta bridge



UK 3-TWIN Page 500	UK 5-TWIN Page 501	UK 10-TWIN Page 501	UDK 3 Page 504	UDK 4 Page 505	UKK 3 Page 506	UKKB 3 Page 506	UKK 5 Page 507	UKKB 5 Page 507	UKKB 10 Page 508

DIK 1,5 ... and DIKD 1,5 ... three-level and three-conductor initiator terminal blocks



The sensor and actuator conductors are wired in terminal boxes in order to reduce wiring costs. The positive and negative connections are grouped so that only the signal lines and one pair of conductors for the power supply need to be wired between the terminal box and the controller.

DIK 1,5

– The upper level accommodates the feed-through terminal blocks for the signal line which can be labeled
– The two bottom terminal points supply the initiator with potential
– The lower terminal points can be bridged using a divisible insertion bridge

DIKD 1,5

– The positive and negative potential can be fed into the insertion bridges via this power terminal block
– The first initiator can also be connected to this three-conductor feed-through terminal block

DIKD 1,5-PV

– Space-saving potential distributor terminal block
– Bridgeable upper level makes potential distribution over more than 6 terminal points possible
– The potential distributor terminal block is available with a gray, blue or black insulating housing for clear potential demarcation

Notes:

[1]) The total current of all connected conductors must not exceed the max. load current.





2.5 (4) mm², 26 A, three-conductor initiator terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**55**	**54.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		26	**250**	**0.2 - 4** / **24 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	30-14	28-14	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
Max. cross section with insertion bridge	[mm²]	4	2.5		
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**DIK 1,5**		**2715966**	50
		blue	**DIK 1,5 BU**		**2716059**	50
Terminal block, with three through contacts, for mounting on NS 35...		gray				
		blue				
Terminal block, with through contacts in the upper and middle levels, for mounting on NS 35...		gray				
Terminal block, with equipotential bonder, for mounting on NS 35...		gray				
		blue				
		black				

Accessories

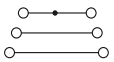
Fixed bridge, insulated					
	10	silver	**FBI 10- 6**	24 A	**0203250**	10
Insertion bridge, for middle and lower levels					
	10	blue	**EB 10- DIK BU**	24 A	**2716680**	10
	10	red	**EB 10- DIK RD**	24 A	**2716774**	10
	10	gray	**EB 10- DIK GY**	24 A	**2715937**	10
	80	blue	**EB 80- DIK BU**	24 A	**2715940**	1
	80	red	**EB 80- DIK RD**	24 A	**2715953**	1
	80	white	**EB 80- DIK WH**	24 A	**2715788**	1
Partition plate, 2 mm width		gray	**ATP-DIK 1,5**		**1413272**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10

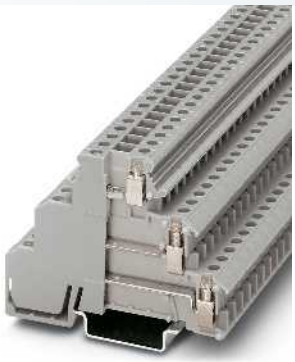
Marker strips, for middle and lower level

Labeling for upper level

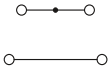
SK 6,2/3,8 (see Catalog 5)

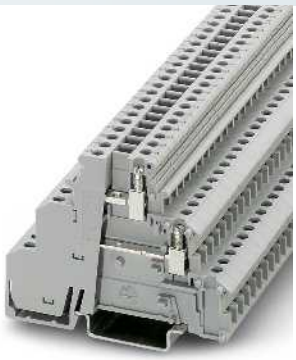
ZB 6 (see Catalog 5)



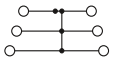


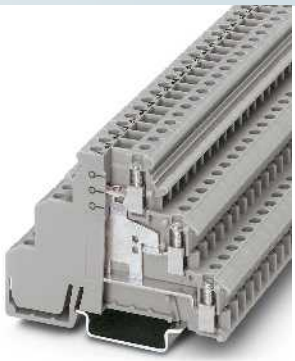
2.5 (4) mm², 30 A, three-level terminal block





2.5 (4) mm², 30 A, three-level terminal block with two feed-through levels





2.5 (4) mm², 32 A, three-level terminal block, internally connected levels

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**250**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
			0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DIKD 1,5		**2715979**	50
DIKD 1,5 BU		**2716101**	50

Accessories

FBI 10- 6	24 A	**0203250**	10
EB 10- DIK BU	24 A	**2716680**	10
EB 10- DIK RD	24 A	**2716774**	10
EB 10- DIK GY	24 A	**2715937**	10
EB 80- DIK BU	24 A	**2715940**	1
EB 80- DIK RD	24 A	**2715953**	1
EB 80- DIK WH	24 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**250**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	300	-	-
24 / 2.5	15 / -	-	-
2.5	-	-	-
24 - 12	30-14	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
			0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DIKD 1,5-2D		**2716512**	50

Accessories

FBI 10- 6	24 A	**0203250**	10
EB 10- DIK BU	24 A	**2716680**	10
EB 10- DIK RD	24 A	**2716774**	10
EB 10- DIK GY	24 A	**2715937**	10
EB 80- DIK BU	24 A	**2715940**	1
EB 80- DIK RD	24 A	**2715953**	1
EB 80- DIK WH	24 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32[1])	**250**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
			0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DIKD 1,5-PV		**2715092**	50
DIKD 1,5-PV BU		**2715584**	50
DIKD 1,5-PV BK		**2715571**	50

Accessories

FBI 10- 6	24 A	**0203250**	10
EB 10- DIK BU	24 A	**2716680**	10
EB 10- DIK RD	24 A	**2716774**	10
EB 10- DIK GY	24 A	**2715937**	10
EB 80- DIK BU	24 A	**2715940**	1
EB 80- DIK RD	24 A	**2715953**	1
EB 80- DIK WH	24 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

DIK 1,5 ... three-level and three-conductor initiator terminal blocks with light indicator

– Terminal blocks with light indicators in red and green are available for visual identification of the initiator and actuator wiring

Notes:
1) Current and voltage are determined by the plug used.
2) Light indicator: voltage 15-30 V DC, current 1-2.5 mA.
3) The corresponding accessories are documented, see page 544.





2.5 (4) mm², 26 A, three-conductor terminal block with light indicator





2.5 (4) mm², 26 A, three-conductor terminal block with light indicator

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**55**	**54.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		26	**250**	**0.2 - 4**	**24 - 12**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	30-14	28-14	-
Disconnect level rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	-	-	-	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
Max. cross section with insertion bridge	[mm²]	4	2.5		
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**55**	**54.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		26	**250**	**0.2 - 4**	**24 - 12**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	30-14	28-14	-
Disconnect level rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	-	-	-	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
Max. cross section with insertion bridge	[mm²]	4	2.5		
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with a red LED between the upper and middle level, for mounting on NS 35...2)		gray	**DIK 1,5-LA 24RD/O-M**		**2715856**	50
Green LED		gray	**DIK 1,5-LA 24GN/O-M**		**2715762**	50
Terminal block, with a red LED between the upper and lower level, for mounting on NS 35...2)		gray				
Green LED		gray				
Terminal block, with three through contacts and a red LED between the upper and middle level, for mounting on NS 35...2)		gray				
Green LED		gray				
Terminal block, with three through contacts and a red LED between the upper and lower level, for mounting on NS 35...2)		gray				
Green LED		gray				
Basic terminal block, for mounting on NS 35...3)		gray				

Ordering data

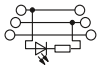
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
DIK 1,5-LA 24RD/U-O			**DIK 1,5-LA 24RD/U-O**		**2715995**	50
			DIK 1,5-LA 24GN/U-O		**2733**	50

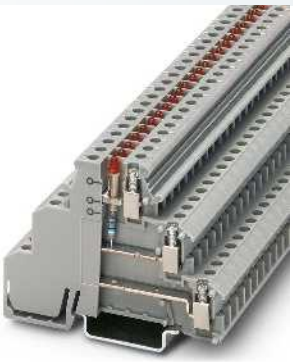
Accessories

Fixed bridge, insulated	10	silver	**FBI 10- 6**	24 A	**0203250**	10
Insertion bridge, for middle and lower levels						
	80	blue	**EB 80- DIK BU**	24 A	**2715940**	1
	80	red	**EB 80- DIK RD**	24 A	**2715953**	1
	80	white	**EB 80- DIK WH**	24 A	**2715788**	1
Partition plate, 2 mm width		gray	**ATP-DIK 1,5**		**1413272**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Marker Strips, for middle and lower level			**SK 6,2/3,8 (see Catalog 5)**			
Labeling for upper level			**ZB 6 (see Catalog 5)**			

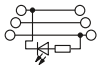
Accessories

FBI 10- 6	24 A	**0203250**	10			
EB 80- DIK BU	24 A	**2715940**	1			
EB 80- DIK RD	24 A	**2715953**	1			
EB 80- DIK WH	24 A	**2715788**	1			
ATP-DIK 1,5		**1413272**	50			
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10			
SK 6,2/3,8 (see Catalog 5)						
ZB 6 (see Catalog 5)						



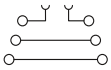


2.5 (4) mm², 30 A, three-level terminal block with LED





2.5 (4) mm², 30 A, three-level terminal block with LED





2.5 (4) mm², 30 A, three-level terminal block with disconnect zone

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**250**	**0.2 - 4**	**24 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
			0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DIKD 1,5-LA 24RD/O-M		**2715814**	50
DIKD 1,5-LA 24GN/O-M		**2716376**	50

Accessories

FBI 10- 6	24 A	**0203250**	10
EB 80- DIK BU	24 A	**2715940**	1
EB 80- DIK RD	24 A	**2715953**	1
EB 80- DIK WH	24 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**250**	**0.2 - 4**	**24 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
			0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DIKD 1,5-LA 24RD/U-O		**2716279**	50
DIKD 1,5-LA 24GN/U-O		**2716402**	50

Accessories

FBI 10- 6	24 A	**0203250**	10
EB 80- DIK BU	24 A	**2715940**	1
EB 80- DIK RD	24 A	**2715953**	1
EB 80- DIK WH	24 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30[1])	**250[1])**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250[1])	300	300	-
24[1]) / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16[1]) / 2.5	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
			0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DIKD 1,5-TG		**2774237**	50

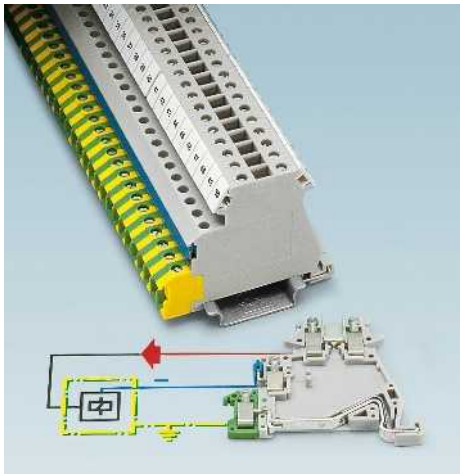
Accessories

EB 80- DIK BU	24 A	**2715940**	1
EB 80- DIK RD	24 A	**2715953**	1
EB 80- DIK WH	24 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

DOK 1,5... three-level and three-conductor actuator terminal blocks with PE foot



- Same shape as the DIK ... three-level initiator terminal blocks
- The upper level accommodates the feed-through terminal blocks for the signal line which can be labeled
- The middle level supplies the connected actuators with voltage
- Unlike the DIK terminal blocks, the lower level of these output terminal blocks makes direct contact with the DIN rail and as a PE connection they are marked green-yellow
- Convenient bridging of up to 80 terminal blocks with divisible insertion bridges
- The forks of the insertion bridge can be easily loosened for jumping bridging
- Alternate wiring of an actuator followed by an initiator is easy
- Because the spine of the insertion bridge can be snapped into place with the terminal block housing, all the terminal points can be wired freely and the bridge can be securely positioned
- Terminal blocks with light indicators in red and green are available for optical identification of the initiator and actuator wiring
- The DOKD 1,5-TG component terminal block can accommodate the fuse plug or the isolating plug

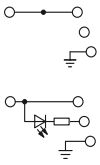
Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) Current and voltage are determined by the plug used.

[2]) Light indicator: Voltage 15-30 V DC, current 1-2.5 mA.

[3]) The corresponding accessories are documented, see page 544.





2.5 (4) mm², 26 A, three-conductor actuator terminal block with PE foot

Technical data

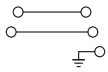
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**61.5**	**54.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		26	**250**	**0.2 - 4** / **24 - 12**
Rated data		IEC 60947-7-1 / IEC 60947-7-2		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	250	300	300 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	24 - 12	30-14	28-14 / -
Disconnect level rated data		IEC	UL/CUL	CSA / IEC/EN 60079-7
Nominal current / cross section	[A] / [mm²]	-	-	- / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5 / 0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1 / -
Two stranded conductors with a TWIN ferrule	[mm²]			- / 0.5 - 1
Max. cross section with insertion bridge	[mm²]	4	2.5	
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**DOK 1,5**		**2717016**	50
Terminal block, with **red (RD)** LED between the upper and middle levels, for mounting on NS 35...[2])		gray	**DOK 1,5-LA 24RD/O-M**		**2717029**	50
Terminal block, with **green (GN)** LED between the upper and middle levels, for mounting on NS 35...[2])		gray	**DOK 1,5-LA 24GN/O-M**		**2717074**	50
Terminal block, with through contacts in the upper and lower levels, for mounting on NS 35...		gray				
Basic terminal block, for mounting on NS 35...[3])		gray				

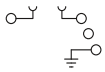
Accessories

Insertion bridge, for middle and lower levels, fully insulated						
	10	gray	**EB 10- DIK GY**	26 A	**2715937**	10
	10	red	**EB 10- DIK RD**	26 A	**2716774**	10
	10	blue	**EB 10- DIK BU**	26 A	**2716680**	10
	80	blue	**EB 80- DIK BU**	26 A	**2715940**	1
	80	red	**EB 80- DIK RD**	26 A	**2715953**	1
	80	white	**EB 80- DIK WH**	26 A	**2715788**	1
Fixed bridge, insulated						
	10	silver	**FBI 10- 6**	26 A	**0203250**	10
Partition plate, 2 mm width		gray	**ATP-DIK 1,5**		**1413272**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Marker strips, for middle and lower level			**SK 6,2/3,8 (see Catalog 5)**			
Labeling for upper level			**ZB 6 (see Catalog 5)**			



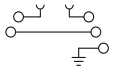


2.5 (4) mm², 26 A, three-level terminal block with PE foot





2.5 (4) mm², 16 A, three-conductor actuator terminal block with disconnect zone and PE foot





2.5 (4) mm², 26 A, three-level terminal block with disconnect zone and PE foot

Technical data

Width	Length	Height NS 35/7,5	
6.2	**62.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26	**250**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	- 0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DOK 1,5-2D		**2717139**	50

Accessories

EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**61**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
16[1])	**250[1])**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250[1])	300	300	-
16[1]) / 1.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16[1])	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	- 0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DOK 1,5-TG		**2717113**	50

Accessories

EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
ATP-DIK 1,5		**1413272**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**63**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26[1])	**250[1])**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250[1])	300	300	-
24[1]) / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16[1])	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	- 0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DOKD 1,5-TG		**3011054**	50

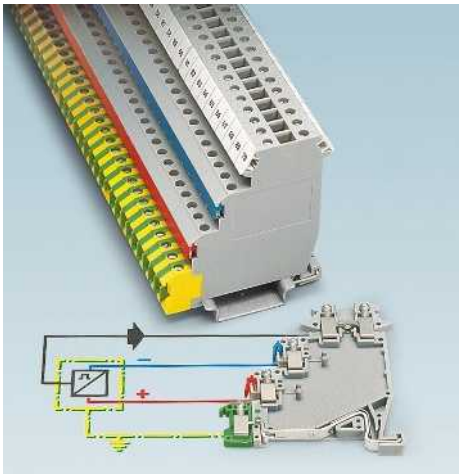
Accessories

EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

VIOK 1,5... four-conductor initiator and actuator terminal blocks



VIOK 1,5

– This terminal block is a combination of a DIK ... and DOK ... terminal block where just one terminal block can be used for initiators and actuators
– The upper level accommodates the feed-through Terminal blocks for the signal line which can be labeled
– The two middle terminal points supply potential to the initiator
– The PE connection can be found in the lower level

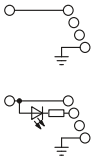
VIOK 1,5-2D

– This terminal block has two feed-through levels and two busbar levels
– It is used for programmable or self-monitoring initiators which are additionally controlled via the second feed-through level

VIOK 1,5-D/TG/D/PE

– Here a plug division is integrated in the second level from above. Therefore, the positive potential of the initiator can be transmitted via a fuse plug or – for maintenance and test purposes – via an isolating plug

Notes:
For current carrying capacity of DIN rails, see page 716.
1) Current and voltage are determined by the plug used.
2) When using EB insertion bridges, the nominal voltage is reduced to 250 V.
3) The corresponding accessories are documented, see page 544.





2.5 (4) mm², 26 A, four-conductor actuator terminal block with PE foot

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**62.5**	**70**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		26	**250**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 / IEC 60947-7-2			
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	30-14	28-14	-
Disconnect level rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	-	-	-	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
Max. cross section with insertion bridge	[mm²]	4	2.5		
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

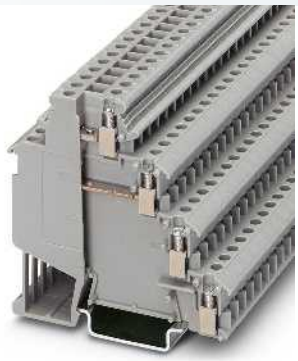
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**VIOK 1,5**		**2718015**	50
Terminal block, with **red (RD)** LED between the upper level and the level below it, for mounting on NS 35...		gray	**VIOK 1,5-LA 24RD/O-MO**		**2718028**	50
Terminal block, with **green (GN)** LED between the upper level and the level below it, for mounting on NS 35...		gray	**VIOK 1,5-LA 24GN/O-MO**		**2718112**	50
Terminal block, with two through contacts, for mounting on NS 35...		gray				
Terminal block, with three through contacts, for mounting on NS 35...		gray				
Basic terminal block, with two through contacts, for mounting on NS 35...3)		gray				

Accessories

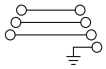
Insertion bridge, for middle and lower levels, fully insulated						
	10	gray	**EB 10- DIK GY**	26 A	**2715937**	10
	10	red	**EB 10- DIK RD**	26 A	**2716774**	10
	10	blue	**EB 10- DIK BU**	26 A	**2716680**	10
	80	blue	**EB 80- DIK BU**	26 A	**2715940**	1
	80	red	**EB 80- DIK RD**	26 A	**2715953**	1
	80	white	**EB 80- DIK WH**	26 A	**2715788**	1
Fixed bridge, insulated						
	10	silver	**FBI 10- 6**	26 A	**0203250**	10
Partition plate, 2 mm width		gray	**ATP-DIK 1,5**		**1413272**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10

Marker Strips, for middle and lower level	**SK 6,2/3,8 (see Catalog 5)**
Labeling for middle levels	
Labeling for upper level	**ZB 6 (see Catalog 5)**





2.5 (4) mm², 26 A, four-conductor terminal block, both upper levels as feed-through levels





2.5 (4) mm², 26 A, four-level terminal block with PE foot





2.5 (4) mm², 24 A, four-level terminal block with PE foot, disconnect zone in third level

Technical data

Width	Length	Height NS 35/7,5	
6.2	**73**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26	**250**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	- 0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
VIOK 1,5-2D		**2718196**	50

Accessories

EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
FBI 10- 6	26 A	**0203250**	10
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**82.5**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26	**400²)**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400²)	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	- 0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
VIOK 1,5-3D/PE		**2718206**	50

Accessories

EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
FBI 10- 6	26 A	**0203250**	10
ATP-DIK 1,5		**1413272**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**91.5**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24¹)	**250¹)**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250¹)	300	300	-
24¹) / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16 / 1.5	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	- 0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
VIOK 1,5-D/TG/D/PE		**3011067**	50

Accessories

EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
ATP-DIKD 1,5		**1413285**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

SK 6,2/3,8 (see Catalog 5)

ZBF 6 (see Catalog 5)
ZB 6 (see Catalog 5)

SLKK ... and DLK ... three and four-level terminal blocks with PE foot



SLKK 5... three-level terminal blocks

– With two laterally offset feed-through levels and ground connection to the DIN rail which acts as a grounding busbar
– This allows space-saving and systematic wiring of 3-wire cables
– This is of advantage for controllers with external actuators, solenoid valves, and limit switches
– The SLKK 5-LA...U-O with integrated light indicator optically indicates the voltage condition of the lower feed-through level
– The FBI 10-6 fixed bridge is used on the upper level to connect the return lines for the light indicators and the external loads to form a common busbar

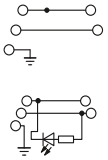
DLK ... four-level terminal blocks

– The DLK 2,5-PE and DLKB 2,5-PE three-conductor terminal blocks are particularly suitable for wiring three-phase current loads due to their structure with three feed-through levels plus a PE connection
– To reduce the amount of wire used, the DLKB 2,5-PE can also be bridged in the middle and lower levels using EB...-DIK insertion bridges with up to 80 positions

Notes:

For current carrying capacity of DIN rails, see page 716.

[1]) The voltage is determined by the light indicator (only for SLKK 5-LA...)





4 (4) mm², 34 A, three-level terminal block with PE foot

Technical data

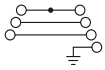
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**66.5**	**69.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		34	**500[1])**	**0.2 - 4** / **24 - 10**
Rated data		IEC 60947-7-1 / IEC 60947-7-2		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500[1])	600	600 / -
Nominal current / cross section	[A] / [mm²]	34 / 4	30 / -	25 / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 10	26-10	28-12 / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4 / 0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	4	2.5	
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

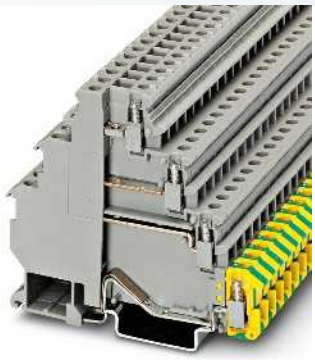
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Double-level terminal block, with protective conductor foot, for mounting on NS 35...		gray	**SLKK 5**		**0461018**	50
Double-level terminal block, with protective conductor foot, for mounting on NS 35..., with light indicator for 15-30 V AC/DC		gray	**SLKK 5-LA 24 RD/U-O**		**0461021**	50
With LED for 30-60 V AC/DC		gray	**SLKK 5-LA 60 RD/U-O**		**0461034**	50
With LED for 110-230 V AC/DC		gray	**SLKK 5-LA230**		**0461047**	50
Four-conductor terminal block, for mounting on NS 35...		gray				

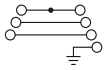
Accessories

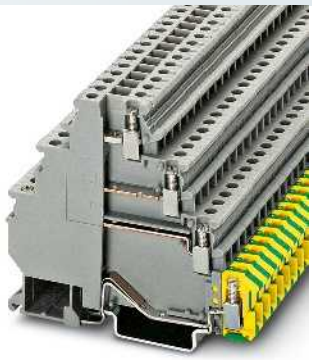
Cover, width 2.5 mm		gray	**D-UKK 3/5**		**2770024**	50
Spacer cover, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		gray	**DG-UKK 3/5**		**2770817**	50
Insertion bridge, for middle and lower levels, fully insulated						
	10	gray				
	10	red				
	10	blue				
	80	blue				
	80	red				
	80	white				
Insertion bridge, insulated						
	2	gray	**EB 2- 6**	26 A	**0201155**	100
	3	gray	**EB 3- 6**	26 A	**0201142**	100
	10	gray	**EB 10- 6**	26 A	**0201139**	10
Fixed bridge, insulated						
	10	silver	**FBI 10- 6**	32 A	**0203250**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**ZB 6 (see Catalog 5)**			



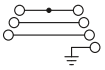


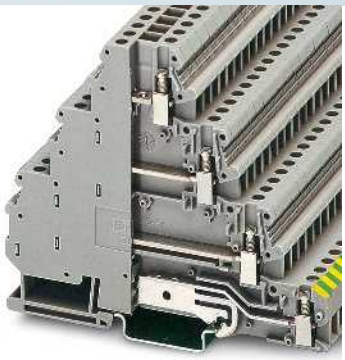
2.5 (4) mm², 26 A, four-level terminal block with PE foot





2.5 (4) mm², 26 A, four-level terminal block with PE foot





4 (6) mm², 34 A, four-level terminal block with PE foot

Technical data

Width	Length	Height NS 35/7,5	
6.2	**83.5**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
			0.5 - 1
4	2.5		
8			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DLKB 2,5-PE		**3011038**	50

Accessories

EB 10- DIK GY	26 A	**2715937**	10
EB 10- DIK RD	26 A	**2716774**	10
EB 10- DIK BU	26 A	**2716680**	10
EB 80- DIK BU	26 A	**2715940**	1
EB 80- DIK RD	26 A	**2715953**	1
EB 80- DIK WH	26 A	**2715788**	1
FBI 10- 6	26 A	**0203250**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**83**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-12	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
			0.5 - 1
8			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DLK 2,5-PE		**3011041**	50

Accessories

FBI 10- 6	26 A	**0203250**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**103.5**	**86.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
34	**400**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	600	-	-
32 / 4	30 / -	-	-
4	-	-	-
24 - 10	30-10	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 1.5
8			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
DLK 4-PE		**3011999**	50

Accessories

FBI 10- 6	30 A	**0203250**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

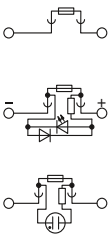
UK ...−HESI...N fuse/lever-type disconnect terminal blocks

– Compact, space-saving design
– Universal disconnect zone

Notes:

1) If the fuse is faulty, the downstream circuit is not off load.

2) The current is determined by the fuse used, the voltage by the light indicator. Observe max. power dissipation.





4 (6) mm², 6.3 A, lever-type fuse terminal block, for 5 x 20 mm cartridge fuses

Technical data

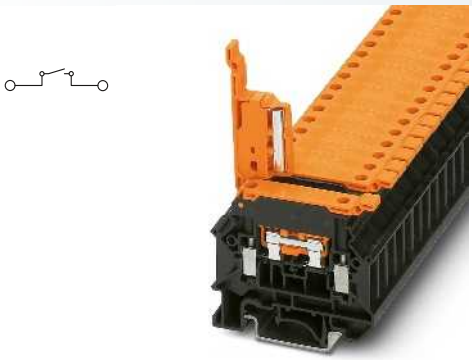
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**8.2**	**58**	**50**
Dimensions		Width	Length	Height NS 32
	[mm]	**8.2**	**58**	**58**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG
		6.3²)	**500²)**	**0.2 - 6** **24 - 10**
Rated data		IEC 60947-7-3 IEC	UL/CUL	CSA IEC/ EN 60079-7
Rated voltage	[V]	500²)	-	- -
Nominal current / cross section	[A] / [mm²]	6.3²) / 1.5	- / -	- -
Rated cross section	[mm²]	4	-	- -
Cross section range	AWG	24 - 10	-	- -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4 0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 -
Two stranded conductors with a TWIN ferrule	[mm²]			0.5 - 2.5
Max. cross section with insertion bridge	[mm²]	4	4	
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

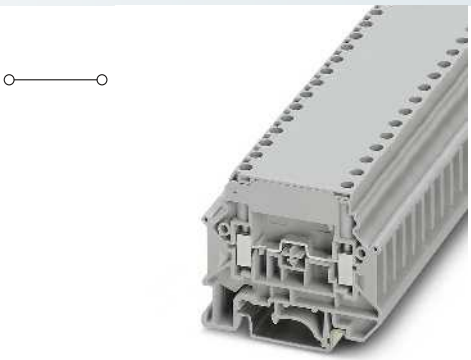
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35..., for 5 x 20 cartridge fuse inserts		black	**UK 5-HESI N**		**3000539**	50
With LED for 12 - 30 V AC/DC, 0.7 - 1.95 mA¹)		black	**UK 5-HESILED 24 N**		**3000540**	50
With LED for 30 - 60 V AC/DC, 0.9 - 1.8 mA¹)		black	**UK 5-HESILED 60 N**		**3000541**	50
With light indicator for 110-250 V AC/DC, 0.1-0.5 mA¹)		black	**UK 5-HESILA 250 N**		**3000542**	50
Lever-type disconnect terminal block, same shape as UK 5-HESI N		black/orange gray/orange				
Feed-through terminal block, for mounting on NS 35...		gray				

Accessories

Cover, width 2.2 mm		black	**D-UK 5-HESI N**		**3000543**	50
Insertion bridge, divisible, fully insulated						
	2	gray	**EBS 2- 8**	14 A	**3118151**	100
	3	gray	**EBS 3- 8**	14 A	**3118148**	50
	10	gray	**EBS 10- 8**	14 A	**3118135**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**			



4 (6) mm², 16 A, lever-type disconnect terminal block, same shape



4 (6) mm², 32 A, feed-through terminal block, same shape

Technical data

Width	Length	Height NS 35/7,5	
8.2	**58**	**57.5**	
Width	Length	Height NS 32	
8.2	**58**	**50**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
16	**500**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	-	-	-
16 / 1.5	- / -	-	-
4	-	-	-
24 - 10	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 2.5
4	4		
8			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 5-HEDI N		**3000564**	50
UK 5-HEDI N GY		**3000752**	50

Accessories

D-UK 5-HESI N		**3000543**	50
EBS 2- 8	14 A	**3118151**	100
EBS 3- 8	14 A	**3118148**	50
EBS 10- 8	14 A	**3118135**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**58**	**40.3**	
Width	Length	Height NS 32	
8.2	**58**	**52.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**800**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	-	-
32 / 4	30 / -	-	-
4	-	-	-
24 - 10	20-10	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 2.5
4	4		
8			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 5-MTD N		**3000562**	50

Accessories

D-UK 5-HESI N		**3000543**	50
EBS 2- 8	30 A	**3118151**	100
EBS 3- 8	30 A	**3118148**	50
EBS 10- 8	30 A	**3118135**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

UKK ...-HESI lever-type fuse terminal blocks



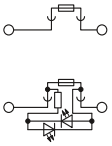
- Safety lever locked in end position
- Large area for labeling
- For 5 mm and 6.3 mm cartridge fuse inserts
- Versions with light indicator

Notes:

For further technical notes on power dissipation, see page 724

[1]) If the fuse is faulty, the downstream circuit is not off load.

[2]) The current is determined by the fuse used, the voltage by the light indicator. Observe max. power dissipation.





4 (4) mm², 6.3 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		8.2	**72.5**	**56.5**
Dimensions				
	[mm]	Width	Length	Height NS 32
		8.2	**72.5**	**61.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		6.3[2]) / 500[2])		**0.2 - 4 / 24 - 12**
Rated data		IEC 60947-7-3		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500[2])	600	600 / -
Nominal current / cross section	[A] / [mm²]	6.3[2]) / 1	12 / -	6.3 / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 12	26-10	28-10 / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4 / 0.25 - 4
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			- / 0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	4	4	
General data				
Fuse type / dimensions	– / [mm]	G / 5 x 20 / 5 x 25 / 5 x 30		
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V2		

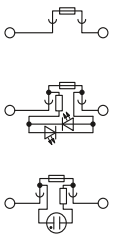
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 5 x 25 and 5 x 30 mm		black	**UK 5-HESI**		**3004100**	50
With LED for 12-30 V AC/DC		black	**UK 5-HESILED 24**		**3004126**	50
With LED for 110-250 V AC/DC[1])		black	**UK 5-HESILA 250**		**3004142**	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 6.3 x 32 mm.		black				
With LED for 12-30 V AC/DC[1])		black				
With LED for 110-250 V AC/DC[1])		black				

Accessories

Insertion bridge, divisible, fully insulated					
	2	gray	**EBS 2- 8**	32 A	**3118151**	100
	3	gray	**EBS 3- 8**	32 A	**3118148**	50
	10	gray	**EBS 10- 8**	32 A	**3118135**	10
Connection pin, for coupling several fuse terminal blocks, made of plastic, 1 m long		gray	**VS**		**3004207**	1
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10

Lateral groove labeling **Lever labeling**	**ZB 8 (see Catalog 5)**





16 (16) mm², 10 A, lever-type fuse terminal block for 6.3 x 32 mm cartridge fuses

Technical data

Width	Length	Height NS 35/7,5	
10.2	**79**	**60.5**	
Width	Length	Height NS 32	
10.2	**79**	**65**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
10²)	**500²)**	**0.5 - 16**	**20 - 6**
IEC 60947-7-3			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500²)	600	600	-
10²) / 1.5	10 / -	25 / -	-
16	-	-	-
20 - 6	26-8	26-8	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 4	- 0.5 - 6
10	10		
G / 6,3 x 32			
12			
M4			
1.2 - 1.5			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 6,3-HESI		**3004171**	50
UK 6,3-HESILED 24		**3004265**	50
UK 6,3-HESILA 250		**3004249**	50

Accessories

EB 2-10	63 A	**0203153**	100
VS		**3004207**	1
SZS 1,0X4,0 VDE		**1205066**	10

ZB 10 (see Catalog 5)
ZB 8 (see Catalog 5)

UKK ...-HESI double-level fuse terminal blocks

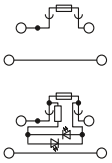
- Compact double-level fuse terminal block
- Safety levers and each terminal point can be individually labeled
- For 5 mm and 6.3 mm cartridge fuse inserts
- Versions with light indicator

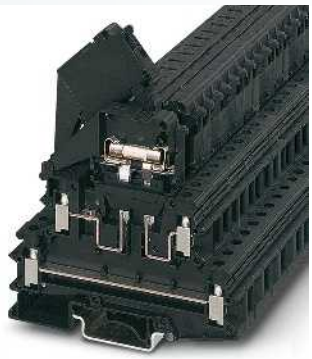
Notes:

For further technical notes on power dissipation, see page 724.

1) If the fuse is faulty, the downstream circuit is not off load.

2) The current is determined by the fuse used, the voltage by the light indicator. Observe max. power dissipation.





4 (4) mm², 32 A, double-level terminal block with fuse lever for 5 x 20 mm cartridge fuse

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**8.2**	**86.5**	**79**	
Dimensions	Width	Length	Height NS 32	
[mm]	**8.2**	**86.5**	**84**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	32 2)	**400 2)**	**0.2 - 4**	**24 - 12**
Rated data, lower level	IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400 2)	600	300	-
Nominal current / cross section [A] / [mm²]	32 2) / 4	30 / -	15	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 12	26-10	28-10	-
Rated data, upper level	IEC 60947-7-3 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400 2)	600	300	-
Nominal current / cross section [A] / [mm²]	6.3 2) / 1	15 / -	15	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 12	26-10	28-10	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
Two conductors (of the same type) [mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 1.5
Max. cross section with insertion bridge [mm²]	4	2.5		
General data				
Fuse type / dimensions – / [mm]	G / 5 x 20			
Stripping length [mm]	8			
Screw thread	M3			
Tightening torque [Nm]	0.5 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

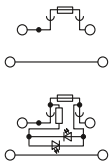
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20 mm.		black	**UKK 5-HESI (5X20)**		**3007204**	50
With LED for 15-30 V AC/DC, 0.98-2.4 mA 1)		black	**UKK 5-HESILED 24 (5X20)**		**3026654**	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 6.3 x 32 mm.		black				
With LED for 12-30 V DC, 0.31-0.95 mA 1)		black				

Accessories

Fixed bridge, insulated	10	silver	**FBRI 10-8 N**	32 A	**2772080**	10
Insertion bridge, divisible, fully insulated	2	gray	**EBS 2- 8**	32 A	**3118151**	100
	3	gray	**EBS 3- 8**	32 A	**3118148**	50
	10	gray	**EBS 10- 8**	32 A	**3118135**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10

Lateral groove labeling	**ZB 8 (see Catalog 5)**
Lever labeling	**ZBF 8 (see Catalog 5)**





4 (4) mm², 32 A, double-level terminal block with fuse lever for 6.3 x 32 mm cartridge fuse

Technical data

Width	Length	Height NS 35/7,5	
8.2	**86.5**	**79**	
Width	Length	Height NS 32	
8.2	**86.5**	**84**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32²)	**400²)**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400²)	600	300	-
32²) / 4	30 / -	15	-
4	-	-	-
24 - 12	26-10	28-10	-
IEC 60947-7-3			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400²)	600	300	-
10²) / 1.5	15 / -	15	-
4	-	-	-
24 - 12	26-10	28-10	-
solid	stranded	Ferrule	Without / with plastic sleeve
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1.5
4	2.5		
G / 6,3 x 32			
8			
M3			
0.5 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKK 5-HESI (6,3X32)		**3007217**	50
UKK 5-HESILED 24 (6,3X32)		**0711632**	50

Accessories

FBRI 10-8 N	32 A	**2772080**	10
EBS 2- 8	32 A	**3118151**	100
EBS 3- 8	32 A	**3118148**	50
EBS 10- 8	32 A	**3118135**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 8 (see Catalog 5)
ZBF 8 (see Catalog 5)

UK 10-DREHSI fuse terminal blocks with screw cap

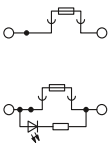
– Bridgeable with FBI ... fixed bridge
– Fuse terminal block with screw cap for 5 x 20, 5 x 25 or 6.3 x 32 mm fuse inserts
– Versions with light indicator for indicating that a fuse has blown
– When selecting and using cartridge fuse terminal inserts, IEC 60127-6/ DIN EN 60127-6 should be observed
– UK 10-DREHSI/K is suitable for fuse inserts with indicator pins. The transparent screen on the screw cap allows the blown fuse to be quickly identified in these inserts.

Notes:

For further technical notes on power dissipation, see page 724.

[1]) If the fuse is faulty, the downstream circuit is not off load.

[2]) The current is determined by the fuse used, the voltage by the light indicator. Observe max. power dissipation.





16 (16) mm², 10 A, fuse terminal block for 5 x 20 mm cartridge fuses

Technical data

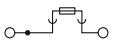
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**12**	**62**	**57.2**
Dimensions		Width	Length	Height NS 32
	[mm]	**12**	**62**	**62.1**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		10[2])	**500[2])**	**0.5 - 16 / 20 - 6**
Rated data		IEC 60947-7-3 IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500[2])	300	300 / -
Nominal current / cross section	[A] / [mm²]	10[2]) / 1.5	20 / -	20 / - / -
Rated cross section	[mm²]	16	-	- / -
Cross section range	AWG	20 - 6	24-6	22-6 / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.5 - 16	0.5 - 16	0.5 - 10 / 0.5 - 10
Two conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 4 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 10
Max. cross section with insertion bridge	[mm²]	10	10	
General data				
Fuse type / dimensions	– / [mm]	G / 5 x 20		
Stripping length	[mm]	11		
Screw thread		M4		
Tightening torque	[Nm]	1.5 - 1.8		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 5 x 25, 6.3 x 32 mm		black	**UK 10-DREHSI (5X20)**		**3005109**	50
.../K with indicator pin		black				
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with light indicator for 5 - 15 V DC[1])		black	**UK 10-DREHSILED 12 (5X20)**		**3005112**	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with light indicator for 15 - 30 V DC[1])		black	**UK 10-DREHSILED 24 (5X20)**		**3005138**	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with light indicator for 30 - 60 V DC[1])		black	**UK 10-DREHSILED 60 (5X20)**		**3005154**	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with light indicator for 110 - 250 V DC[1])		black	**UK 10-DREHSILA 250 (5X20)**		**3005170**	50

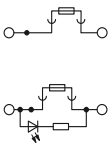
Accessories

Fixed bridge, insulated	10	silver	**FBI 10-12**	63 A	**0203454**	10
Insertion bridge, fully insulated	10	gray	**EB 10-12**	63 A	**3006137**	10
Test socket, for test connection with PS test plug		silver	**PSB 4/7/6**		**0303299**	10
Test socket, insulated, for UK 6 N, UK 10 N and URTK/SP and USST 10 terminal blocks, M4 thread		transparent	**PSBJ 4/15/6 FARBLOS**		**0303419**	10
Screwdriver			**SZS 1,0X4,0 VDE**		**1205066**	10
Lateral groove labeling			**ZB 6 (see Catalog 5)**			





16 (16) mm², 10 A, fuse terminal block for 5 x 25 mm cartridge fuses with indicating pin





16 (16) mm², 10 A, fuse terminal block for 6.3 x 32 mm cartridge fuses

Technical data

Width	Length	Height NS 35/7,5	
12	**62**	**57.2**	
Width	Length	Height NS 32	
12	**62**	**62.1**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
10[2])	**500[2])**	**0.5 - 16**	**20 - 6**
IEC 60947-7-3			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500[2])	300	-	-
10[2]) / 1.5	20 / -	-	-
16	-	-	-
20 - 6	24-6	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 4	-
			0.5 - 10
10	10		
G / 5 x 25			
11			
M4			
1.5 - 1.8			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 10-DREHSI/K (5X25)		**3005688**	50
UK 10-DREHSILED 24 (6,3X32)		**3005646**	50
UK 10-DREHSILA 250 (6,3X32)		**3005662**	50

Accessories

FBI 10-12	63 A	**0203454**	10
EB 10-12	63 A	**3006137**	10
PSB 4/7/6		**0303299**	10
PSBJ 4/15/6 FARBLOS		**0303419**	10
SZS 1,0X4,0 VDE		**1205066**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
12	**62**	**57.2**	
Width	Length	Height NS 32	
12	**62**	**62.1**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
10[2])	**400[2])**	**0.5 - 16**	**20 - 6**
IEC 60947-7-3			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[2])	300	300	-
10[2]) / 1.5	20 / -	20 / -	-
16	-	-	-
20 - 6	24-6	22-6	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 4	-
			0.5 - 10
10	10		
G / 6,3 x 32			
11			
M4			
1.5 - 1.8			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 10-DREHSI (6,3X32)		**3005507**	50

Accessories

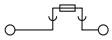
FBI 10-12	63 A	**0203454**	10
PSB 4/7/6		**0303299**	10
PSBJ 4/15/6 FARBLOS		**0303419**	10
SZS 1,0X4,0 VDE		**1205066**	10

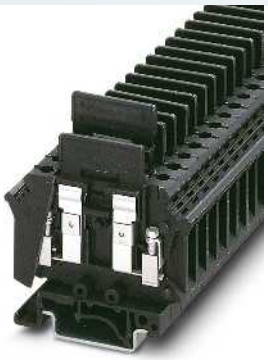
ZB 6 (see Catalog 5)

UK-SI and USIG fuse terminal blocks

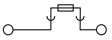
– In the case of the UK-SI fuse terminal block, the cartridge fuse inserts are connected with the integrated plug in the terminal block

Notes:
For further technical notes on power dissipation, see page 724.
Note: The cartridge fuse holders should be selected according to the maximum power dissipation (self-heating) of the cartridge fuse inserts.
For more insertion bridges, visit www.phoenixcontact.net/products
1) If the fuse is faulty, the downstream circuit is not off load.
2) The current and voltage are determined by the fuse.





4 (4) mm², 6.3 A, fuse terminal block for 5 x 20 mm and 5 x 25 mm cartridge fuses





16 (16) mm², 40 A, basic fuse terminal block for cartridge fuse plugs or isolating plugs

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**8.2**	**59.5**	**58**	
Dimensions	Width	Length	Height NS 32	
[mm]	**8.2**	**59.5**	**63**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	6.3²)	**400²)**	**0.2 - 4**	**24 - 12**
Rated data	IEC 60947-7-3 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400²)	300	250	-
Nominal current / cross section [A] / [mm²]	6.3²) / 1	10 / -	10 / -	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 12	28-12	24-14	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
Two conductors (of the same type) [mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 2.5
General data				
Fuse type / dimensions – / [mm]	G / 5 x 20 / 5 x 25			
Stripping length [mm]	9			
Screw thread	M3			
Tightening torque [Nm]	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Technical data

Width	Length	Height NS 35/7,5		
10.2	**61**	**51.6**		
Width	Length	Height NS 32		
10.2	**61**	**59.1**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
40²)	**500²)**	**0.5 - 16**	**20 - 6**	
IEC 60947-7-3 IEC	UL/CUL	CSA	IEC/ EN 60079-7	
500²)	600	600	-	
10²) / 1.5	40 / -	40 / -	-	
16	-	-	-	
20 - 6	18-8	24-8	-	
solid	stranded	Ferrule Without / with plastic sleeve		
0.5 - 16	0.5 - 16	0.5 - 16	0.5 - 10	
0.5 - 4	0.5 - 6	0.5 - 6	-	
			0.5 - 6	
G / 5 x 20 / 5 x 25 / 5 x 30 / 6.3 x 32				
13				
M4				
1.5 - 1.8				
PA				
V2				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 5 x 25 mm		black	**UK-SI**		**3118012**	50
		blue	**UK-SI BU**		**3118096**	50
Basic fuse terminal block, for mounting on NS 32... or NS 35...		black				
		blue				

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
USIG		**0920083**	50
USIG BU		**0920122**	50

Accessories

Insertion bridge, insulated	10	gray	**EBS 10- 8**	32 A	**3118135**	10
Isolating plug						
Fuse plug, for cartridge fuse inserts, 6.3 x 32 mm, nominal voltage 440 V		black				
Fuse plug, with light indicator, for cartridge fuse inserts 6.3 x 32 mm, nominal voltage 440 V¹)						
for 15 - 30 V AC/DC, 3.2 - 7.5 mA		black				
for 110 - 250 V AC/DC, 0.1 - 0.9 mA		black				
Fuse plug, for cartridge fuse inserts 5 x 20, 5 x 25, 5 x 30 mm		black				
Fuse plug, for cartridge fuse inserts 5 x 20, 5 x 25, 5 x 30 mm, with light indicator for 15 - 30 V AC/DC, 3.2 - 7.5 mA, $I_{max.}$ 6,3 A¹)		black				
for 110 - 250 V AC/DC, 0.1 - 0.9 mA, $I_{max.}$ 6.3 A		black				
Separating disk, 0.8 mm wide		gray				
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**ZB 8 (see Catalog 5)**			

Accessories

EB 10-10	76 A	**0203137**	10	
ST-T	40 A	**0920216**	50	
ST 1-SI	10 A	**0920326**	50	
ST 1-SILED 24	10 A	**0920384**	50	
ST 1-SILA 250	10 A	**0920397**	50	
ST-SI	6.3 A	**0920229**	50	
ST-SILED 24		**0920452**	50	
ST-SILA250		**0920287**	50	
ATS-GSK		**0304227**	50	
SZS 1,0X4,0 VDE		**1205066**	10	
ZB 10 (see Catalog 5)				

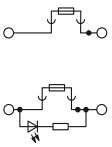
UK 6-FSI/C fuse terminal block, for type C flat-type fuses



- Compact fuse terminal block for type C auto flat-type fuses
- Available with light indicator for rapid error diagnostics.
- Bridgeable with FBI ... fixed bridge
- Large labeling option of every terminal point
- Can be used as the basic terminal block for thermal circuit breaker TCP.../DC32V; see Catalog 6
- Type F auto flat-type fuse terminal blocks are also available in the "pt push-in connection terminal blocks" section



Notes:
For corresponding fuse inserts, see Catalog 6.
The recommended continuous load capacity of fuse inserts according to DIN 72581/Part 3 is a maximum of 80% of their nominal current (at an ambient temperature of 23°C).
1) If the fuse is faulty, the downstream circuit is not off load.
2) The current and voltage are determined by the fuse.
3) For derating curve, visit www.phoenixcontact.net/products





6 (10) mm², 30 A, fuse terminal block for type C flat-type fuses

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		8.2	**64**	**52**
Dimensions		Width	Length	Height NS 32
	[mm]	**8.2**	**64**	**57**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		30 3)	**250 2)**	**0.2 - 10** / **24 - 8**
Rated data		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	250 2)	300	32 / -
Nominal current / cross section	[A] / [mm²]	30 1) / 4	30 / -	30 / - / -
Rated cross section	[mm²]	6	-	- / -
Cross section range	AWG	24 - 8	26-8	26-8 / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6 / 0.25 - 4
Two conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 2.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			- / 0.5 - 4
General data				
Fuse type / dimensions	– / [mm]	C		
Stripping length	[mm]	10		
Screw thread		M4		
Tightening torque	[Nm]	1.5 - 1.6		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35...		black	**UK 6-FSI/C**		**3118203**	50
Fuse terminal block, for mounting on NS 32... or NS 35..., with LED for 12 V DC, 1.7 mA1)		black	**UK 6-FSI/C-LED12**		**3001925**	50
With light indicator for 24 V DC, 1.9 mA1)		black	**UK 6-FSI/C-LED24**		**3001938**	50

Accessories

Fixed bridge, insulated						
	10	silver	**FBI 10- 8**	34 A	**0203263**	10
Insertion bridge, fully insulated						
	2	gray	**EB 2- 8**	57 A	**0202154**	100
	3	gray	**EB 3- 8**	57 A	**0202141**	100
	4	gray	**EB 4- 8**	57 A	**0202142**	100
	10	gray	**EB 10- 8**	57 A	**0202138**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**						
	10	silver	**ISSBI 10- 8**	38 A	**0301534**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 10**		**1303337**	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Screwdriver			**SZS 1,0X4,0 VDE**		**1205066**	10
Lateral groove labeling			**ZB 8 (see Catalog 5)**			

UKK ...-HESI lever-type fuse terminal blocks



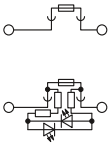
- The UK ...-HESI fuse terminal blocks are used to accommodate fuse inserts that are mainly used in the USA
- 56-pos. insertion bridges and insertion bridges for three phases are available
- Light indicator indicates that a fuse has blown
- When selecting and using cartridge fuse terminal blocks and inserts, IEC 60127-6/ DIN EN 60127-6 should be adhered to

Notes:

For detailed information on applications and power dissipation data, see www.phoenixcontact.net/products

[1]) If the fuse is faulty, the downstream circuit is not off load.

[2]) The current and voltage are determined by the fuse.





16 (25) mm², 32 A, lever-type fuse terminal block for 10.3 x 38 mm midget fuses

Technical data

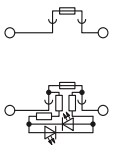
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		18	**86.7**	**65.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		32[2])	**690[2])**	**1.5 - 25** / **16 - 4**
Rated data		IEC 60947-1/-3 IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	690[2])	600	600 / -
Nominal current / cross section	[A] / [mm²]	32[2]) / 16	30 / -	30 / - / -
Rated cross section	[mm²]	16	-	- / -
Cross section range	AWG	16 - 4	18-3	18-3 / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	1.5 - 25	1.5 - 16	1.5 - 16 / 1.5 - 16
Two conductors (of the same type)	[mm²]	1.5 - 4	1.5 - 4	1.5 - 4 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 1.5 - 10
Max. cross section with insertion bridge	[mm²]	10	10	
General data				
Fuse type / dimensions	– / [mm]	Midget / 10.3 x 38		
Stripping length	[mm]	12		
Screw thread		M5		
Tightening torque	[Nm]	2.5 - 3		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35..., for 10.3 x 38 mm midget fuse inserts, 690 V AC/440 V DC		black	**UK 10,3-HESI N**		**3048386**	10
With light indicator[1])		black	**UK 10,3-HESILED N 690**		**3048399**	10
Fuse terminal block, for mounting on NS 35..., for fuse inserts CLASS CC 10.3 x 38 mm		black				

Accessories

Insertion bridge, divisible, insulated spine						
1-phase	2	gray	**EB 2-18**	76 A	**3009300**	50
1-phase	3	gray	**EB 3-18**	76 A	**3009305**	50
1-phase	56	gray	**EB 56-18**	76 A	**3009299**	5
3-phase	56	gray	**EB 56-18/L1-L2-L3**	76 A	**3009367**	5
Partition plate, 2 mm wide		gray	**TPN-UK**		**3003062**	10
Connection pin, for connecting several fuse terminal blocks, 2-pos.		black	**VS-UK 10,3-HESI N 2POL**		**3048532**	10
3-pos.		black	**VS-UK 10,3-HESI N 3POL**		**3048409**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Center groove labeling			**ZBF 10 (see Catalog 5)**			





25 (25) mm², 30 A, lever-type fuse terminal block for CLASS J 10.3 x 38 mm

Technical data

Width	Length	Height NS 35/7,5	
18	**81**	**65.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30²)	**600²)**	**1.5 - 25**	**16 - 4**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
600²)	-	600	-
32²) / 25	- / -	30 / -	-
25	-	-	-
16 - 4	-	18-4	-

solid	stranded	Ferrule	
		Without / with plastic sleeve	
1.5 - 25	1.5 - 25	1.5 - 16	1.5 - 16
1.5 - 4	1.5 - 4	1.5 - 4	-
			1.5 - 10
10	10		

Class CC
12
M5
2.5 - 3
PA
V0

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 10,3-CC HESI N		**3048580**	10

Accessories

EB 2-18	76 A	**3009300**	50
EB 3-18	76 A	**3009305**	50
EB 56-18	76 A	**3009299**	5
EB 56-18/L1-L2-L3	76 A	**3009367**	5
TPN-UK		**3003062**	10
VS-UK 10,3-HESI N 2POL		**3048532**	10
VS-UK 10,3-HESI N 3POL		**3048409**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZBF 10 (see Catalog 5)

UK 10,3-HESI 1000V lever-type fuse terminal blocks for photovoltaics





- Terminal blocks for protecting PV lines
- Particularly suitable for protecting monocrystalline and polycrystalline modules
- Suitable for standard 10.3 x 38 mm fuse inserts with gPV characteristic
- Dielectric strength up to 1000 V DC
- Light indicator indicates that a fuse has blown

Fuse holders and fuses are typically used in string combiner boxes. ST 6 terminal blocks from the CLIPLINE complete product range, for example, can be used as standard feed-through terminal blocks here.



- The spacers are used for improved heat dissipation, particularly when installing the fuse terminal blocks in compact control boxes

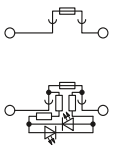
Fuses

- Special fuses with ultra-rapid PV characteristic (gPV)
- Use in PV lines with a nominal voltage of up to 1000 V DC
- Safe shutdown even in the event of short-circuit currents that are just above the nominal current

Notes:
For tools for stripping and crimping solar cables and plugs, see Catalog 5.
For disconnect terminal blocks with 1000 V and STME ... HV diode terminal blocks, see page 254.
For detailed information on PV applications and power dissipation data, see www.phoenixcontact.net/products
For further fuse inserts with UL approval, see www.phoenixcontact.net/products
1) If the fuse is faulty, the downstream circuit is not off load.
2) The current and voltage are determined by the fuse.

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
Max. cross section with insertion bridge	[mm²]
General data	
Fuse type / dimensions	– / [mm]
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Inflammability class according to UL 94	

Description	No. of pos.	Color
Fuse terminal block, for mounting on NS 35..., for midget fuse inserts 10.3 x 38 mm1)		black
With LED for 400 - 1000 V DC		black
Midget fuse, 10.3 x 38 mm, nominal current: 2 A		
Nominal current: 4 A		
Nominal current: 6 A		
Nominal current: 8 A		
Nominal current: 10 A		
Nominal current: 12 A		
Nominal current: 16 A		
Nominal current: 20 A		
Insertion bridge, divisible, insulated spine		
1-phase	2	gray
1-phase	3	gray
1-phase	56	gray
Spacer for neighboring fuse terminal block		
Partition plate, 2 mm wide		gray
Connection pin, for connecting several fuse terminal blocks, 2-pos.		black
3-pos.		black
Screwdriver		
Center groove labeling		





25 (25) mm², 32 A, 1000 V, lever-type fuse terminal block for midget fuses 10.3 x 38 mm



10.3 x 38 mm midget fuse inserts, 2 A - 20 A

Technical data

Width	Length	Height NS 35/7,5	
18	**81**	**65.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30²)	**1000²)**	**0.75 - 25**	**18 - 3**
IEC 60269-1/-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000²)	-	-	-
30²) / 16	- / -	-	-
25	-	-	-
18 - 3	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
1.5 - 25	0.75 - 25	1.5 - 16	1.5 - 16
1.5 - 4	0.75 - 10	1.5 - 4	-
			1.5 - 10
10	10		
Midget / 10.3 x 38			
11			
M5			
2 - 2.5			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
10	**38**	**-**	
		max. Ø [mm²]	AWG
		-	**-**
IEC 60269-6			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
-	-	-	-
-	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
-	-	-	-
-	-	-	-
-			
-			
-			
-			
-			
-			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 10,3-HESI 1000V		**3211236**	10
UK 10,3 HESILED 1000V		**3211249**	10

Ordering data

Type	Order No.	Pcs. / Pkt.
FUSE 10,3X38 2A PV	**3061295**	10
FUSE 10,3X38 4A PV	**3061305**	10
FUSE 10,3X38 6A PV	**3061318**	10
FUSE 10,3X38 8A PV	**3061321**	10
FUSE 10,3X38 10A PV	**3061334**	10
FUSE 10,3X38 12A PV	**3061347**	10
FUSE 10,3X38 16A PV	**3061350**	10
FUSE 10,3X38 20A PV	**3061363**	10

Accessories

EB 2-18	76 A	**3009300**	50
EB 3-18	76 A	**3009305**	50
EB 56-18	76 A	**3009299**	5
DP-UK 10,3-HESI		**3211238**	100
TPN-UK		**3003062**	10
VS-UK 10,3-HESI N 2POL		**3048532**	10
VS-UK 10,3-HESI N 3POL		**3048409**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
ZBF 16 (see Catalog 5)			

Accessories

UK screw connection - lever-type fuse terminal block for photovoltaics, 1500 V

Fuse terminal block

– Terminal block for protecting PV lines
– Particularly suitable for protecting monocrystalline and polycrystalline modules
– Suitable for standard 10.3 x 85 mm fuse inserts with gPV characteristic
– Dielectric strength up to 1500 V DC
– Generous labeling options for the clear identification of lines

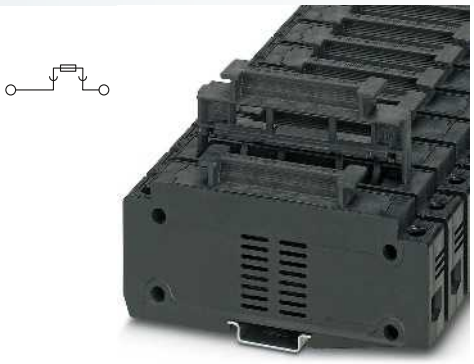
Fuses

– Special fuses with ultra-rapid PV characteristic (gPV)
– Use in PV lines with a nominal voltage of up to 1500 V DC
– Safe shutdown even in the event of short-circuit currents that are just above the nominal current

Diode terminal blocks

– For diode terminal blocks for protecting PV lines, see page 159

Notes:
The rated voltage is 1250 V and the maximum operating voltage is 1500 V.
Higher ambient temperatures are an additional strain on fuse inserts. In applications of this kind, the shift of the rated current should be taken into consideration accordingly.
For tools for stripping and crimping solar cables and plugs, see Catalog 5.
For detailed information on applications and power dissipation data, see www.phoenixcontact.net/products
1) The current and voltage are determined by the fuse.
2) Maximum operating voltage 1500 V.



25 (25) mm², 32 A, 1500 V, lever-type fuse terminal block

Technical data

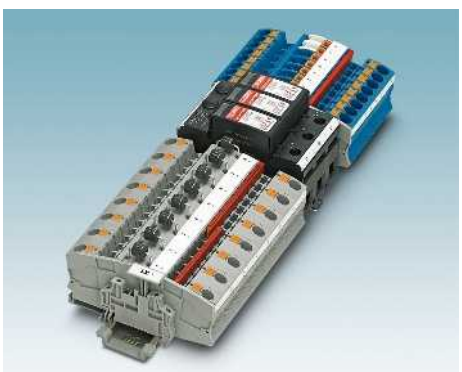
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**23**	**130**	**65.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		32[1])	**1250[2])**	**0.75 - 25**	**18 - 3**
Rated data		IEC 60269-1/-2 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1250[2])	-	-	-
Nominal current / cross section	[A] / [mm²]	32[1]) / 16	- / -	-	-
Rated cross section	[mm²]	25	-	-	-
Cross section range	AWG	18 - 3	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	1.5 - 25	0.75 - 25	1.5 - 16	1.5 - 16
Two conductors (of the same type)	[mm²]	1.5 - 4	0.75 - 10	1.5 - 4	-
Two stranded conductors with a TWIN ferrule	[mm²]				1.5 - 10
General data					
Fuse type / dimensions	– / [mm]	gG / gPV / 10.3 x 85			
Stripping length	[mm]	11			
Screw thread		M5			
Tightening torque	[Nm]	2.5 - 2.5			
Insulating material		PA			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Fuse terminal block, for mounting on NS 35..., for 10 x 85 mm cartridge fuse inserts	black	**UK 10,3-HESI 1500V**	**3062760**	5
Midget fuse, 10.3 x 85 mm, 1500 V, nominal current: 2 A				
Nominal current: 4 A				
Nominal current: 6 A				
Nominal current: 8 A				
Nominal current: 10 A				
Nominal current: 12 A				
Nominal current: 16 A				
Midget fuse, 10.3 x 85 mm, 1200 V, nominal current: 20 A				
Nominal current: 25 A				

Accessories

Partition plate, 2 mm wide	gray	**TPN-UK**	**3003062**	10
Screwdriver		**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Center groove labeling		**EML (16,5X5)R (see Catalog 5)**		





Fuse insert, 10.3 x 85 mm, 2 - 16 A, 1500 V



Fuse insert, 10.3 x 85 mm, 20 - 25 A, 1200 V

Technical data

Width	Length	Height NS 35/7,5	
10	**85**	**-**	
	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	1500	**-**	**-**
IEC 60269-6			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1500	-	-	-
-	- / -	-	-
-	-	-	-
-	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
-	-	-	-
-	-	-	-
-			
-			
-			
-			
-			

Technical data

Width	Length	Height NS 35/7,5	
10	**85**	**-**	
	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	1200	**-**	**-**
IEC 60269-6			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1200	-	-	-
-	- / -	-	-
-	-	-	-
-	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
-	-	-	-
-	-	-	-
-			
-			
-			
-			
-			

Ordering data

Type	Order No.	Pcs. / Pkt.
FUSE 10,3X85 2A PV	**3062766**	10
FUSE 10,3X85 4A PV	**3062767**	10
FUSE 10,3X85 6A PV	**3062768**	10
FUSE 10,3X85 8A PV	**3062769**	10
FUSE 10,3X85 10A PV	**3062770**	10
FUSE 10,3X85 12A PV	**3062771**	10
FUSE 10,3X85 16A PV	**3062772**	10

Ordering data

Type	Order No.	Pcs. / Pkt.
FUSE 10,3X85 20A PV	**3062773**	10
FUSE 10,3X85 25A PV	**3062774**	10

Accessories

Accessories

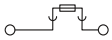
USEN ... fuse terminal blocks for NEOZED® fuse inserts

– These fuse terminal blocks are designed for NEOZED® fuses
– The NEOZED® system features an impressive high current-carrying capacity

Notes:

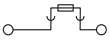
NEOZED® and DIAZED® are registered trademarks of Siemens AG.

[1]) Current carrying capacity of the insertion bridges in the case of central supply: 120 A.





35 (35) mm², 16 A, fuse terminal block for NEOZED D 01 (E14)





35 (35) mm², 63 A, fuse terminal block for NEOZED D 02 (E18)

Technical data

Dimensions		Width	Length	Height	
	[mm]	**27**	**82.7**	**71.9**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		16	**400**	**1.5 - 35**	**16 - 2**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	16 / 35	-	-	-
Rated cross section	[mm²]	35	-	-	-
Cross section range	AWG	16 - 2	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	1.5 - 35	1.5 - 35	1.5 - 25	1.5 - 25
Two conductors (of the same type)	[mm²]	1.5 - 10	1.5 - 10	1.5 - 10	-
Two stranded conductors with a TWIN ferrule	[mm²]				1.5 - 10
Max. cross section with insertion bridge	[mm²]	25	25		
General data					
Fuse type / dimensions	– / [mm]	D 01 / E 14			
Stripping length	[mm]	19			
Screw thread		M6			
Tightening torque	[Nm]	3.5 - 4			
Insulating material		Duroplast			
Inflammability class according to UL 94		V0			

Technical data

Dimensions		Width	Length	Height	
	[mm]	**27**	**84**	**75**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		63	**400**	**1.5 - 35**	**16 - 2**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	63 / 35	-	-	-
Rated cross section	[mm²]	35	-	-	-
Cross section range	AWG	16 - 2	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	1.5 - 35	1.5 - 35	1.5 - 25	1.5 - 25
Two conductors (of the same type)	[mm²]	1.5 - 10	1.5 - 10	1.5 - 10	-
Two stranded conductors with a TWIN ferrule	[mm²]				1.5 - 10
Max. cross section with insertion bridge	[mm²]	25	25		
General data					
Fuse type / dimensions	– / [mm]	D 02 / E 18			
Stripping length	[mm]	19			
Screw thread		M6			
Tightening torque	[Nm]	3.5 - 4			
Insulating material		Duroplast			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse element, incl. screw cap, for mounting on NS 35...						
		light gray	**USEN 14 N**		**3048357**	10
Insertion bridge, divisible, insulated spine						
1-phase	36	gray	**EB 36-27**	65 A[1])	**3009341**	1
3-phase	36	gray	**EB 36-27/L1-L2-L3**	65 A[1])	**3009354**	1
NEOZED® special spring, or use of fuse inserts D 01 in screw caps D 02 (on request), for 2 - 16 A		silver				
NEOZED® fuse inserts according to DIN 49522 400 V AC / 250 V DC		Pink	**S 2 A/380 V**		**0913016**	10
		brown	**S 4 A/380 V**		**0913029**	10
		green	**S 6 A/380 V**		**0913032**	10
		red	**S 10 A/380 V**		**0913045**	10
		gray	**S 16 A/380 V**		**0913058**	10
		blue				
		yellow				
		black				
		white				
		copper-colored				
Screwdriver			**SZS 1,0X6,5 VDE**		**1205079**	10
Marker carrier, SS-ZB contactor marking zack marker strip		black	**MA 20X 8 BK**		**0814270**	100
Marker tags, 5-section, unprinted, labeling with X-PEN, B-STIFT, plotter or BKMT 20 x 8 label		white	**SS-ZB WH**		**5031171**	50
Lettering field size: 20 x 8 mm		yellow	**SS-ZB YE**		**5031650**	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
USEN 18 N		**3048360**	10
EB 36-27	65 A[1])	**3009341**	1
EB 36-27/L1-L2-L3	65 A[1])	**3009354**	1
SH-SE 14/18		**0913317**	50
S 2 A/380 V		**0913016**	10
S 4 A/380 V		**0913029**	10
S 6 A/380 V		**0913032**	10
S 10 A/380 V		**0913045**	10
S 16 A/380 V		**0913058**	10
S 20 A/380 V		**0913061**	10
S 25 A/380 V		**0913074**	10
S 35 A/380 V		**0913087**	10
S 50 A/380 V		**0913090**	10
S 63 A/380 V		**0913100**	10
SZS 1,0X6,5 VDE		**1205079**	10
MA 20X 8 BK		**0814270**	100
SS-ZB WH		**5031171**	50
SS-ZB YE		**5031650**	50

USED ... fuse terminal blocks for DIAZED® fuse inserts

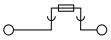


- This fuse terminal block accommodates DIAZED® fuses
- The major advantage of the DIAZED® system is its dielectric strength of up to 500 V
- Original DIAZED®-E 27 threads are used in closed housings
- Conductor cross sections of up to 35 mm² can be connected with the convenient spring-cage connection

Notes:

NEOZED® and DIAZED® are registered trademarks of Siemens AG.

1) Current carrying capacity of the insertion bridges in the case of central supply: 120 A.





35 (35) mm², 25 A, fuse terminal block for DIAZED D II (E27)

Technical data

Dimensions		Width	Length	Height	
	[mm]	**40**	**80**	**62.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		25	**500**	**1.5 - 35**	**16 - 2**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	-	-	-
Nominal current / cross section	[A] / [mm²]	25 / 35	-	-	-
Rated cross section	[mm²]	35	-	-	-
Cross section range	AWG	16 - 2	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	1.5 - 35	1.5 - 35	1.5 - 25	1.5 - 25
Two conductors (of the same type)	[mm²]	1.5 - 10	1.5 - 10	1.5 - 10	-
Two stranded conductors with a TWIN ferrule	[mm²]				1.5 - 10
Max. cross section with insertion bridge	[mm²]	25	25		
General data					
Fuse type / dimensions	– / [mm]	D II / E 27			
Stripping length	[mm]	19			
Screw thread		M6			
Tightening torque	[Nm]	3.5 - 4			
Insulating material		Duroplast			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Fuse element, incl. screw cap, for mounting on NS 35...						
		light gray	**USED 27 N**		**3048373**	5

Accessories

Insertion bridge, divisible, insulated spine						
1-phase	25	gray	**EB 25-40**	65 A1)	**3048412**	1
DIAZED® fuse inserts in acc. with DIN 49360 and DIN 49515 500 V AC / 250 V DC		Pink	**S-II- 2 A/500 V**		**0913605**	5
		brown	**S-II- 4 A/500 V**		**0913618**	5
		green	**S-II- 6 A/500 V**		**0913621**	5
		red	**S-II-10 A/500 V**		**0913634**	5
		gray	**S-II-16 A/500 V**		**0913647**	5
		blue	**S-II-20 A/500 V**		**0913650**	5
		yellow	**S-II-25 A/500 V**		**0913663**	5
Screwdriver			**SZS 1,0X6,5 VDE**		**1205079**	10
Marker carrier, SS-ZB contactor marking zack marker strip		black	**MA 20X 8 BK**		**0814270**	100
Marker tags, 5-section, unprinted, labeling with X-PEN, B-STIFT, plotter or BKMT 20 x 8 label		white	**SS-ZB WH**		**5031171**	50
Lettering field size: 20 x 8 mm		yellow	**SS-ZB YE**		**5031650**	50

Disconnect terminal blocks



- Disconnect terminal block with universal disconnect zone for accommodating fuse plugs, component plugs, and isolating plugs
- Design width of just 6.2 mm
- The terminal blocks are available in different basic forms
- MBK 5 mini-strip terminal blocks
- UK 5 N universal terminal blocks
- UDK 4 double terminal blocks
- UKK 5 double-level terminal blocks

Notes:

Three or four-conductor basic actuator terminal blocks DOK 1,5-TG, DOKD 1,5-TG and VIOK 1,5-D/TG/D/PE with disconnect function can be found on page 519 onwards.

For fuse, component, and isolating plugs, see page 544.

[1]) The current and voltage are determined by the component and fuse plug.





4 (4) mm², 16 A, disconnect terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**6.2**	**28**	**-**
Dimensions		Width	Length	Height NS 15
	[mm]	**6.2**	**28**	**36**
Dimensions		Width	Length	Height NS 32
	[mm]	**6.2**	**28**	**-**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		16[1])	**500[1])**	**0.2 - 4 / 24 - 12**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500[1])	300	300
Nominal current / cross section	[A] / [mm²]	16 / 4	20 / -	15 / - / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 12	28-12	28-12 / -
Rated data, upper level		IEC	UL/CUL	CSA / IEC/EN 60079-7
Nominal current / cross section	[A] / [mm²]	- / -	- / -	- / - / - / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5 / 0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			- / 0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	1.5	1.5	
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Ordering data

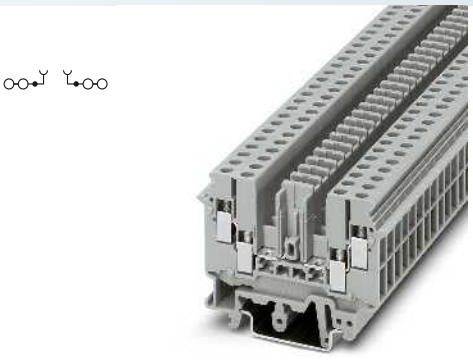
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Basic terminal block, for component and fuse plugs		gray	**MBK 5/E-TG**		**1415089**	50
Basic terminal block, with test socket screws on both sides		gray				

Accessories

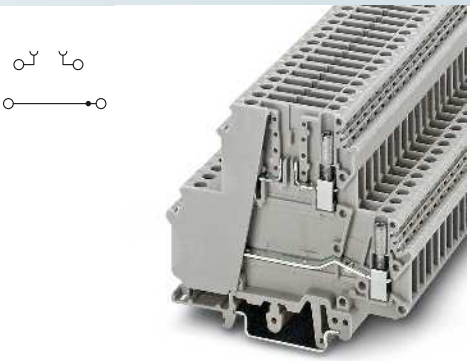
Cover, width 1 mm		gray	**D-MBK 5/E-T**		**1413706**	50
Cover, width 1.8 mm		gray				
Cover, width 1.5 mm		gray				
Fixed bridge, insulated	10	silver				
Insertion bridge, insulated	2	gray	**EB 2- 6**	16 A	**0201155**	100
	3	gray	**EB 3- 6**	16 A	**0201142**	100
	10	gray	**EB 10- 6**	16 A	**0201139**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver				
Bridge bar isolator, as distance piece for isolator bridge bar		gray				
Partition plate, 1.5 mm wide		gray				
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling						



4 (4) mm², 16 A, disconnect terminal block



4 (6) mm², 16 A, disconnect terminal block



4 (4) mm², 16 A, double-level terminal block with disconnect zone

Technical data

Width	Length	Height NS 35/7,5	
6.2	**42.5**	**47**	
Width	Length	Height NS 15	
6.2	**42.5**	**-**	
Width	Length	Height NS 32	
6.2	**42.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
16[1])	**500[1])**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500[1])	600	600	
16 / 4	20 / -	15 / -	-
4	-	-	-
24 - 12	28-12	28-12	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
- / -	- / -	- / -	- / -
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1.5
1.5	1.5		
9			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 4-TG		**2812018**	50
UK 4-TG-P/P		**2812034**	50

Accessories

D-UK 4/10		**3003020**	50
EB 2- 6	16 A	**0201155**	100
EB 3- 6	16 A	**0201142**	100
EB 10- 6	16 A	**0201139**	10
ATP-UK		**3003224**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**63.5**	**47**	
Width	Length	Height NS 15	
6.2	**63.5**	**-**	
Width	Length	Height NS 32	
6.2	**63.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
16[1])	**400**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	
16 / 4	15 / -	- / -	-
4	-	-	-
24 - 10	30-12	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
- / -	- / -	- / -	- / -
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1
2.5	2.5		
8			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UDK 4-TG		**2777014**	50

Accessories

D-UDK-RELG		**2777027**	50
FBI 10- 6	16 A	**0203250**	10
EB 2- 6	16 A	**0201155**	100
EB 3- 6	16 A	**0201142**	100
EB 10- 6	16 A	**0201139**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**80**	**68.5**	
Width	Length	Height NS 15	
6.2	**80**	**-**	
Width	Length	Height NS 32	
6.2	**80**	**73**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26	**400[1])**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[1])	300	300	
26 / 4	25 / -	15 / -	-
4	-	-	-
24 - 12	26-12	28-12	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
16 / 4	15 / -	- / -	- / -
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 2.5
4	4		
8			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKK 5-TG		**3007042**	50

Accessories

FBI 10- 6	26 A	**0203250**	10
EB 2- 6	22 A	**0201155**	100
EB 3- 6	22 A	**0201142**	100
EB 10- 6	22 A	**0201139**	10
ISSBI 10- 6	26 A	**0301505**	10
IS-K 4		**1302338**	100
SZG 0,6X3,5 VDE		**1205121**	10

ZB 6 (see Catalog 5)

Plugs for all disconnect terminal blocks in the UK series

– The ST-SI-UK 4 fuse plug for 5 x 20 mm cartridge fuse inserts is available with and without a light indicator
– The ST-BE component plug is available as an individual plug for two-pos. components and as a double plug

Notes:
[1]) If the fuse is faulty, the downstream circuit is not off load.
[2]) Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 1.0 A.
[3]) With single arrangement.
[4]) Integrated: rectifier module B 250 C 1500, reverse voltage: 600 V, nominal voltage: 250 V, nominal current: 1.5 A.



Fuse plug for 5 x 20 mm cartridge fuses



Component plug for 2 and 4-pos. components

Technical data

Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	300	-
Nominal current / cross section	[A] / [mm²]	6.3	6.3 / -	10 / -	-
Rated cross section	[mm²]	-	-	-	-
Cross section range	AWG	-	-	-	-
General data					
Tightening torque	[Nm]	-			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Technical data

		IEC	UL/CUL	CSA	IEC/ EN 60079-7
		-	300	-	-
		16	10 / -	-	-
		-	-	-	-
		-	30-14	-	-
		0.5 - 0.6			
		PA			
		V0			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Fuse plug, for cartridge fuse inserts 5 x 20 mm, 26.5 mm high, max 6.3 A	black	**ST-SI-UK 4**	**0921011**	50
Fuse plug, for cartridge fuse inserts, 5 x 20 mm, 26.5 mm high, max. 6.3 A, with light indicator, for 5-15 V AC/DC[1])	black	**ST-SILED 12-UK 4**	**0921024**	50
With LED for 15-30 V AC/DC	black	**ST-SILED 24-UK 4**	**0921037**	50
With LED for 30-60 V AC/DC	black	**ST-SILED 60-UK 4**	**0921040**	50
With LED for 110-250 V AC/DC	black	**ST-SILA250-UK 4**	**0921053**	50
Component plug, for switching on 2-pos. components in the basic terminal block, fixing at screw terminal points, 19 mm high, max 16 A[3])	gray			
Component plug, to connect 2-pos. components into the basic terminal block, 19 mm high, with LED for 24 V AC/DC	gray			
With LED for 230 V AC/DC	gray			
Component plug, to connect 2-pos. components into the basic terminal block, with diode 1N 4007, 19 mm high[2])	gray			
Component plug, for 4-pos. components, two basic terminal blocks required per plug, 19 mm high	gray			
Component plug, for 4-pos. components, two basic terminal blocks required per plug, with bridge rectifier B 250 C 1500, 19 mm high[4])	gray			
Isolating plug, 13.5 mm high, max. 16 A				

Ordering data

Type	Order No.	Pcs. / Pkt.
ST-BE	**2802316**	10
ST-BE-LA 24	**2802374**	10
ST-BE-LA230	**2802387**	10
ST-1N4007	**2802329**	10
ST-BE-VP	**2802332**	10
ST-B250C1500	**2802345**	10
ST-K 4	**5025462**	50

Accessories

Plug pliers, simplify removing the isolating plug from a closed row of terminal blocks			
Center groove labeling			

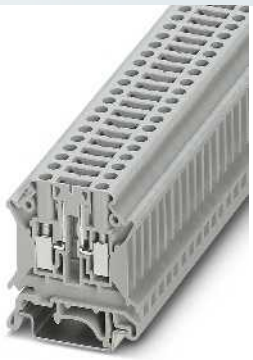
Accessories

TZ	**0306704**	10
ZB 6 (see Catalog 5)		

Disconnect terminal block, isolating and fuse plugs

– Compact, space-saving design
– Universal disconnect zone

Notes:
For corresponding function plugs, see www.phoenixcontact.net/products.
1) If the fuse is faulty, the downstream circuit is not off load.
2) Observe max. load current.
3) Observe max. load current, depending on the power dissipation of the components. Max. 0.5 W with single arrangement.
4) Current and voltage are determined by the plug used.



4 (6) mm², 16 A, disconnect terminal block



Function plug for universal disconnect zone

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**42.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**42.5**	**52**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		16[4])	**500[4])**	**0.2 - 6**	**24 - 10**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[4])	-	-	-
Nominal current / cross section	[A] / [mm²]	16[4]) / 1.5	- / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 10	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
Max. cross section with insertion bridge	[mm²]	4	4		
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

Width	Length	Height NS 35/7,5		
3.5	**10.8**	**-**		
Width	Length	Height NS 32		
3.5	**10.8**	**-**		
$I_{max.}$ [A]		max. Ø [mm²]	AWG	
20		**-**	**-**	
IEC	UL/CUL	CSA	IEC/ EN 60079-7	
-	-	-	-	
-	- / -	15 / -	-	
-	-	-	-	
-	-	-	-	
solid	stranded	Ferrule Without / with plastic sleeve		
-	-	-	-	
-	-	-	-	
-				
-				
-				
PA				
V2				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Disconnect terminal block, for mounting on NS 35 DIN rail		gray	**UK 5 N-TG**		**3000604**	50
Isolating plug[2])		orange				
Feed-through plug[2])		gray				
Component plug, labeled with ZBF 5 or UC-TMF 5[3])		gray				
Fuse plug, width 5.2 mm[1])		black				
With LED for 12-30 V DC, 0.31-0.95 mA						
For 30-60 V AC/DC, 0.40-0.86 mA		black				
For 110-250 V AC/DC, 0.41-0.96 mA		black				
Fuse plug, width 8.2 mm		black				
With LED for 12-30 V DC, 0.31-0.95 mA		black				
For 30-60 V AC/DC, 0.40-0.86 mA		black				
For 110-250 V AC/DC, 0.41-0.96 mA		black				

Ordering data

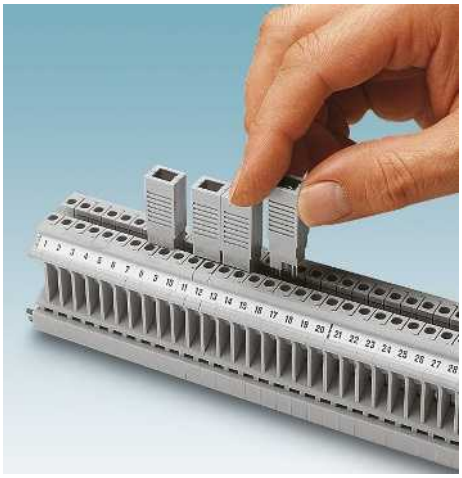
Type	Order No.	Pcs. / Pkt.
P-DI	**3036783**	50
P-FIX	**3038956**	50
P-CO	**3036796**	10
P-FU 5X20-5	**3209235**	10
P-FU 5X20 LED 24	**3036819**	10
P-FU 5X20 LED 60	**3036822**	10
P-FU 5X20 LA 250	**3036835**	10
P-FU 6,3X32	**3046498**	10
P-FU 6,3X32 LED 24	**3046508**	10
P-FU 6,3X32 LED 60	**3046511**	10
P-FU 6,3X32 LA 250	**3046524**	10

Accessories

Cover, width 1.8 mm		gray	**D-UK 4/10**	**3003020**	50
Insertion bridge, insulated					
	2	gray	**EB 2- 6** 16 A	**0201155**	100
	3	gray	**EB 3- 6** 16 A	**0201142**	100
	10	gray	**EB 10- 6** 16 A	**0201139**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Lateral groove labeling			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**		

Accessories

BES 6 component plugs



- Advantageous when adding any 2-pos. components, such as diodes or varistors, between two neighboring feed-through terminal blocks at a later date
- Supplied as a set with two socket
- The sockets are screwed into the center thread of the feed-through terminal blocks. They are of different lengths, which determines the correct functional direction (corresponds to the vertically offset multiple-spring wire plugs) and prevents confusion later on.
- If several BES 6 plugs are fitted next to each other, separating disks should be provided between the pairs of terminal blocks in order to prevent incorrect plugging
- To insert the components, the upper half of the housing is lifted, thus exposing the plug pins for soldering
- Versions are available with a light indicator or diode. These serve as a protective circuit for DC loads.

The plugs can be used with the following terminal blocks:

- MBK 5: Dimension a = 64 mm on DIN rail NS 15
- MBK 5/E-Z: Dimension a = 68 mm on DIN rail NS 15
- UK 5 N: Dimension a = 75 mm on DIN rail NS 35/7,5
- UKK 5: Dimension a = 92 mm on DIN rail NS 35/7,5
- UKKB 5: Dimension a = 92 mm on DIN rail NS 35/7,5
- UVKB 4: Dimension a = 76 mm on DIN rail NS 35/7,5

Notes:

[1]) Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 1.0 A.



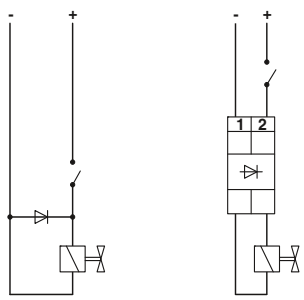
Component plug

Technical data

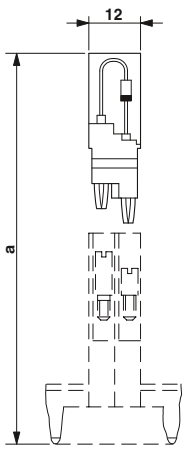
General data	
Insulating material	PA
Inflammability class according to UL 94	V2

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Component plug, complete, for connection of components between two neighboring feed-through terminal blocks	gray	**BES 6**	**2802549**	10
Component plug, complete, for connection of components between two neighboring feed-through terminal blocks, with diode 1N 4007[1])	gray	**BES 6-1N4007**	**2802552**	10
Component plug, with light indicator, 15 - 30 V DC	gray	**BES 6-LA 24**	**2802565**	10
Component plug, with light indicator, 110-250 V AC/DC	gray	**BES 6-LA230**	**2802578**	10



Damping diode with feed-through terminal blocks and BES 6

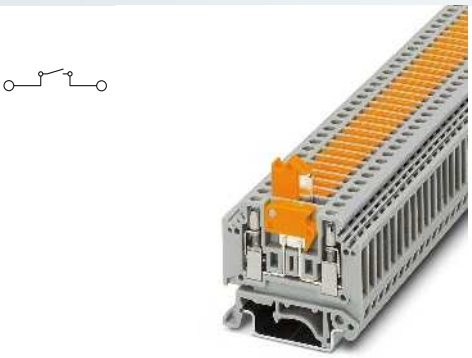


Construction: BES 6

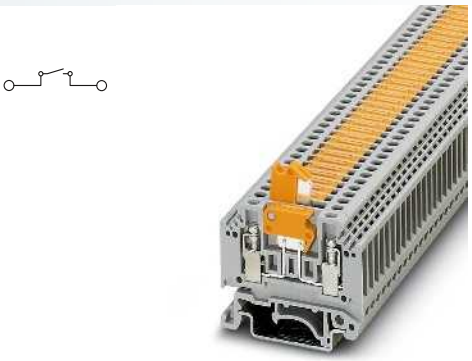
MTK ... knife disconnect terminal blocks

For maintenance work or rapid trouble-shooting, these disconnect terminal blocks are used in measurement and control systems:

– Convenient disconnect knife operation
– Space-saving design
– High current-carrying capacity up to 16 A
– Versions with integrated test socket screws



2.5 (4) mm², 16 A, knife disconnect terminal block with test socket screw



2.5 (4) mm², 16 A, knife disconnect terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**46**	**51.5**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**5.2**	**46**	**56**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		16	**400**	**0.2 - 4**	**24 - 12**
		IEC 60947-7-1			
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	16 / 2.5	10 / -	15 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	28-12	28-12	-
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	4	2.5		
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

Width		Length	Height NS 35/7,5		
5.2		**46**	**51.5**		
Width		Length	Height NS 32		
5.2		**46**	**56**		
$I_{max.}$ [A]		$U_{max.}$ [V]	max. Ø [mm²]		AWG
16		**400**	**0.2 - 4**		**24 - 12**
IEC 60947-7-1					
IEC		UL/CUL	CSA		IEC/ EN 60079-7
400		300	300		-
16 / 2.5		10 / -	15 / -		-
2.5		-	-		-
24 - 12		28-12	28-12		-
solid		stranded	Ferrule		
			Without / with plastic sleeve		
0.2 - 4		0.2 - 2.5	0.25 - 2.5		0.25 - 1.5
0.2 - 1.5		0.2 - 1.5	0.25 - 1.5		-
					0.5 - 1.5
4		2.5			
7					
M3					
0.5 - 0.6					
PA					
V0					

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with test socket screws on both sides		gray	**MTK-P/P**		**3104013**	50
		blue	**MTK-P/P BU**		**3104097**	50
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with screw connection on both sides		gray				
		blue				
Feed-through terminal block, without disconnect knife, with test socket screws		gray				
With screw connection		gray				
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with test socket screws on both sides, bridgeable in both levels		gray				
		blue				
Without test socket screws		gray				
Knife disconnect terminal block, for mounting on NS 35...		gray				

Ordering data

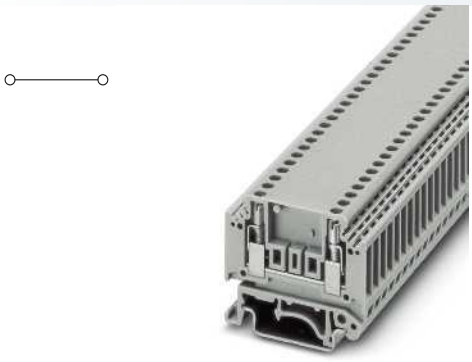
Type	I_{max}	Order No.	Pcs. / Pkt.
MTK		**3101016**	50
MTK BU		**3101197**	50

Accessories

Cover, width 1 mm		gray	**D-MTK**		**3101029**	50
		blue	**D-MTK BU**		**3101090**	50
Insertion bridge, insulated						
	2	gray	**EBL 2- 5**	12 A	**2303145**	10
	3	gray	**EBL 3- 5**	12 A	**2303158**	10
	10	gray	**EBL 10- 5**	12 A	**2303132**	10
Partition plate, for visual and electrical separation of terminal groups, 1.0 mm thick		gray	**ATS-MTK**		**3101223**	50
Screwdriver			**SZG 0,6X3,5 VDE**		**1205121**	10
Lateral groove labeling			**ZB 5 (see Catalog 5)**			

Accessories

D-MTK		**3101029**	50
D-MTK BU		**3101090**	50
EBL 2- 5	12 A	**2303145**	10
EBL 3- 5	12 A	**2303158**	10
EBL 10- 5	12 A	**2303132**	10
ATS-MTK		**3101223**	50
SZG 0,6X3,5 VDE		**1205121**	10
ZB 5 (see Catalog 5)			



2.5 (4) mm², 16 A, feed-through terminal block, with test socket screw

Technical data

Width	Length	Height NS 35/7,5	
5.2	**46**	**51.5**	
Width	Length	Height NS 32	
5.2	**46**	**56**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
16	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	600	-
16 / 2.5	10 / -	20 / -	-
2.5	-	-	-
24 - 12	28-12	28-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 1.5
4	2.5		
7			
M3			
0.5 - 0.6			
PA			
V0			

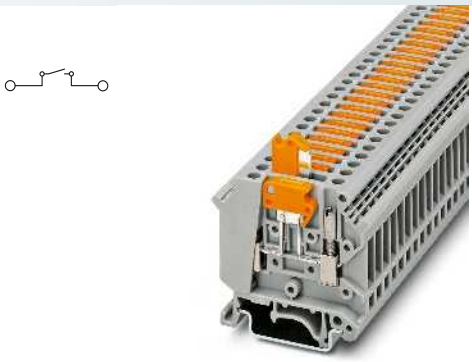
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
MTKD-P/P		**3100020**	50
MTKD		**3100017**	50

Accessories

D-MTK		**3101029**	50
D-MTK BU		**3101090**	50
EBL 2- 5	12 A	**2303145**	10
EBL 3- 5	12 A	**2303158**	10
EBL 10- 5	12 A	**2303132**	10
ATS-MTK		**3101223**	50
SZG 0,6X3,5 VDE		**1205121**	10

ZB 5 (see Catalog 5)



4 (6) mm², 16 A, knife disconnect terminal block with test socket screw

Technical data

Width	Length	Height NS 35/7,5	
6.2	**51**	**58.5**	
Width	Length	Height NS 32	
6.2	**51**	**63.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
16	**500**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	300	-
16 / 2.5	15 / -	15 / -	-
4	-	-	-
24 - 10	22-12	18-10	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 2.5
4	4		
8			
M3			
0.5 - 0.6			
PA			
V0			

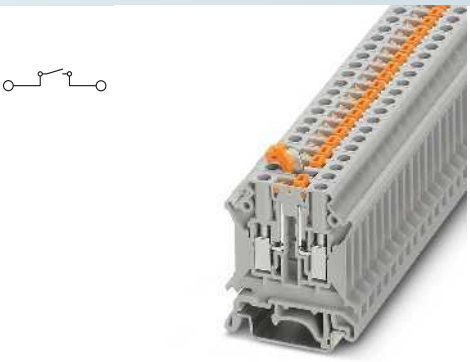
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 5-MTK-P/P		**3004032**	50
UK 5-MTK-P/P BU		**3004058**	50
UK 5-MTK		**3004430**	50

Accessories

D-UK 4/10		**3003020**	50
EB 2- 6	12 A	**0201155**	100
EB 3- 6	12 A	**0201142**	100
EB 10- 6	12 A	**0201139**	10
ATP-UK 5-MTK		**3004210**	50
SZG 0,6X3,5 VDE		**1205121**	10

ZB 6 (see Catalog 5)



4 (6) mm², 16 A, knife disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**42.5**	**48.7**	
Width	Length	Height NS 32	
6.2	**42.5**	**53.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
16	**500**	**0.2 - 6**	**24 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	-	-
16 / 1.5	15 / -	-	-
4	-	-	-
24 - 10	20-10	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 2.5
4	4		
8			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UK 5 N-MT		**3000563**	50

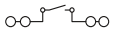
Accessories

D-UK 4/10		**3003020**	50
D-UK 4/10 BU		**3003101**	50
EB 2- 6	16 A	**0201155**	100
EB 3- 6	16 A	**0201142**	100
EB 10- 6	16 A	**0201139**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

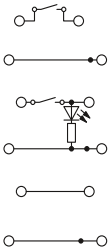
Knife disconnect terminal blocks

– Convenient disconnect knife operation
– Closed housing of double-level terminal blocks
– The disconnect knife on the associated level is characterized by a slight vertical offset
– Space-saving design just 6.2 mm wide





4 (6) mm², 16 A, knife disconnect terminal block, 4 connections, with test socket screw





4 (4) mm², 12 A, double-level knife disconnect terminal block with test socket screw

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**6.2**	**63.5**	**47**	
Dimensions	Width	Length	Height NS 32	
[mm]	**6.2**	**63.5**	**52**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	16	**630**	**0.2 - 6**	**24 - 10**
	IEC 60947-7-1			
Rated data	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	630	600	600	-
Nominal current / cross section [A] / [mm²]	16 / 4	15 / -	15 / -	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 10	30-10	22-10	-
Rated data, upper level	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section [A] / [mm²]	-	-	-	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
Two conductors (of the same type) [mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 1
Max. cross section with insertion bridge [mm²]	2.5	2.5		
General data				
Stripping length [mm]	8			
Screw thread	M3			
Tightening torque [Nm]	0.5 - 0.6			
Insulating material	PA			
Inflammability class according to UL 94	V2			

Technical data

Width	Length	Height NS 35/7,5		
6.2	**80**	**68**		
Width	Length	Height NS 32		
6.2	**80**	**73**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
26	**400**	**0.2 - 4**	**24 - 12**	
IEC 60947-7-1				
IEC	UL/CUL	CSA	IEC/ EN 60079-7	
400	300	300	-	
26 / 4	- / -	15 / -	-	
4	-	-	-	
24 - 12	26-12	22-12	-	
IEC	UL/CUL	CSA	IEC/ EN 60079-7	
12 / 4	-	-	-	
solid	stranded	Ferrule Without / with plastic sleeve		
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5	
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	
			0.5 - 1.5	
8				
M3				
0.6 - 0.8				
PA				
V2				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with test socket screws on both sides		gray	**UDK 4-MTK-P/P**		**2775210**	50
		blue	**UDK 4-MTK-P/P BU**		**2775223**	50
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with test socket screws on both sides, bridgeable in both levels		gray				
Double-level terminal block, for mounting on NS 32... or NS 35..., with disconnect knife and light indicator for 12 V DC		gray				
Double-level terminal block, for mounting on NS 32... or NS 35..., with two through contacts, without light indicator		gray				

Ordering data

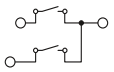
Type	I_{max}	Order No.	Pcs. / Pkt.
UKK 5-MTK-P/P		**2800004**	50
UKK 5-MTK-P/P-LA 24RD/O-U		**2800020**	50
UKK 5-MTKD-P/P		**2800017**	50

Accessories

Cover, width 1.5 mm		gray	**D-UDK 4**	**2775113**	50
		blue	**D-UDK 4 BU**	**2775197**	50
Fixed bridge, insulated	10	silver			
Insertion bridge, insulated	2	gray	**EB 2- 6** 12 A	**0201155**	100
	3	gray	**EB 3- 6** 12 A	**0201142**	100
	10	gray	**EB 10- 6** 12 A	**0201139**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Lateral groove labeling			**ZB 6 (see Catalog 5)**		

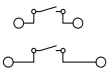
Accessories

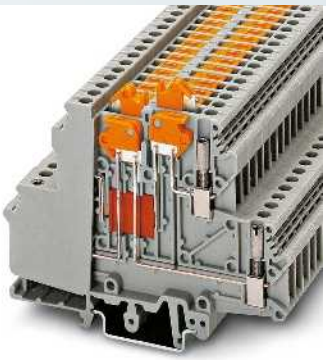
FBI 10- 6	22 A	**0203250**	10	
SZG 0,6X3,5 VDE		**1205121**	10	
ZB 6 (see Catalog 5)				



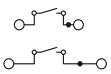


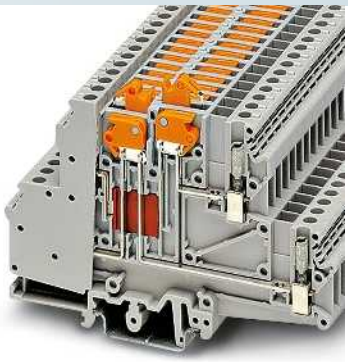
4 (4) mm², 8 A, feed-through terminal block, 3 connections, with two disconnect knives, test socket screw





4 (4) mm², 8 A, double-level terminal block, one disconnect knife per level, test socket screw





4 (4) mm², 8 A, double-level terminal block, one disconnect knife and bridge shaft per level, test socket screw

Technical data

Width	Length	Height NS 35/7,5	
6.2	**76.5**	**68.5**	
Width	Length	Height NS 32	
6.2	**76.5**	**73**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
8	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	300	-
8 / 4	8 / -	8 / -	-
4	-	-	-
24 - 12	26-12	28-12	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
8 / 4	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 2.5
8			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UDMTK 5-TWIN-P/P	**3101126**	50
UDMTK 5-TWIN-P/P BU	**3101139**	50

Accessories

SZG 0,6X3,5 VDE	**1205121**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**93**	**68.5**	
Width	Length	Height NS 32	
6.2	**93**	**73**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
10	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	300	-
10 / 4	- / -	15 / -	-
4	-	-	-
24 - 12	-	28-12	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
8 / 4	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 2.5
8			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UDMTK 5-P/P	**3101087**	50
UDMTK 5-P/P BU	**3101113**	50

Accessories

SZG 0,6X3,5 VDE	**1205121**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**106**	**68.5**	
Width	Length	Height NS 32	
6.2	**106**	**73**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
10	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
10 / 4	- / -	-	-
4	-	-	-
24 - 12	-	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
8 / 4	-		-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 2.5
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UDMTKB 5-P/P		**3024478**	50

Accessories

FBI 10- 6	10 A	**0203250**	10
SZG 0,6X3,5 VDE		**1205121**	10

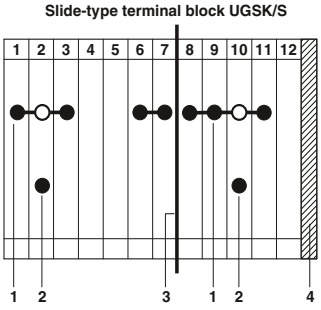
ZB 6 (see Catalog 5)

UGSK/S slide-type terminal block, URTK/SS test disconnect terminal block



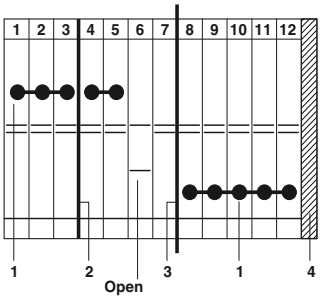
– Simple and clear testing in current transformer secondary circuits can be undertaken with the UGSK/S slide-type terminal block for cross switching
– Measurement equipment or protective relays can be individually activated with the aid of bridges and slides
– For this purpose, the slides make contact with the switching jumper depending on the switching task
– The URTK/SS supports very compact and clear design of transformer test circuits

Slide-type terminal block UGSK/S



	Type	Order no.
1	FB 10-GSK/S	0305174
2	GS-GSK/S	0305116
3	ATS-GSK	0304227
4	D-UGSK	0304023

Knife disconnect terminal block URTK/SS



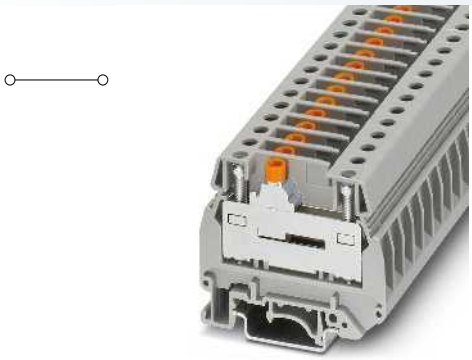
	Type	Order no.
1	FBRNI 10-6	2770626
2	TS-URTK/SS	0321213
3	ATS-URTK/SS	0321226
4	D-URTK/SS	0321022

Dimensions	
	[mm]
Dimensions	
	[mm]
Max. electrical data	

Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Terminal point: thread / torque	- / [Nm]
Disconnect slide: thread / torque	- / [Nm]
Insulating material	
Inflammability class according to UL 94	

Description	No. of pos.	Color
Slide-type terminal block, for mounting on NS 32... or NS 35...		gray
Without slide		gray
Test disconnect terminal block, for mounting on NS 32... or NS 35...		gray
With test sockets		gray

Cover, width 2.2 mm		gray
Cover, width 1 mm		gray
Fixed bridge		
	10	silver
Slide, for switchable connection along with FB 10-GSK/S or FB-GSK		
		silver
Separating plate, for separation of neighboring bridges in terminal center, width 0.8 mm		gray
Separating disk, 0.8 mm wide		gray
Slide with a test socket, insulated, for the UGSK/S terminal block, M3.5 thread		transparent
		white
		red
		blue
		yellow
		green
		violet
		gray
		black
Screwdriver		
Lateral groove labeling		



6 (10) mm², 57 A, slide-type terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**61**	**53.5**	
Width	Length	Height NS 32	
8.2	**61**	**58.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57	**500**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	-	-	-
41 / 6	- / -	-	-
6	-	-	-
20 - 8	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 4
0.5 - 1.5	0.5 - 4	0.5 - 4	-
			0.5 - 4
11			
M4 / 1.5 - 1.8			
M2,6 / 0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UGSK/S + GS		**0313085**	50
UGSK/S		**0305080**	50

Accessories

D-UGSK		**0304023**	50
FB 10- GSK/S	43 A	**0305174**	10
GS-GSK/S		**0305116**	100
TS-GSK		**0304214**	50
ATS-GSK		**0304227**	50
PSBJ-GSK/S FARBLOS		**0305394**	10
PSBJ-GSK/S WH		**0305310**	10
PSBJ-GSK/S RD		**0305323**	10
PSBJ-GSK/S BU		**0305336**	10
PSBJ-GSK/S YE		**0305349**	10
PSBJ-GSK/S GN		**0305352**	10
PSBJ-GSK/S VT		**0305365**	10
PSBJ-GSK/S GY		**0305378**	10
PSBJ-GSK/S BK		**0305381**	10
SZS 1,0X4,0 VDE		**1205066**	10

ZB 8 (see Catalog 5)



4 (4) mm², 26 A, test disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
6.2	**56.5**	**40**	
Width	Length	Height NS 32	
6.2	**56.5**	**45**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	300	-
26 / 4	20 / -	25 / -	-
4	-	-	-
24 - 12	28-12	28-12	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 2.5
7			
M3 / 0.6 - 0.8			
M2,6 / 0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
URTK/SS		**0321019**	50

Accessories

D-URTK/SS		**0321022**	50
FBRNI 10-6 N	26 A	**2770626**	10
TS-URTK/SS		**0321213**	50
ATS-URTK/SS		**0321226**	100
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)



4 (4) mm², 26 A, test disconnect terminal block with test sockets

Technical data

Width	Length	Height NS 35/7,5	
6.2	**56.5**	**40**	
Width	Length	Height NS 32	
6.2	**56.5**	**45**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
26	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
26 / 4	- / -	-	-
4	-	-	-
24 - 12	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 2.5
7			
M3 / 0.6 - 0.8			
M2,6 / 0.5 - 0.6			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
URTK/SS-PSB	**3056608**	50

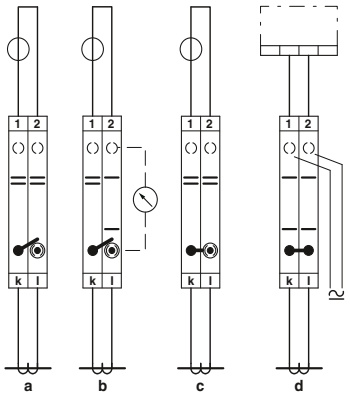
Accessories

D-URTK/SS	**0321022**	50
TS-URTK/SS	**0321213**	50
ATS-URTK/SS	**0321226**	100
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

ZB 6 (see Catalog 5)

URTK/S... test disconnect terminal block



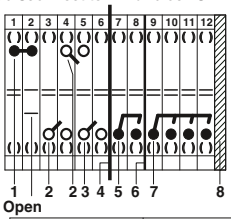


– Easy and clear testing in current transformer secondary circuits can be performed using the test disconnect terminal blocks of the URTK/S range
– On both sides of the disconnect point, the terminal block has a test socket which can also be used to switch across to neighboring terminal blocks
– The URTK/S−BEN ... terminal blocks are provided with test socket screws for test plugs with a 4 mm diameter

– All switching tasks with two terminal blocks per current transformer core can be implemented with the URTK/S, URTK/S-BEN, and URTK/S-BEN 10 test disconnect terminal blocks

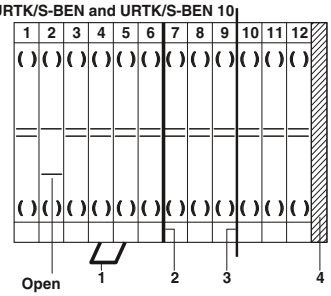
a Normal operation
b Measurement checking
c Transformer short circuit
d Relay checking

Test disconnect terminal block URTK/S



	Type	Order no.
1	FB 10-RTK/S	0311171
2	USB 2-RTK/S	0311278
3	ASB 2-RTK/S	0311281
4	ATS-RTK	0310224
5	SB 2-RTK/S	0311236
6	TS-RTK	0310211
7	SB 4-RTK/S	0311265
8	D-URTK	0310020

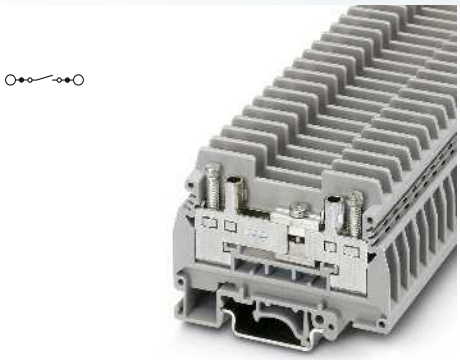
Test disconnect terminal block for URTK/S-BEN and URTK/S-BEN 10



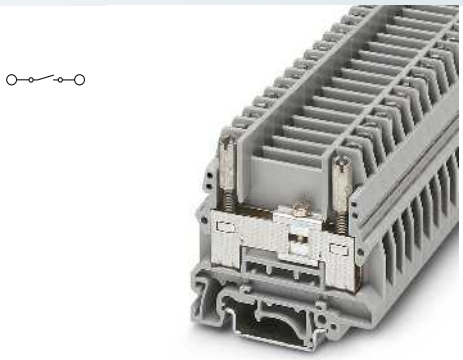
	Type	Order no.
1	EB 2-8	0202154
2	TS-RTK-BEN	0308210
3	ATS-RTK-BEN	0308223
4	D-URTK/S-BEN	0308029

Dimensions	
	[mm]
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
Max. cross section with insertion bridge	[mm²]
General data	
Stripping length	[mm]
Terminal point: thread / torque	- / [Nm]
Disconnect slide: thread / torque	- / [Nm]
Insulating material	
Inflammability class according to UL 94	

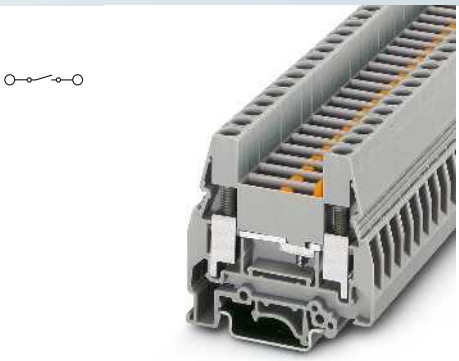
Description	No. of pos.	Color
Terminal block, for mounting on NS 32... or NS 35...		gray
Cover, width 2.2 mm		gray
Insertion bridge, fully insulated		
	2	gray
	3	gray
	4	gray
	10	gray
Fixed bridge, for cross connections on both sides of the disconnect point, divisible, with 10 screws		
	10	silver
Switching jumper for two terminal blocks, usable for both sides of the disconnect point, with 2 screws		
Inward switching	2	silver
Outward switching	2	silver
Switch bar for 2 terminal blocks, with 2 screws		
	2	silver
Switching jumper, for 3-phase short circuiting of linked current transformer sets, with 4 screws		
	4	silver
Separating plate, for electrical separation of neighboring bridges at the terminal center		gray
Partition plate, for visual and electrical separation of terminal groups		gray
Switching lock, excludes the possibility of an unintentional operation of the disconnect slide		white
Screwdriver		
Lateral groove labeling		



6 (10) mm², 57 A, test disconnect terminal block



6 (10) mm², 57 A, test disconnect terminal block



10 (16) mm², 76 A, test disconnect terminal block

CCA

CCA

Technical data

Width	Length	Height NS 35/7,5	
8.2	**72**	**51.5**	
Width	Length	Height NS 32	
8.2	**72**	**56**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57	**400**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	300	-
41 / 6	50 / -	40 / -	-
6	-	-	-
20 - 8	26-8	26-10	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 4
0.5 - 2.5	0.5 - 6	0.5 - 4	-
			0.5 - 4
13			
M4 / 1.2 - 1.5			
M3 / 0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
URTK/S		**0311087**	50

Accessories

D-URTK		**0310020**	50
EB 2- 8	41 A	**0202154**	100
EB 3- 8	41 A	**0202141**	100
EB 4- 8	41 A	**0202142**	100
EB 10- 8	41 A	**0202138**	10
FB 10- RTK/S	41 A	**0311171**	10
USB 2-RTK/S	35 A	**0311278**	10
ASB 2-RTK/S	35 A	**0311281**	10
SB 2-RTK/S	35 A	**0311236**	10
SB 4-RTK/S	35 A	**0311265**	10
TS-RTK		**0310211**	50
ATS-RTK		**0310224**	50
S		**0308359**	100
SZS 1,0X4,0 VDE		**1205066**	10

ZB 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**61**	**58.5**	
Width	Length	Height NS 32	
8.2	**61**	**63.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57	**500**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
41 / 6	50 / -	40 / -	-
6	-	-	-
20 - 8	26-8	26-10	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 4
0.5 - 2.5	0.5 - 6	0.5 - 4	-
			0.5 - 4
	6		
10			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
URTK/S-BEN		**0309086**	50

Accessories

D-URTK/S-BEN		**0308029**	50
EB 2- 8	41 A	**0202154**	100
EB 3- 8	41 A	**0202141**	100
EB 4- 8	41 A	**0202142**	100
EB 10- 8	41 A	**0202138**	10
TS-RTK-BEN		**0308210**	50
ATS-RTK-BEN		**0308223**	100
SZG 0,9X6,5 VDE		**1205134**	10

ZB 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**61**	**58.5**	
Width	Length	Height NS 32	
8.2	**61**	**63.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
76	**500**	**0.5 - 16**	**20 - 6**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	600	600	-
57 / 10	50 / -	55 / -	-
10	-	-	-
20 - 6	26-8	26-8	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 10	0.5 - 6	0.5 - 6	-
			0.5 - 6
10	10		
11			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
URTK/S-BEN 10		**0309109**	50

Accessories

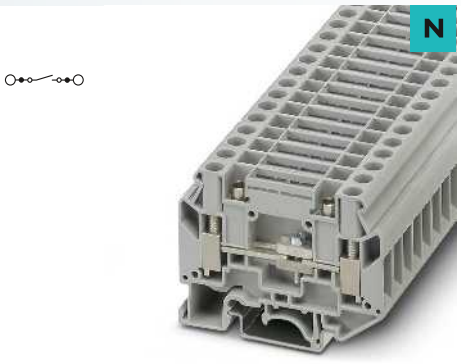
D-URTK/S-BEN		**0308029**	50
EB 2- 8	41 A	**0202154**	100
EB 3- 8	41 A	**0202141**	100
EB 4- 8	41 A	**0202142**	100
EB 10- 8	41 A	**0202138**	10
TS-RTK-BEN		**0308210**	50
ATS-RTK-BEN		**0308223**	100
SZG 0,9X6,5 VDE		**1205134**	10

ZB 8 (see Catalog 5)

UK 6-T test disconnect terminal blocks

– Easy and clear testing in the current transformer secondary circuits can be performed using the UK 6-T test disconnect terminal block
– Compact design
– Switching jumpers with and without test sockets

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



6 (10) mm², 57 A, disconnect terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**8.2**	**66.5**	**48**
Dimensions		Width	Length	Height NS 32
	[mm]	**8.2**	**66.5**	**52.9**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		57	**500**	**0.5 - 10** / **20 - 8**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	-	- / -
Nominal current / cross section	[A] / [mm²]	41 / 6	- / -	- / -
Rated cross section	[mm²]	6	-	- / -
Cross section range	AWG	20 - 8	-	- / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6 / 0.5 - 6
Two conductors (of the same type)	[mm²]	0.5 - 2.5	0.5 - 4	0.5 - 2.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 4
General data				
Stripping length	[mm]	10		
Terminal point: thread / torque	- / [Nm]	M4 / 1.5 - 1.6		
Disconnect slide: thread / torque	- / [Nm]	M3 / 0.6 - 0.8		
Torque: test socket, fixed bridge, switch bar	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

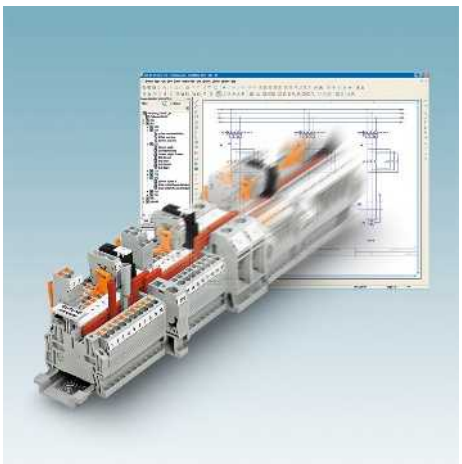
Ordering data

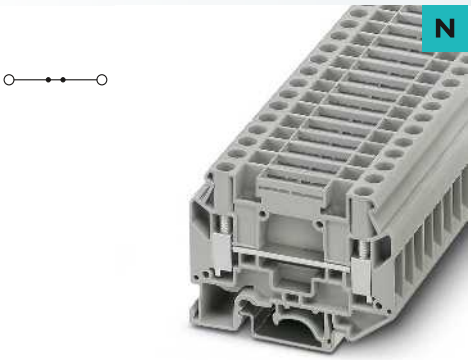
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Disconnect terminal block, with test sockets		gray	**UK 6-T-P**		**3072800**	50
Feed-through terminal block		gray				

Accessories

Cover, width 2.2 mm		gray	**D-UK 6-T**		**3072802**	50
Fixed bridge, 10-pos.	10	silver	**SCBI 10-8,15**	24 A	**3245134**	10
Isolator bridge bar, 10-pos.	10	silver	**SCBI 10-8,15 ISO**	24 A	**3000417**	10
Switching jumper, complete	2	orange	**SB 6-T 2-8**	32 A	**3075842**	10
	3	orange	**SB 6-T 3-8**	32 A	**3075843**	10
	4	orange	**SB 6-T 4-8**	32 A	**3075844**	10
Switching jumper, complete with test sockets	2	orange	**SBP-TB 6-T 2-8**	32 A	**3070321**	10
	3	orange	**SBP-TB 6-T 3-8**	32 A	**3070322**	10
	4	orange	**SBP-TB 6-T 4-8**	32 A	**3070323**	10
Test socket			**TPS 3/20/5**		**3246586**	10
Test socket, for test connection with PS test plug		orange	**PSBJ 6-T OG**		**3070320**	10
		white	**PSBJ 6-T WH**		**3070324**	10
Modular test plug housing, labeling with ZBF 8		red	**PS-8/2,3MM RD**		**3048564**	10
4 mm Ø			**MPS-MT/ 4MM**		**3048577**	1
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., $I_{max.}$ 20 A		black	**KSS 8**		**0311540**	10
4-pos.		black	**KSS 4- 8**		**0309549**	10
Screwdriver			**SF-SL 0,8X4,0-100 S-VDE**		**1212588**	10

Lateral groove labeling	**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**





6 (10) mm², 57 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**66.5**	**48**	
Width	Length	Height NS 32	
8.2	**66.5**	**52.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57	**800**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	-	-	-
41 / 6	- / -	-	-
6	-	-	-
20 - 8	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	- 0.5 - 4
10			
M4 / 1.5 - 1.6			
- / -			
0.6 - 0.8			
PA			
V0			

Ordering data

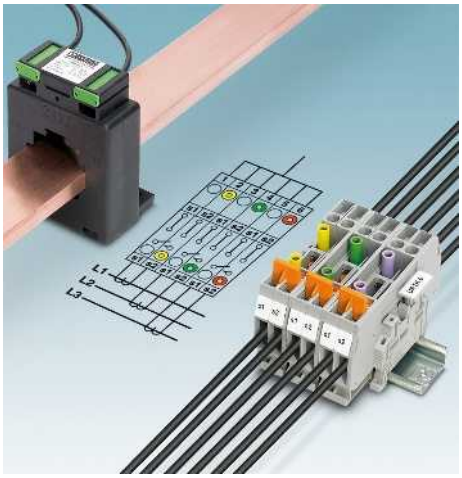
Type	I_{max}	Order No.	Pcs. / Pkt.
UKD 6		**3072801**	50

Accessories

D-UK 6-T		**3072802**	50
SCBI 10-8,15	24 A	**3245134**	10
SCBI 10-8,15 ISO	24 A	**3000417**	10
SB 6-T 2-8	32 A	**3075842**	10
SB 6-T 3-8	32 A	**3075843**	10
SB 6-T 4-8	32 A	**3075844**	10
SBP-TB 6-T 2-8	32 A	**3070321**	10
SBP-TB 6-T 3-8	32 A	**3070322**	10
SBP-TB 6-T 4-8	32 A	**3070323**	10
TPS 3/20/5		**3246586**	10
PSBJ 6-T OG		**3070320**	10
PSBJ 6-T WH		**3070324**	10
PS-8/2,3MM RD		**3048564**	10
MPS-MT/ 4MM		**3048577**	1
KSS 8		**0311540**	10
KSS 4- 8		**0309549**	10
SF-SL 0,8X4,0-100 S-VDE		**1212588**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

URTK 6 / UGSK 6 test disconnect and slide-type terminal blocks

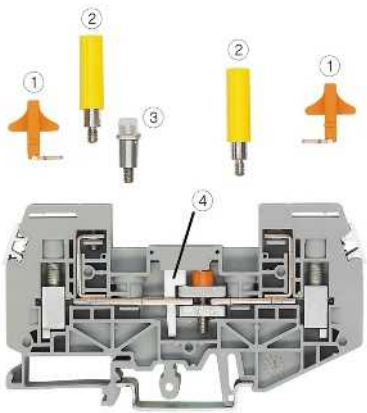


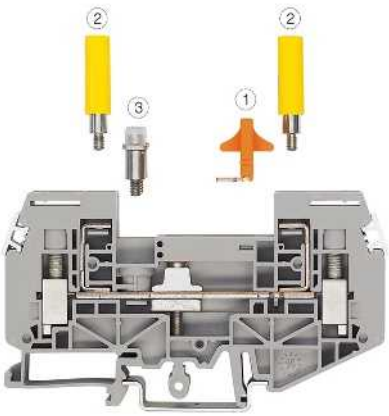


Notes:
For other test sockets, see page 637.
For corresponding AP-ME and AH-ME terminal strip covers, see Catalog 5.

– The URTK 6 test disconnect terminal block and the UGSK 6 slide-type terminal block were developed specifically for use in current transformer secondary circuits
– Can be fitted on both sides with fixed and switchable bridges as well as test sockets with a 4 mm diameter

– The extensive range of accessories of the URTK 6 test disconnect terminal blocks with spring-cage connection can also be used for the SRTK 6 test disconnect terminal blocks with screw connection
– For more information and technical data on the spring-cage connection versions, see page 257





– Only two URTK 6 test disconnect terminal blocks are required for a current transformer measuring circuit
– Less space required compared to creating circuits with slide-type terminal blocks

① SB... switch bar
② 4 mm Ø PSBJ-URTK 6... test sockets
③ FBRI 10-8 N fixed bridge for cross connection
④ S-URTK/SP switching lock

– Several measuring devices or protective relays can be connected individually using the UGSK 6 slide-type terminal block
– The slide can be connected with the switch bar depending on the switching tasks

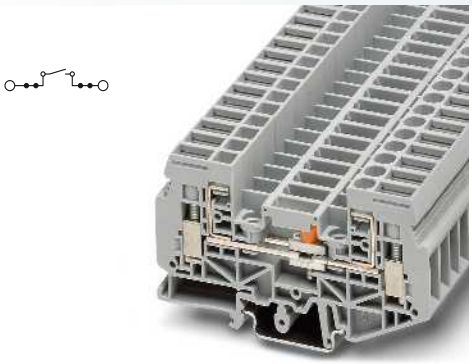
① SB... switch bar
② 4 mm Ø PSBJ-URTK 6... test sockets
③ FBRI 10-8 N fixed bridge for cross connection

Dimensions	
	[mm]
Dimensions	
	[mm]
Max. electrical data	

Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Terminal point: thread / torque	- / [Nm]
Disconnect slide: thread / torque	- / [Nm]
Torque: test socket, fixed bridge, switch bar	[Nm]
Insulating material	
Inflammability class according to UL 94	

Description	No. of pos.	Color
Test disconnect terminal block, for mounting on NS 35 ... and NS 32 ...		gray
Feed-through terminal block, for mounting on NS 32... or NS 35...		gray
Cover, width 2 mm		gray
Switching jumper, complete		
	2	orange
	3	orange
	4	orange
	10	orange
for bridging between non-adjacent terminals	10	orange
Fixed bridge, insulated		
	10	silver
Switching lock, excludes the possibility of an unintentional operation of the disconnect slide		white
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos.		black
4-pos.		black
Female test plug, insulated		transparent blue yellow green violet black
Screwdriver, for the terminal point		
Screwdriver, for the female test plug		

Lateral groove labeling



6 (10) mm², 57 A, test disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**91**	**51**	
Width	Length	Height NS 32	
8.2	**91**	**56**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57	**400**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	50 / -	-	-
6	-	-	-
20 - 8	26-8	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
			0.5 - 4
10			
M4 / 1.2 - 1.4			
M3 / 0.6 - 0.8			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
URTK 6		**3026272**	50

Accessories

D-URTK 6		**3026340**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	45 A	**2772080**	10
S-URTK/SP		**0311155**	50
KSSI 2-8		**3000722**	10
KSSI 4-8		**3000735**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
PSBJ-URTK 6 BK		**3026447**	10
SZS 1,0X4,0 VDE		**1205066**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)



6 (10) mm², 57 A, slide-type terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**91**	**51**	
Width	Length	Height NS 32	
8.2	**91**	**56**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57	**400**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	50 / -	-	-
6	-	-	-
20 - 8	26-8	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
			0.5 - 4
10			
M4 / 1.2 - 1.4			
M3 / 0.6 - 0.8			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UGSK 6		**3026285**	50

Accessories

D-URTK 6		**3026340**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	45 A	**2772080**	10
KSSI 2-8		**3000722**	10
KSSI 4-8		**3000735**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
PSBJ-URTK 6 BK		**3026447**	10
SZS 1,0X4,0 VDE		**1205066**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)



6 (10) mm², 57 A, feed-through terminal block, same shape

Technical data

Width	Length	Height NS 35/7,5	
8.2	**91**	**51**	
Width	Length	Height NS 32	
8.2	**91**	**56**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57	**400**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	50 / -	-	-
6	-	-	-
20 - 8	26-8	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
			0.5 - 4
10			
M4 / 1.2 - 1.4			
- / -			
0.6 - 0.8			
PA			
V0			

Ordering data

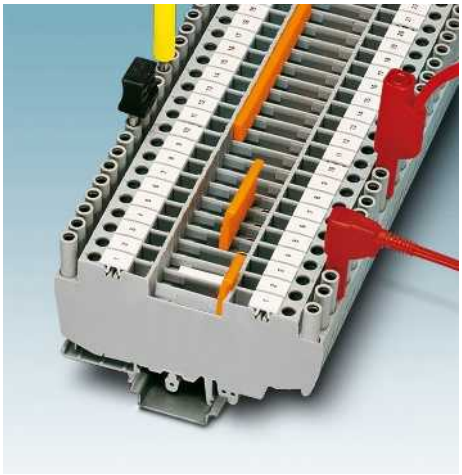
Type	I_{max}	Order No.	Pcs. / Pkt.
URDK 6		**3026706**	50

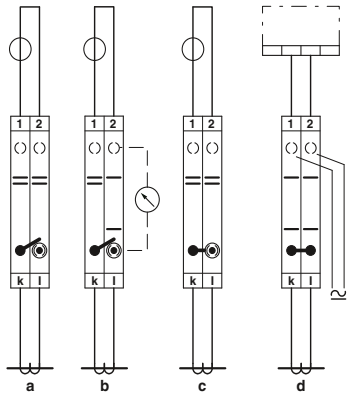
Accessories

D-URTK 6		**3026340**	10
SB 2-8-T	41 A	**3026366**	10
SB 3-8-T	41 A	**3026492**	10
SB 4-8-T	41 A	**3026379**	10
SB 10-8-T	41 A	**3026382**	10
SB 10-8-T SO	41 A	**3026395**	10
FBRI 10-8 N	45 A	**2772080**	10
KSSI 2-8		**3000722**	10
KSSI 4-8		**3000735**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
PSBJ-URTK 6 BK		**3026447**	10
SZS 1,0X4,0 VDE		**1205066**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

URTK/SP test disconnect terminal blocks



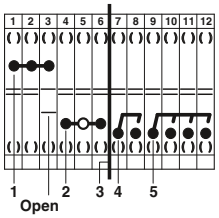


– The URTK/SP test disconnect terminal block should be used for all measurement and test work in the current transformer secondary circuits
– The terminal blocks can be equipped with fixed and switchable bridges on both sides
– Touch-proof test sockets with 4 mm diameter are already permanently integrated
– The URTKD/SP can be used as a feed-through terminal block of the same shape without a disconnect function

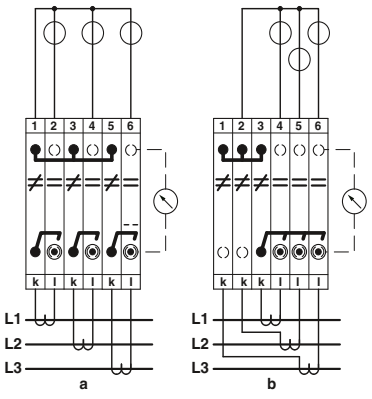
– The URTK/SP test disconnect terminal block and the SB 2–URTK/SP 2-pos. switching jumper can be used to perform all switching tasks per current transformer core

a Normal operation
b Measurement checking
c Transformer short circuit
d Relay checking

Test terminal block URTK/SP



	Type	Order no.
1	FBI 10-8	0202263
	FB 10-URTK/SP	0311663
2	ISSBI 10-8	0301534
	+ IS-K 10	1303337
3	ATP-URTK/SP	0311139
4	SB 2-URTK/SP	0360012
5	SB 4-URTK/SP	0360025

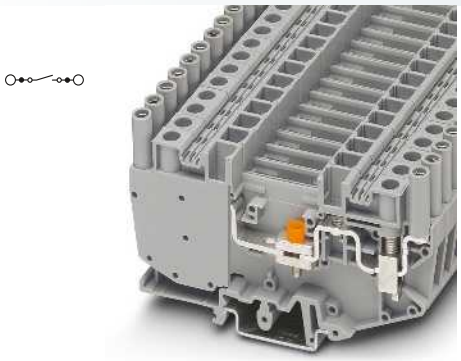


Circuit example

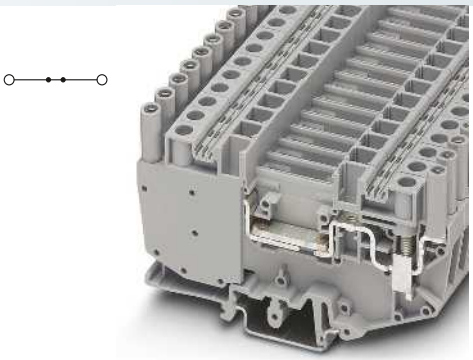
a Three-phase current transformer set
b Linked three-phase current transformer set

Dimensions	
	[mm]
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Two conductors (of the same type)	[mm²]
Two stranded conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Terminal point: thread / torque	- / [Nm]
Disconnect slide: thread / torque	- / [Nm]
Insulating material	
Inflammability class according to UL 94	

Description	No. of pos.	Color
Test disconnect terminal block, for mounting on NS 35 ... and NS 32 ...		gray
Feed-through terminal block, for mounting on NS 32... or NS 35...		gray
Fixed bridge, insulated	10	silver
Fixed bridge, for cross connections on both sides of the disconnect point, insulated, divisible, with 10 screws	10	silver
Switching jumper for 2 terminal blocks, for use on both sides of the disconnect point, inward switching movement, with 2 screws	2	silver
	4	silver
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver
Bridge bar isolator, as distance piece for isolator bridge bar		gray
Switching lock, excludes the possibility of an unintentional operation of the disconnect slide		white
Partition plate, 2 mm width		gray
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos.		black
4-pos.		black
Screwdriver		
Lateral groove labeling		



6 (10) mm², 50 A, test disconnect terminal block



6 (10) mm², 50 A, feed-through terminal block, same shape



Short-circuit plug

CCA

Technical data

Width	Length	Height NS 35/7,5	
8.2	**99.5**	**59**	
Width	Length	Height NS 32	
8.2	**99.5**	**64**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
50	**500**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	300	-
41 / 6	45 / -	45 / -	-
6	-	-	-
20 - 8	26-8	26-8	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
			0.5 - 4
11			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
URTK/SP		**0311126**	50

Accessories

FBI 10- 8	50 A	**0203263**	10
FB 10- URTK/SP	50 A	**0311663**	10
SB 2-URTK/SP	35 A	**0360012**	10
SB 4-URTK/SP	35 A	**0360025**	10
ISSBI 10- 8	35 A	**0301534**	10
IS-K 10		**1303337**	100
S-URTK/SP		**0311155**	50
ATP-URTK/SP		**0311139**	10
SZS 1,0X4,0 VDE		**1205066**	10

ZB 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**99.5**	**59**	
Width	Length	Height NS 32	
8.2	**99.5**	**64**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
50	**500**	**0.5 - 10**	**20 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	-	-	-
41 / 6	- / -	-	-
6	-	-	-
20 - 8	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
			0.5 - 4
11			
M4 / 1.5 - 1.8			
- / -			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
URTKD/SP		**0311142**	50

Accessories

FBI 10- 8	50 A	**0203263**	10
FB 10- URTK/SP	50 A	**0311663**	10
SB 2-URTK/SP	35 A	**0360012**	10
SB 4-URTK/SP	35 A	**0360025**	10
ISSBI 10- 8	35 A	**0301534**	10
IS-K 10		**1303337**	100
ATP-URTK/SP		**0311139**	10
SZS 1,0X4,0 VDE		**1205066**	10

ZB 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
16.2	**11**	**-**	
Width	Length	Height NS 32	
16.2	**11**	**-**	
		max. Ø [mm²]	AWG
		-	**-**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
-	-	-	-
-	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
-	-	-	-
-	-	-	-
-			
- / -			
- / -			
PA-F			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
KSSI 2-8	**3000722**	10
KSSI 4-8	**3000735**	10

Accessories

UKK ... double-level diode terminal blocks

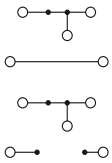
– Double-level diode terminal blocks with various forms of wiring are available for a huge range of applications
– Electronic components can be individually soldered with UKK 5−BE

Notes:

[1]) Integrated: rectifier module B 250 C 1500, reverse voltage: 600 V, nominal voltage: 250 V, nominal current: 1.5 A.

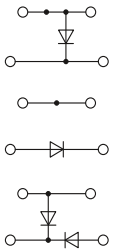
[2]) Max. installation width of components to be soldered in: 5 mm

[3]) Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.





4 (4) mm², 32 A, double-level terminal block for soldering in components





4 (4) mm², 32 A, double-level diode terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**56**	**62**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**56**	**67**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		32	**500**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	-	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	- / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**56**	**62**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**56**	**67**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		32	**500**	**0.2 - 4**	**24 - 12**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	26-10	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for soldering in a component from top to bottom[2])		gray	**UKK 5-BE**		**3048027**	50
Terminal block, for soldering in a component from top to bottom left and from bottom right to bottom left[2])		gray	**UKK 5-2 BE**		**3048030**	50
Terminal block, with integrated 1N 4007 diode, conducting from top to bottom[3])		gray				
Terminal block, with integrated 1N 4007 diode, conducting from bottom to top[3])		gray				
Terminal block, with integrated 1N 4007 diode, conducting from bottom left to bottom right[3])		gray				
Terminal block, with two integrated 1N 4007 diodes, conducting from top to bottom left and from top to bottom right or from bottom right to bottom left[1])		gray				

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKK 5-DIO/O-U		**2791016**	50
UKK 5-DIO/U-O		**2791032**	50
UKK 5-DIO/UL-UR		**2791029**	50
UKK 5-2DIO/O-UL/UR-UL		**2791113**	50

Accessories

Cover, width 2.5 mm		gray	**D-UKK 3/5**		**2770024**	50
Spacer plate, compensates for level offsets, width 2.5 mm		gray	**DP-UKK 3/5**		**2770794**	50
Fixed bridge, insulated	10	silver	**FBI 10- 6**	32 A	**0203250**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**ZB 6 (see Catalog 5)**			

Accessories

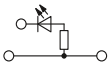
Type		Order No.	Pcs. / Pkt.
D-UKK 3/5		**2770024**	50
DP-UKK 3/5		**2770794**	50
FBI 10- 6	32 A	**0203250**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
ZB 6 (see Catalog 5)			

UKK ... double-level terminal blocks with light indicator

– The integrated light indicator in UKK 5-LA ... indicates the voltage condition of the lower feed-through level
– Available in three voltage levels up to 250 V

Notes:

1) The operating voltage is determined by the LED version.





4 (4) mm², 32 A, double-level terminal block with LED

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**6.2**	**56**	**62**	
Dimensions	Width	Length	Height NS 32	
[mm]	**6.2**	**56**	**67**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	32	**500¹)**	**0.2 - 4**	**24 - 12**
Rated data	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500¹)	600	-	-
Nominal current / cross section [A] / [mm²]	32 / 4	20 / -	-	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 12	26-10	-	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type) [mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 1.5
General data				
Stripping length [mm]	8			
Screw thread	M3			
Tightening torque [Nm]	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Double-level terminal block, with light indicator for 12 - 30 V DC, 0.7 - 2.4 mA		gray	**UKK 5-LA 24 RD/U-O**		**2791320**	50
With light indicator for 30-60 V DC, 0.8-1.8 mA		gray	**UKK 5-LA 60 RD/U-O**		**2791333**	50
With light indicator for 110-250 V AC/DC, 0.1-0.5 mA		gray	**UKK 5-LA230**		**2791359**	50

Accessories

Cover, width 2.5 mm		gray	**D-UKK 3/5**		**2770024**	50
Spacer plate, compensates for level offsets, width 2.5 mm		gray	**DP-UKK 3/5**		**2770794**	50
Fixed bridge, insulated	10	silver	**FBI 10- 6**	32 A	**0203250**	10
Insertion bridge, insulated	2	gray	**EB 2- 6**	28 A	**0201155**	100
	3	gray	**EB 3- 6**	28 A	**0201142**	100
	10	gray	**EB 10- 6**	28 A	**0201139**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6**	24 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		**1302338**	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Partition plate, 2.5 mm wide		gray	**ATP-UKK 3/5**		**2778521**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**ZB 6 (see Catalog 5)**			

UDK ... component terminal blocks

Notes:
Maximum width of components to be soldered in: 5 mm
1) The current is determined by the component used.





4 (6) mm², feed-through terminal block, 4 connections, with differential voltage resistor

- The constant current circuits common in process automation transmit the measured values as a load-independent current of 0(4) - 20 mA
- A voltage signal pick-off can be implemented in the measuring line using this terminal block, thus allowing the signal to be used as an analog signal for process computers
- The four-conductor connection permits convenient wiring
- The lower level is assigned to the measuring line while the upper level is used for voltage pick-off via the 249 Ω resistor

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**63.5**	**47**
Dimensions		Width	Length	Height NS 32
	[mm]	**6.2**	**63.5**	**52**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
			630	**0.2 - 6** / **24 - 10**

Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	630	-	600	-
Nominal current / cross section	[A] / [mm²]	32¹) / 4	- / -	10 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 10	-	22-10	-
Connection capacity		solid	stranded	Ferrule	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
Max. cross section with insertion bridge	[mm²]	2.5	2.5		
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Differential voltage terminal block, for self-soldering a resistor		gray	**UDK 4-DUR**		**2775207**	50
With built-in resistor 249 Ω/ ± 1%/ 1 W		gray	**UDK 4-DUR 249**		**2775249**	50

Accessories

Cover, width 1.5 mm		gray	**D-UDK 4**		**2775113**	50
Fixed bridge, insulated						
	10	silver	**FBI 10- 6**	32 A	**0203250**	10
Insertion bridge, insulated						
	2	gray	**EB 2- 6**	26 A	**0201155**	100
	3	gray	**EB 3- 6**	26 A	**0201142**	100
	10	gray	**EB 10- 6**	26 A	**0201139**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**						
	10	silver	**ISSBI 10- 6**	32 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		**1302338**	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**ZB 6 (see Catalog 5)**			

UDK ... light indicator terminal blocks for voltage and current

UDK 4−ULA ...

– An LED indicates the potential status of the feed-through circuit line
– The LED return conductor is implemented with an RS busbar and UDK 4−ULA/EK power terminal block

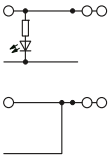
UDK 4−ILA ...

– For current range of between 4 and 1000 mA
– If a load current flows through the load, this is indicated by the LED

Notes:

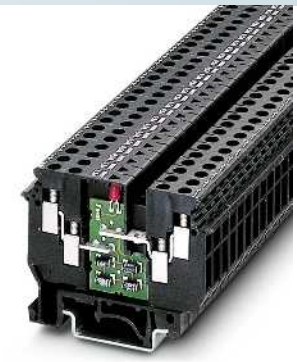
[1]) Note load current diagram, see www.phoenixcontact.net/products

[2]) To neighboring terminal blocks





4 (6) mm², 32 A, feed-through terminal block, 3 connections, with voltage indicator



4 (6) mm², 0.5 A, feed-through terminal block, 4 connections, with current indicator up to 1000 mA

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**6.2**	**63.5**	**47**	
Dimensions	Width	Length	Height NS 32	
[mm]	**6.2**	**63.5**	**52**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	32	**500[2])**	**0.2 - 6**	**24 - 10**
Rated data	IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500[2])	600	600	-
Nominal current / cross section [A] / [mm²]	32 / 4	30 / -	25 / -	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 10	30-10	22-12	-
Connection capacity	solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor [mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
Two conductors (of the same type) [mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 2.5
Max. cross section with insertion bridge [mm²]	2.5	2.5		
General data				
Stripping length [mm]	8			
Screw thread	M3			
Tightening torque [Nm]	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V2			

Technical data

Width	Length	Height NS 35/7,5		
6.2	**63.5**	**47**		
Width	Length	Height NS 32		
6.2	**63.5**	**52.5**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
0.5[1])	**500**	**0.2 - 6**	**24 - 10**	
IEC	UL/CUL	CSA	IEC/ EN 60079-7	
500	600	600	-	
0.5 / 4	0.5 / -	0.5 / -	-	
4	-	-	-	
24 - 10	30-10	22-10	-	
solid	stranded	Ferrule	Without / with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5	
0.2 - 1	0.2 - 1.5	0.25 - 1.5	-	
			0.5 - 2.5	
2.5	2.5			
8				
M3				
0.5 - 0.6				
PA				
V2				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Voltage indicator terminal block, for mounting on NS 32... or NS 35..., with light indicator for 15-30 V DC		gray	**UDK 4-ULA 24 RD/O-U**		**2775045**	50
With LED for 30-60 V DC		gray	**UDK 4-ULA 48 RD/O-U**		**2775032**	50
With LED for 110-230 V AC/DC		gray	**UDK 4-ULA 230**		**2775058**	50
Power terminal block, for connecting the reference potential to the return busbar RS, $I_{max.}$ 2 A		blue	**UDK 4-ULA/EK**		**2775029**	50
Return busbar, engaged in terminal block and led parallel to terminal strip, length: 1 m, Ø 3 mm		silver	**RS**		**2775126**	1
Current indicator terminal block, for mounting on NS 32... or NS 35..., displays the current flow of an auxiliary current circuit using the LED		black				
For load current 300 ... 1000 mA[1])		black				

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UDK 4-ILA 500		**2775061**	50
UDK 4-ILA 1000		**2775087**	50

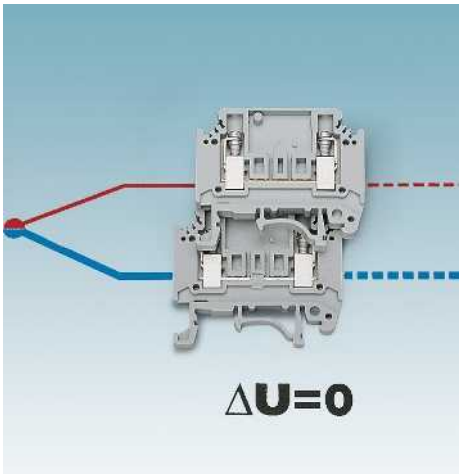
Accessories

Cover, width 1.5 mm		gray	**D-UDK 4**	**2775113**	50
Fixed bridge, insulated	10	silver	**FBI 10- 6** 32 A	**0203250**	10
Insertion bridge, insulated	2	gray	**EB 2- 6** 26 A	**0201155**	100
	3	gray	**EB 3- 6** 26 A	**0201142**	100
	10	gray	**EB 10- 6** 26 A	**0201139**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**	**2770215**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Lateral groove labeling			**ZB 6 (see Catalog 5)**		

Accessories

D-UDK 4		**2775113**	50
FBI 10- 6	32 A	**0203250**	10
EB 2- 6	26 A	**0201155**	100
EB 3- 6	26 A	**0201142**	100
EB 10- 6	26 A	**0201139**	10
TS-KK 3		**2770215**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
ZB 6 (see Catalog 5)			

MTKD-... thermoelectric voltage terminal block pair



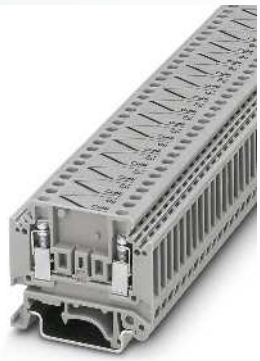
– These special terminal blocks are used to extend thermocouple equalizing conductors in corresponding measuring circuits
– The equalizing conductors are made of materials which, up to temperatures of 200°C, have the same thermal characteristics as the corresponding thermocouples
– This ensures that no false thermoelectric voltages result at the junctions of the thermocouple/terminal block/equalizing conductor and that the basic values according to EN 60584/DIN EN 60584 are adhered to

Notes:

For table for selecting thermoelectric voltage terminal blocks, visit www.phoenixcontact.net/products

[1]) Voltage to the neighboring MTK feed-through terminal block.





2.5 (4) mm², feed-through terminal block pair

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**10.4**	**46**	**40**
Dimensions		Width	Length	Height NS 32
	[mm]	**10.4**	**46**	**45**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		1	**400[1])**	**0.2 - 4** / **24 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[1])	300	-	-
Nominal current / cross section	[A] / [mm²]	1	10 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	28-12	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	-	-
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

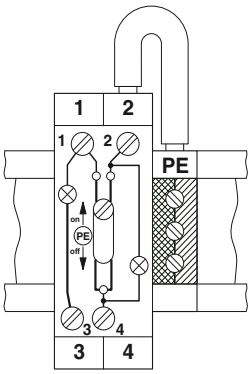
Description	Color	Type	Order No.	Pcs. / Pkt.
Thermocouple terminal block pair for CU/CUNI44, Copper/constantan, USA type **T**	gray	**MTKD-CU/CUNI**	**3100059**	50
Thermocouple terminal block pair for FE/CUNI44, Iron/constantan, USA type **J**	gray	**MTKD-FE/CUNI**	**3100046**	50
Thermocouple terminal pair for NICR/CUNI44, Nickel-chrome/constantan, USA type **E**	gray	**MTKD-NICR/CUNI**	**3100075**	50
Thermocouple terminal block pair for NICRSI/NISI Nickel-chrome silicon/nickel silicon, USA type **N**	gray	**MTKD-NICRSI/NISI**	**5043321**	50
Thermocouple terminal pair for NICR/NI, Nickel-chrome/Nickel, USA type **K**	gray	**MTKD-NICR/NI**	**3100062**	50
Thermocouple terminal block pair for E-CU/A-CU, Copper/Copper nickel, USA type **R**	gray	**MTKD-E-CU/A-CU**	**3100091**	50
Thermocouple terminal block pair for S-CU/E-CU, S-copper/copper, USA type **B**	gray	**MTKD-S-CU/E-CU**	**3100101**	50

Accessories

Cover, width 1 mm	gray	**D-MTK**	**3101029**	50
Partition plate, for visual and electrical separation of terminal groups, 1.0 mm thick	gray	**ATS-MTK**	**3101223**	50
Screwdriver		**SZS 1,0X4,0 VDE**	**1205066**	10
Lateral groove labeling		**ZB 10 (see Catalog 5)**		

GTF 76 ground disconnect terminal block







6 (10) mm², 57 A, ground disconnect terminal block

EN 60204-1/VDE 0113-1 "Electrical equipment of machines", Section 9.4.3.1 states:

"Ground faults in a control circuit may not lead to an unintentional start-up, to potentially dangerous movements or prevent the stopping of a machine."

- The GTF 76 ground disconnect terminal block conveniently solves this problem
- When the disconnect slide is closed, switch position "on", the yellow light signals grounded normal operation
- Once the disconnect slide has been opened to the "off" position, the red light indicates whether there is a ground fault in the control circuit

Note:

- Asymmetries in the cable insulation mean that the red display may easily light up even when there is no ground fault if the disconnect slide is open. This has no impact on functionality and does not affect the protective measure demanded in the VDE requirements.

Note:

- During insulation testing according to EN 60204−1/VDE 0113−1, the GTF 76 should be disconnected or bridged as otherwise the light indicator will be destroyed or a short circuit will occur

Notes:

[1]) 250 V for GTF 76/230

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		22.5	**64.5**	**54**
Dimensions		Width	Length	Height NS 32
	[mm]	**22.5**	**64.5**	**59**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		57	**110[1])**	**0.5 - 10** / **20 - 8**

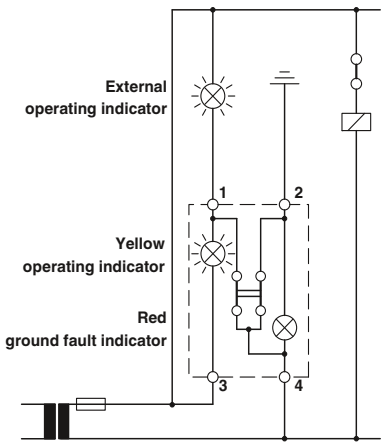
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	110[1])	250	-	-
Nominal current / cross section	[A] / [mm²]	41 / 6	50 / -	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	20 - 8	26-8	-	-
Connection capacity		solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 10	0.5 - 4
Two conductors (of the same type)	[mm²]	0.5 - 6	0.5 - 6	0.5 - 6	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 4
General data					
Stripping length	[mm]	12			
Screw thread		M4			
Tightening torque	[Nm]	1.2 - 1.5			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

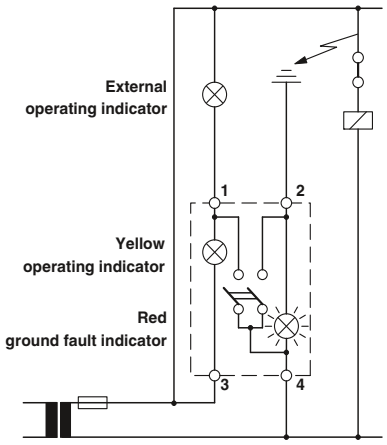
Description	Color	Type	Order No.	Pcs. / Pkt.
Basic disconnect terminal block, for mounting on NS 32..., NS 35... or NS 35/15-2,3 for 110-250 V AC/DC, current: 0.5-1 mA	gray	**GTF 76/230**	**3121012**	10
Basic disconnect terminal block, for mounting on NS 32..., NS 35... or NS 35/15-2,3 for 24-48 V AC/DC, current: 3.5-8 mA	gray	**GTF 76/ 48**	**3121025**	10

Accessories

Screwdriver	**SZS 1,0X4,0 VDE**	**1205066**	10
Lateral groove labeling	**ZB 10 (see Catalog 5)**		



Grounded operating mode



Ground fault

UVKB ... and UHK ... feed-through terminal blocks with spade connection



UVKB terminal blocks

– The front spade connection is the optimum wiring design for tight spaces and if cable ducts need moving close to the terminal strip
– The housing walls only protrude slightly beyond the metal parts because it is assumed that fully-insulated plug-in sleeves are connected
– The slotted plugs allow a fully-insulated or two bare 2.8 mm plug-in sleeves to be slid on in place of one 6.3 mm flat plug-in sleeve

UHK terminal blocks

Owing to the characteristic arrangement of three flat plugs on each terminal block side, UHK ... terminal blocks prove to be advantageous in technical applications:
– Economical use of terminal blocks and bridge connections
– Comfortable operation, i.e., free view of the plugs, good plug accessibility and quick connection check
– The marking is easily visible due to the smart wire guiding in the lateral cable ducts
– Reading the marking from the front

Notes:

For corresponding slip-on sleeves, see Catalog 5.

[1]) Current and voltage data for spade connections according to en 61210 also depends on the nominal size, material, insulation of the slip-on sleeve, and conductor cross section.





4 (4) mm², 32 A, feed-through terminal block, with screw and spade connection

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**6.2**	**68**	**44**
Dimensions		Width	Length	Height NS 32
	[mm]	**6.2**	**68**	**49**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		29[1])	**500[1])**	**0.2 - 4 / 24 - 12**
Rated data		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500[1])	300	- / -
Nominal current / cross section	[A] / [mm²]	29[1]) / 4	25 / -	- / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 12	28-12	- / -
Connection capacity of screw connection		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4 / 0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			- / 0.5 - 2.5
Max. cross section with insertion bridge	[mm²]	4	4	
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35..., with slotted 6.3/2.8 mm flat plugs[1])		gray	**UVKB 4-FS(6-2,8-0,8)**		**1954016**	50

Accessories

Cover, width 2.2 mm		gray	**D-UVKB 4**		**1920024**	50
Cover, width 2.3 mm		gray				
Fixed bridge, insulated	10	silver	**FBI 10- 6**	24 A	**0203250**	10
Insertion bridge, insulated	2	gray	**EB 2- 6**	24 A	**0201155**	100
	3	gray	**EB 3- 6**	24 A	**0201142**	100
	10	gray	**EB 10- 6**	24 A	**0201139**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6**	24 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		**1302338**	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-K**		**1302215**	50
Partition plate, for visual and electrical separation of terminal groups, 2.3 mm thick		gray				
Test socket		silver	**PSB 3/10/4**		**0601292**	10
Test socket, insulated, can be used only with FBI and ISSBI		silver	**PSBJ 3/13/4**		**0201304**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Center groove labeling			**ZB 6 (see Catalog 5)**			



4 (6) mm², 32 A, feed-through terminal block, with spade connection



4 (4) mm², 40 A, feed-through terminal block, with screw and spade connection



40 A, feed-through terminal block, with spade connection

Technical data

Width	Length	Height NS 35/7,5	
6.2	**68**	**44**	
Width	Length	Height NS 32	
6.2	**68**	**49**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32[1])	**800[1])**	**0.5 - 6**	**20 - 10**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800[1])	300	-	-
32[1]) / 4	25 / -	-	-
4	-	-	-
20 - 10	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 6	0.5 - 6	-	-
-	-	-	-
-			
-			
-			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UVKB 4-FS/FS(8-2,8-0,8)		**1953017**	50

Accessories

D-UVKB 4		**1920024**	50
FBI 10- 6	24 A	**0203250**	10
ISSBI 10- 6	24 A	**0301505**	10
IS-K 4		**1302338**	100
TS-K		**1302215**	50
PSB 3/10/4		**0601292**	10
PSBJ 3/13/4		**0201304**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**54**	**51.5**	
Width	Length	Height NS 32	
6.2	**54**	**56.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
40[1])	**800[1])**	**0.2 - 4**	**24 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800[1])	250	600	-
32[1]) / 4	25 / -	20 / -	-
4	-	-	-
24 - 12	28-12	28-14	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 2.5
4	4		
9			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UHK 4-FS(8-2,8-0,8)		**2017237**	50

Accessories

D-HK 4		**2002022**	50
EB 2- 6	30 A	**0201155**	100
EB 3- 6	30 A	**0201142**	100
EB 10- 6	30 A	**0201139**	10
D-UVK 4		**1922022**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**54**	**51.5**	
Width	Length	Height NS 32	
6.2	**54**	**56.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
40[1])	**800[1])**	**0.5 - 6**	**20 - 10**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800[1])	250	600	-
40[1])	25 / -	20 / -	-
-	-	-	-
20 - 10	-	22-14	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 6	0.5 - 6	-	-
-	-	-	-
-			
-			
-			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UHK 4-FS/FS(12-2,8-0,8)	**2017224**	50

Accessories

D-HK 4	**2002022**	50
D-UVK 4	**1922022**	50

ZB 6 (see Catalog 5)

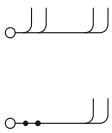
VBST ... and PVB ... feed-through terminal blocks with spade connection

– The particular feature of the VBST 4–FS (6–2,8–0,8) is its gold-plated contact pin, which serves as a way of inserting a 10-pos. module plug
– The terminal block therefore also has the function of a plug-in coupling which can be used to connect individual controller modules with the terminal strip in a flash

Notes:

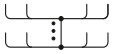
[1]) Current and voltage data for slip-on connections in acc. with EN 61210 are also dependent on nominal size, material, insulation of the receptacle and conductor cross section.

[2]) Nominal current of the module plug per position: 13 A.





2.5 (4) mm², 32 A, feed-through terminal block, with screw and spade Connection





4 (6) mm², 30 A, equipotential bonder terminal block base with spade connection

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**72**	**39.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		32[2])	**800[1])**	**0.2 - 4**	**24 - 12**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800[1])	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	- / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	-	-	-
Connection capacity of screw connection		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 4	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	2.5	2.5		
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Technical data

Width	Length	Height NS 35/7,5		
17	**80**	**43.5**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
30[1])	**800[1])**	**0.5 - 6**	**20 - 10**	
IEC	UL/CUL	CSA	IEC/ EN 60079-7	
800[1])	-	-	-	
30[1]) / 4	- / -	-	-	
4	-	-	-	
20 - 10	-	-	-	
solid	stranded	Ferrule Without / with plastic sleeve		
0.5 - 6	0.5 - 6	-	-	
-	-	-	-	
-				
-				
-				
PA				
V2				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35..., with three slotted 6.3/2.8 mm flat plugs		gray	**VBST 4-FS(6-2,8-0,8)**		**0852012**	50
Terminal block, for mounting on NS 35..., with two slotted 6.3/2.8 mm flat plugs and double function shaft for FBS ...6 plug-in bridges		gray	**VBSTB 4-FS (6-2,8-0,8)**		**3070435**	50
Equipotential bonder, for mounting on NS 35..., with slotted 6.3/2.8 mm flat plugs, 8 slots, terminal width: 17 mm		gray				
Equipotential bonder, for mounting on NS 35..., with slotted 6.3/2.8 mm flat plugs, 12 slots, terminal width: 23.2 mm		gray				
Equipotential bonder, for mounting on NS 35..., with slotted 6.3/2.8 mm flat plugs, 20 slots, terminal width: 35.6 mm		gray				
Equipotential bonder, for mounting on NS 35..., with slotted 6.3/2.8 mm flat plugs, 40 slots, terminal width: 66.6 mm		gray				

Ordering data

Type	Order No.	Pcs. / Pkt.
PVB 2	**0870023**	10
PVB 3	**0870036**	10
PVB 5	**0870052**	10
PVB10	**0870120**	5

Accessories

Cover and **partition plate,** width 2.2 mm		gray	**D/TP-VBS**	**0851026**	50
Insertion bridge, insulated					
	2	gray	**EB 2- 6** 24 A	**0201155**	100
	3	gray	**EB 3- 6** 24 A	**0201142**	100
	10	gray	**EB 10- 6** 24 A	**0201139**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Center groove labeling			**ZB 6 (see Catalog 5)**		

Accessories

ZB 6 (see Catalog 5)		

USK ... feed-through terminal blocks with spade connection

Notes:

For corresponding slip-on sleeves, see Catalog 5.

[1]) Current and voltage data for spade connections according to EN 61210 also depends on the nominal size, material, insulation of the slip-on sleeve, and conductor cross section.



4 (4) mm², 32 A, feed-through terminal block, with screw and spade connection



4 (6) mm², 32 A, feed-through terminal block, with spade connection

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**42.5**	**45.5**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**42.5**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		32[1])	**800[1])**	**0.2 - 4**	**24 - 12**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800[1])	600	600	-
Nominal current / cross section	[A] / [mm²]	32[1]) / 4	20 / -	20 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	28-12	28-12	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
Max. cross section with insertion bridge	[mm²]	2.5	2.5		
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Technical data

Width	Length	Height NS 35/7,5		
6.2	**42.5**	**45.5**		
Width	Length	Height NS 32		
6.2	**42.5**	**50.5**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
32[1])	**800[1])**	**0.5 - 6**	**20 - 10**	
IEC	UL/CUL	CSA	IEC/ EN 60079-7	
800[1])	600	600	-	
32[1]) / 4	20 / -	20 / -	-	
4	-	-	-	
20 - 10	-	-	-	
solid	stranded	Ferrule Without / with plastic sleeve		
0.5 - 6	0.5 - 6	-	-	
-	-	-	-	
9				
M3				
0.6 - 0.8				
PA				
V2				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**USK 4-FSR(4-2,8-0,8)**		**0270018**	50
Terminal block, for mounting on NS 32... or NS 35..., with slotted 6.3/2.8 mm flat plugs		gray				

Ordering data

Type	Order No.	Pcs. / Pkt.
USK 4-FS/FS(8-2,8-0,8)	**0271017**	50

Accessories

Cover, width 1.3 mm		gray	**D-USK 4/10**	**0260028**	50
Insertion bridge, insulated					
	2	gray	**EB 2- 6** 24 A	**0201155**	100
	3	gray	**EB 3- 6** 24 A	**0201142**	100
	10	gray	**EB 10- 6** 24 A	**0201139**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Center groove labeling			**ZB 6 (see Catalog 5)**		

Accessories

D-USK 4/10	**0260028**	50
ZB 6 (see Catalog 5)		

VKK ... double-level terminal block with screw/spade connection



- This terminal block has both screw connections and spade connections for 6.3 mm or 2.8 mm plug-in sleeves
- The STG ...-VKK multiple-position module connector can also be attached with directional coding on both levels and on both connection sides (in place of the 2.8 mm plug-in sleeves)
- Design width of 7.62 mm, corresponding to pitch of multiple-position module plug
- Improved view and accessibility to the lower level
- The outgoing cables can be arranged on the flat plug side in the guide lugs
- The housing has angled slots into which the flat plug potential bar can be inserted
- Group labeling and/or formation of sections can be undertaken with group labeling plate SAD−VKK 4
- Supplied interlocked, i.e., as quick-mounting blocks of 10 which can be snapped onto the NS 35/7,5 DIN rail

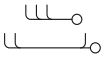
Notes:

For operating current of module socket contacts STG-MTN depending on ambient temperature, see www.phoenixcontact.net/products

For corresponding slip-on sleeves, see Catalog 5.

1) Current and voltage data for spade connections according to EN 61210 also depends on the nominal size, material, insulation of the slip-on sleeve, and conductor cross section.

2) The nominal voltage amounts to 250 V when using the potential busbar S-FS(2,8x0,8).





4 (4) mm², 30 A, double-level terminal block with screw and spade connection

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		7.6	101	55.5
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		30[1])	400[2])	0.2 - 4 / 24 - 12

Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[2])	-	-	-
Nominal current / cross section	[A] / [mm²]	30[1]) / 4	- / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	-	-	-

Connection capacity of screw connection		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5

General data		
Stripping length	[mm]	7
Screw thread		M3
Tightening torque	[Nm]	0.6 - 0.8
Insulating material		PA
Inflammability class according to UL 94		V2

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Double-level terminal block, for mounting on NS 35...		gray	**VKK 4-FS**	**0891015**	50

Accessories

Module plug housing, for fitting the STG-MTN module socket contacts	8	gray	**STG 8-VKK4**	**3190386**	50
Module socket contact, 0.5 - 1 mm²					
For conductors from 0.5 ... 1.0 mm²		silver	**STG-MTN 0,5-1,0**	**3190438**	100
For conductors from 1.5 ... 2.5 mm²		silver	**STG-MTN 1,5-2,5**	**3190506**	100
Group marker plate, for group marking with 2 type ...6 labels,, 1.5 mm thick		gray	**SAD-VKK 4**	**1002049**	50
Busbar, with slotted 6.3/2.8 mm flat plugs, brass, tin-plated, length: 1 m			**S-FS (2,8X0,8)**	**3191699**	1
Strain relief, for STG 8-position plug housings, with single-sided coupling spring		black	**STGZ BK**	**3193134**	10
Contact removal tool, for removing the module socket contacts		gray	**STG-EW**	**3190441**	1
Crimping pliers, for rolled contacts 0.5 - 2.5 mm², four labeled countersunk stations, unlockable pressure lock, side entry, for STG-MTN module and socket contacts too		black	**CRIMPFOX MT 2,5**	**1204038**	1
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Center groove labeling			**ZB 7,62 (see Catalog 5)**		

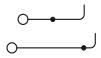
UKK ... double-level terminal blocks with screw/spade connection

Notes:

Important note:
The notched partition plate must be removed to bridge the terminal blocks.

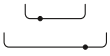
For corresponding slip-on sleeves, see Catalog 5.

[1]) Current and voltage data for spade connections according to EN 61210 also depends on the nominal size, material, insulation of the slip-on sleeve, and conductor cross section.





4 (4) mm², 20 A, double-level terminal block with screw and spade connection





4 (6) mm², 20 A, double-level terminal block with spade connection

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**72**	**59**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**72**	**64**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		20[1])	**400[1])**	**0.2 - 4**	**24 - 12**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[1])	300	-	-
Nominal current / cross section	[A] / [mm²]	20[1]) / 4	20 / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	30-10	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	4	2.5		
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Technical data

Width	Length	Height NS 35/7,5		
6.2	**72**	**59**		
Width	Length	Height NS 32		
6.2	**72**	**64**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
20[1])	**400[1])**	**0.5 - 6**	**20 - 10**	
IEC	UL/CUL	CSA	IEC/ EN 60079-7	
400[1])	300	-	-	
20[1]) / 4	20 / -	-	-	
4	-	-	-	
20 - 10	-	-	-	
solid	stranded	Ferrule Without / with plastic sleeve		
0.5 - 6	0.5 - 6	-	-	
-	-	-	-	
-				
-				
-				
PA				
V0				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Double-level terminal block, with disconnect knife, for mounting on NS 32... or NS 35..., with screw connection and slotted 6.3/2.8 mm flat plugs		gray	**UKK 4-FS**		**2770561**	50
Double-level terminal block, with disconnect knife, for mounting on NS 32... or NS 35..., with slotted 6.3/2.8 mm flat plugs on both sides		gray				

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKK 4-FS/FS		**2771133**	50

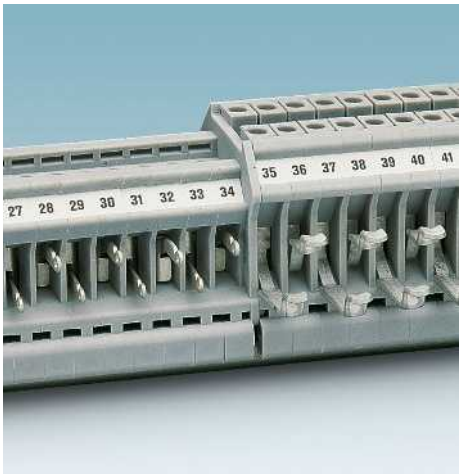
Accessories

Cover, width 1.5 mm		gray	**D-UKK 4**		**2770558**	50
Fixed bridge, insulated	10	silver	**FBI 10- 6**	20 A	**0203250**	10
Insertion bridge, insulated	2	gray	**EB 2- 6**	20 A	**0201155**	100
	3	gray	**EB 3- 6**	20 A	**0201142**	100
	10	gray	**EB 10- 6**	20 A	**0201139**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6**	20 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		**1302338**	100
Test socket		silver	**PSB 3/10/4**		**0601292**	10
Test socket, insulated, can be used only with FBI and ISSBI		silver	**PSBJ 3/13/4**		**0201304**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**ZB 6 (see Catalog 5)**			

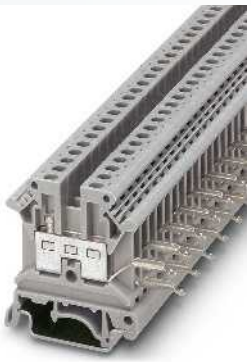
Accessories

Type	I_{max}	Order No.	Pcs. / Pkt.
D-UKK 4		**2770558**	50
FBI 10- 6	20 A	**0203250**	10
ISSBI 10- 6	20 A	**0301505**	10
IS-K 4		**1302338**	100
PSB 3/10/4		**0601292**	10
PSBJ 3/13/4		**0201304**	10
ZB 6 (see Catalog 5)			

UK ... feed-through terminal block with screw/solder connection



- The soldering tags have a 1.2 mm diameter hole on their outside in which the solid connection conductor up to 2.5 mm² can be inserted and soldered on with strain relief
- A notch simplifies the process of wrapping a thin connection conductor or connecting bridges with neighboring terminal blocks
- When soldering, the design of the soldering tabs as a narrow thermal point with a low thermal capacity reduces the flow of heat to the inner metal parts, which is essential to smooth solder connections
- Test socket hole for 2.3 mm diameter test plugs



4 (4) mm², 24 A, feed-through terminal block, with screw and solder connection

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**6.2**	**56**	**47**	
Dimensions	Width	Length	Height NS 32	
[mm]	**6.2**	**56**	**52**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	24	**500**	**0.2 - 4**	**24 - 12**
Rated data	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	250	-	-
Nominal current / cross section [A] / [mm²]	24 / 4	25 / -	-	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 12	28-12	-	-
Connection capacity of screw connection	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type) [mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 1.5
Max. cross section with insertion bridge [mm²]	2.5	2.5		
Connection capacity solder connection	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.2 - 2.5	0.2 - 1.5	-	-
General data				
Stripping length [mm]	13			
Screw thread	M3			
Tightening torque [Nm]	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V2			

Ordering data

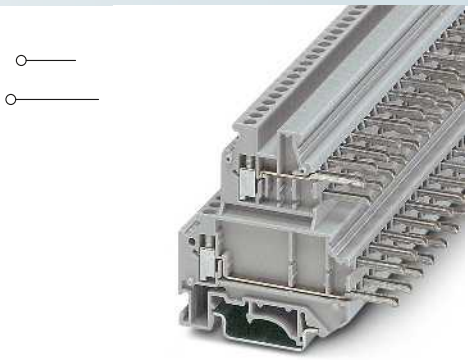
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35..., screw connection on left and solder connection on right		gray	**UK 4-LOER**		**3014019**	50
Terminal block, for mounting on NS 32... or NS 35..., solder connection on both sides		gray	**UK 4-LOE/LOE**		**3012011**	50

Accessories

Cover, width 1.8 mm		gray	**D-UK 4/10**		**3003020**	50
Fixed bridge, insulated	10	silver	**FBI 10- 6**	24 A	**0203250**	10
Insertion bridge, insulated	2	gray	**EB 2- 6**	24 A	**0201155**	100
	3	gray	**EB 3- 6**	24 A	**0201142**	100
	10	gray	**EB 10- 6**	24 A	**0201139**	10
Switch bar for 2 terminal blocks, complete, to increase insulation an end cover must be interposed	2	silver	**USBR 2-7**	23 A	**2303239**	1
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-K**		**1302215**	50
Partition plate, 1.5 mm wide		gray	**ATP-UK**		**3003224**	50
Test socket		silver	**PSB 3/10/4**		**0601292**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**ZB 6 (see Catalog 5)**			

UKK ... double-level terminal blocks with screw/solder connection

- The soldering tags have a 1.2 mm diameter hole on their outside in which the solid connection conductor up to 2.5 mm² can be inserted and soldered on with strain relief
- A notch simplifies the process of wrapping a thin connection conductor or connecting bridges with neighboring terminal blocks
- When soldering, the design of the soldering tabs as a narrow thermal point with a low thermal capacity reduces the flow of heat to the inner metal parts, which is essential to smooth solder connections
- Even if fully wired, the level offset offers unobstructed access to the lower connection level



2.5 (4) mm², 15 A, double-level terminal block with screw and solder connection

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**70.5**	**62**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**5.2**	**70.5**	**67**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		15	**400**	**0.2 - 4**	**24 - 12**
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	15 / 1.5	- / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	-	-	-
Connection capacity of screw connection		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	2.5	2.5		
Connection capacity solder connection		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 1.5	0.2 - 1.5	-	-
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

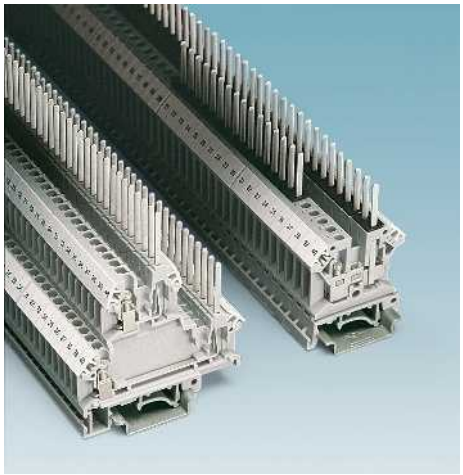
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**UKK 3-LOER**		**2778013**	50
		blue	**UKK 3-LOER BU**		**2778097**	50

Accessories

Cover, width 2.5 mm		gray	**D-UKK 3/5**	**2770024**	50
		blue	**D-UKK 3/5 BU**	**2770105**	50
Spacer cover, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		gray	**DG-UKK 3/5**	**2770817**	50
Spacer plate, compensates for level offsets, width 2.5 mm		gray	**DP-UKK 3/5**	**2770794**	50
Insertion bridge, insulated	10	gray	**EBL 10- 5** 13.5 A	**2303132**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**	**2770215**	50
Partition plate, 2.5 mm wide		gray	**ATP-UKK 3/5**	**2778521**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10
Lateral groove labeling			**ZB 5 (see Catalog 5)**		

UK ...-TP... terminal blocks with TERMI-POINT® connection



- With the TERMI-POINT® versions, a distinction is made between lengthwise and crosswise to the terminal block depending on the pin position
- The pins arranged lengthwise should be used for terminal strips mounted vertically and those arranged crosswise for the strips mounted horizontally for convenient tool handling
- A maximum of three connections can be made on the connection pins



4 (4) mm², 10 A, feed-through terminal block, with screw and TP connection

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**6.2**	**42.5**	**68**
Dimensions		Width	Length	Height NS 32
	[mm]	**6.2**	**42.5**	**73**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		10	**250**	**0.2 - 4** / **24 - 12**
Rated data, screw connection		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	250	-	- / -
Nominal current / cross section	[A] / [mm²]	10 / 4	- / -	- / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 12	-	- / -
Rated data TERMI-POINT® connection		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	250	-	- / -
Nominal current / cross section	[A] / [mm²]	5	- / -	- / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 20	-	- / -
Connection capacity of screw connection		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4 / 0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			- / 0.5 - 2.5
Max. cross section with insertion bridge	[mm²]			
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Ordering data

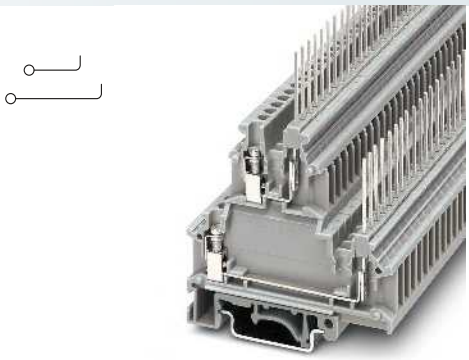
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with 2.4 x 0.8 TP pin, longitudinal pin for vertical mounting		gray	**UK 4-TP(2,4X0,8)L**		**3086021**	50
Transverse pin for horizontal mounting		gray	**UK 4-TP(2,4X0,8)Q**		**3086034**	50

Accessories

Cover, width 1.8 mm		gray	**D-UK 4/10**		**3003020**	50
Spacer cover, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		gray				
Spacer plate, compensates for level offsets, width 2.5 mm		gray				
Fixed bridge, insulated	10	silver	**FBI 10- 6**	10 A	**0203250**	10
Insertion bridge, insulated	2	gray	**EB 2- 6**	10 A	**0201155**	100
	3	gray	**EB 3- 6**	10 A	**0201142**	100
	10	gray	**EB 10- 6**	10 A	**0201139**	10
Partition plate, 2.5 mm wide		gray				
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**ZB 6 (see Catalog 5)**			



Feed-through terminal block, with TP connection



2.5 (4) mm², 10 A, double-level terminal block with screw and TP® connection

Technical data

Width	Length	Height NS 35/7,5	
6.2	**42.5**	**68**	
Width	Length	Height NS 32	
6.2	**42.5**	**73**	
	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	250	**0.2 - 0.5**	**24 - 20**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	-	-	-
5	- / -	-	-
-	-	-	-
24 - 20	-	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	-	-	-
5	- / -	-	-
-	-	-	-
24 - 20	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 0.5	0.2 - 0.5	-	-
-	-	-	-
-			
-			
PA			
V2			

Technical data

Width	Length	Height NS 35/7,5	
5.2	**67**	**85**	
Width	Length	Height NS 32	
5.2	**67**	**90**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
10	**250**	**0.2 - 4**	**24 - 12**
IEC	UL/CUL	CSA	IEC/ EN 60079-7
250	300	-	-
10 / 2.5	5 / -	-	-
2.5	-	-	-
24 - 12	28-12	-	-
IEC	UL/CUL	CSA	IEC/ EN 60079-7
125	300	-	-
5	5 / -	-	-
2.5	-	-	-
24 - 20	28-12	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1.5
4	2.5		
8			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
UK 4-TP/TP(2,4X0,8)L	**3086047**	50
UK 4-TP/TP(2,4X0,8)Q	**3086063**	50

Accessories

D-UK 4/10	**3003020**	50

ZB 6 (see Catalog 5)

Ordering data

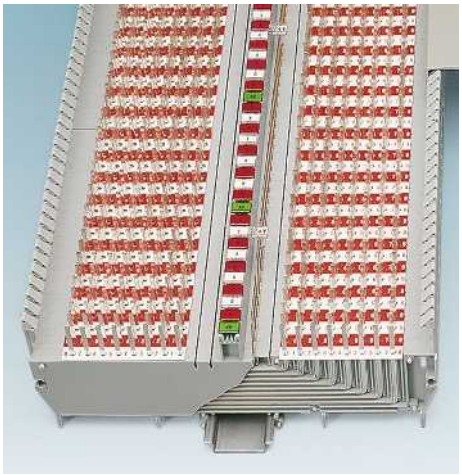
Type	I_{max}	Order No.	Pcs. / Pkt.
UKKB 3-TP(2,4X0,8)L		**2773254**	50
UKKB 3-TP(2,4X0,8)Q		**2773267**	50

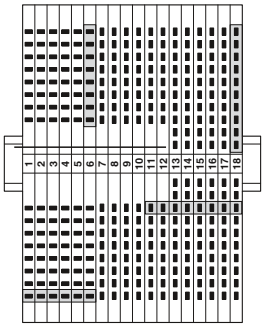
Accessories

D-UKKB 3/5		**2771023**	50
DG-UKKB 3/ 5		**2770859**	50
DP-UKKB 3/ 5		**2770804**	50
EBL 10- 5	10 A	**2303132**	10
ATP-UKKB 3		**2771065**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 5 (see Catalog 5)

RV 8 marshalling distributor





RV 8-TP
(2,4 x 0,8) Q

RV 8-TP
(2,4 x 0,8) L



5 A, marshalling distributor, 8 levels with TP connection

- The RV 8 element has 8 TERMI-POINT®(TP) pins 2.4 x 0.8 mm for the inlet and outlet conductor on both sides of the raised labeling rib
- There are two housing grooves between the pin panel and labeling rib into which the potential busbars can be inserted
- The external housing bridge bars take on the function of a cable duct side wall such that good cable routing is ensured and standard cable duct covers can be used
- The red and white labeling masks with alternating negative/positive 1–8 or a–h labeling clearly distinguish the rows of pins and make the process of connecting and finding particular connections much easier

Notes:

[1]) For load diagram, visit www.phoenixcontact.net/products

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		7.6	**202**	**81.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		5[1])	**250**	**0.22 - 0.56 / 24 - 20**

Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-	-	-
Nominal current / cross section	[A] / [mm²]	5	- / -	-	-
Rated cross section	[mm²]	-	-	-	-
Cross section range	AWG	24 - 20	-	-	-

General data	
Insulating material	PA
Inflammability class according to UL 94	V0

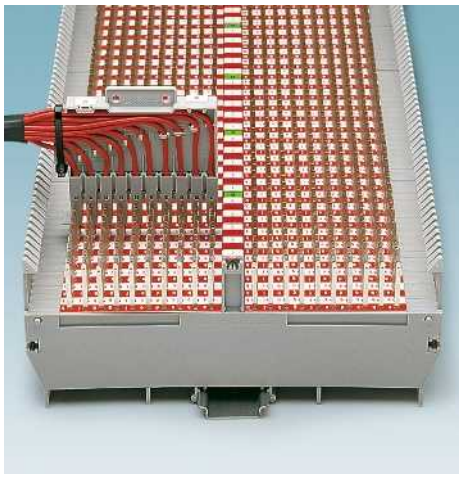
Ordering data

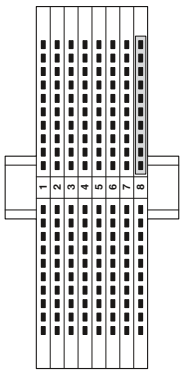
Description	Color	Type	Order No.	Pcs. / Pkt.
Marshalling distributor 8-pos., with sliding foot for mounting on NS 35..., with 2.4 x 0.8 TP pins, longitudinal pin for perpendicular mounting	gray	**RV 8-TP(2,4X0,8)L**	**3191013**	5
Transverse pin for horizontal mounting	gray	**RV 8-TP(2,4X0,8)Q**	**3191217**	5
Marshalling distributor 8-pos., with sliding foot for mounting on NS 35..., with 2.4 x 0.8 TP pins, equipotential bonder with bridged pins, longitudinal pins for perpendicular mounting	gray	**RV 8-PV-TP(2,4X0,8)L**	**3191039**	5

Accessories

Terminating element, width 7.62 mm	gray	**D-RV 8**	**3191026**	5
Busbar, with slotted 6.3/2.8 mm flat plugs, brass, tin-plated, length: 1 m		**S-FS (2,8X0,8)**	**3191699**	1
Clamp set, for holding together RV blocks, for 80 marshalling distributors		**RV 8-SPSA**	**3193011**	1
Pair of marking masks, in positive/negative, white/red print for marking the individual pins, with horizontal printing				
Front: 1-8, reverse: 8-1	white	**KZMP-RV 8:1-8**	**3191330**	10
Front: a-h, reverse: h-a	white	**KZMP-RV 8:A-H**	**3191327**	10
Cable housing, 40-pos., complete with crimp contacts		**KGS-RV 10**	**3192106**	10
Module socket contact, 0.5 - 1 mm²	silver	**STG-MTN 0,5-1,0**	**3190438**	100
Module plug housing, for longitudinal pins, for accommodating the STG-MTN module socket contacts, 1-pos.	gray	**STG 1-RV/L**	**3190124**	50
2-pos.		**STG 2-RV/L**	**3190137**	50
8-pos.		**STG 8-RV/L**	**3190195**	50
10-pos.		**STG 10-RV/L**	**3190205**	50
Module plug housing, for transverse pins, for accommodating the STG-MTN module socket contacts, 2-pos.	black	**STG 2-RV/Q**	**3190247**	50
8-pos.		**STG 8-RV/Q**	**3190302**	50
Strain relief, for STG 8-position plug housings, with single-sided coupling spring	black	**STGZ BK**	**3193134**	10
With double-sided coupling spring	black	**STGZ 1 BK**	**3193147**	10
Center groove labeling		**ZB 7,62 (see Catalog 5)**		

RVS 10 marshalling distributor







5 A, marshalling distributor, 10 levels with TP connection

- The RVS 10 element has 10 TERMI-POINT®(TP) pins 2.4 x 0.8 mm for the inlet and outlet conductor on both sides of the raised labeling rib
- The external housing bridge bars take on the function of a cable duct side wall such that good cable routing is ensured and standard cable duct covers can be used
- The red and white labeling masks with alternating negative/positive 1–10 or a–k labeling clearly distinguish the rows of pins and make the process of connecting and finding particular connections much easier

Notes:

[1]) For load diagram, visit www.phoenixcontact.net/products

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**202**	**81.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		5[1])	**250**	**0.22 - 0.56 / 24 - 20**

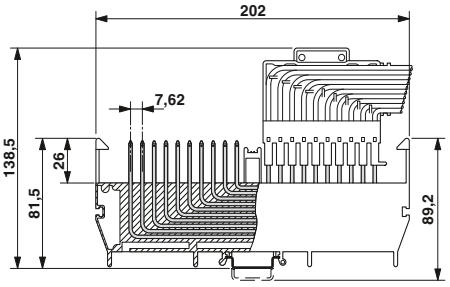
Rated data		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-	-	-
Nominal current / cross section	[A] / [mm²]	5	- / -	-	-
Rated cross section	[mm²]	-	-	-	-
Cross section range	AWG	24 - 20	-	-	-
General data					
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

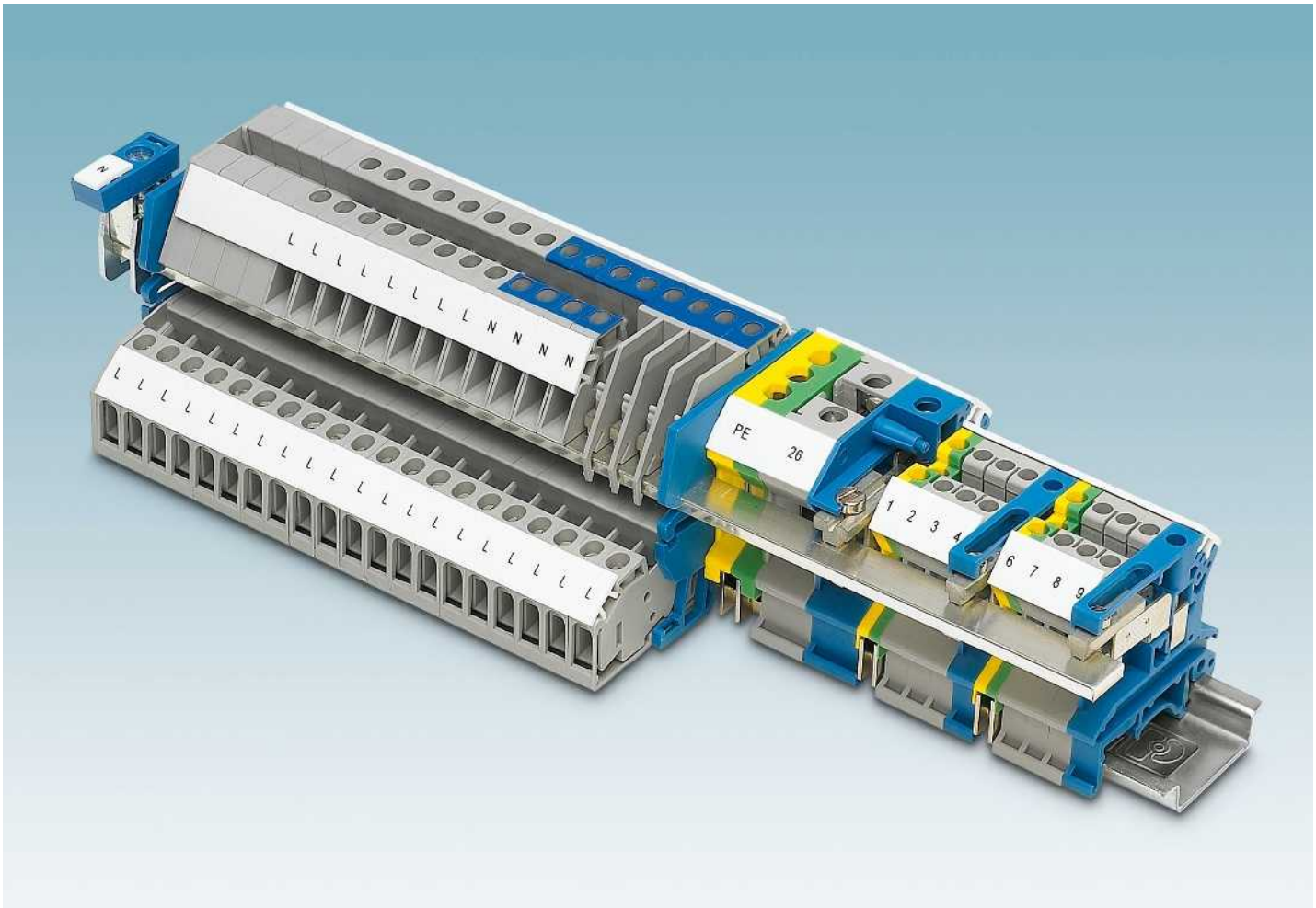
Description	Color	Type	Order No.	Pcs. / Pkt.
Marshalling distributor 10-pos., with sliding foot for mounting on NS 35..., with 2.4 x 0.8 TP pins	gray	**RVS 10-TP(2,4X0,8)L**	**3192038**	5

Accessories

End element, 6.2 mm wide, also for forming sections	gray	**D-RVS 10**	**3191437**	5
Clamp set, for holding together RV blocks, for 80 marshalling distributors		**RV 8-SPSA**	**3193011**	1
Pair of marking masks, in positive/negative, white/red print for marking the individual pins, with horizontal printing				
Front: 1-10, reverse: 10-1	white	**KZMP-RVS 10:1-10**	**3191408**	10
Front: a-k, reverse: k-a	white	**KZMP-RVS 10:A-K**	**3191372**	10
Cable housing, 40-pos., complete with crimp contacts		**KGS-RVS 10**	**3190454**	10
Module socket contact, 0.5 - 1 mm²	silver	**STG-MTN 0,5-1,0**	**3190438**	100
Module plug housing, for longitudinal pins, for accommodating the STG-MTN module socket contacts, 1-pos.	gray	**STG 1-RV/L**	**3190124**	50
2-pos.		**STG 2-RV/L**	**3190137**	50
8-pos.		**STG 8-RV/L**	**3190195**	50
10-pos.		**STG 10-RV/L**	**3190205**	50
Strain relief, with one-sided coupling spring, for one 10-pos. plug housing		**STGZ 10-RVS**	**3192067**	25
With double-sided coupling spring, for two 10-pos. plug housing		**STGZ 20-RVS**	**3192054**	25
Crimping pliers, for rolled contacts 0.5 - 2.5 mm², four labeled countersunk stations, unlockable pressure lock, side entry, for STG-MTN module and socket contacts too	black	**CRIMPFOX MT 2,5**	**1204038**	1
Center groove labeling		**ZB 6 (see Catalog 5)**		



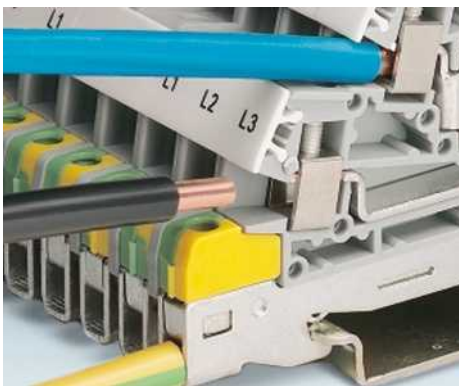
UIK ... and PIK ... installation terminal blocks





For flexible combinations

All installation terminal blocks for the various connection technologies (UTN, push-in, and STI) can be combined in any way. The neutral busbar is on one level across all installation terminal blocks.



Space-saving structure

Compact three-level installation terminal blocks with up to a 10 mm² conductor connection are available for installing larger three-phase loads such as ventilation motors or loads in commercial kitchens.

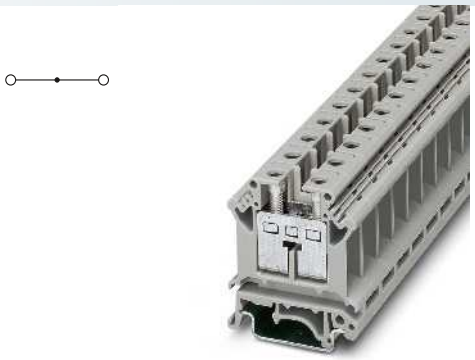


Installation accessories

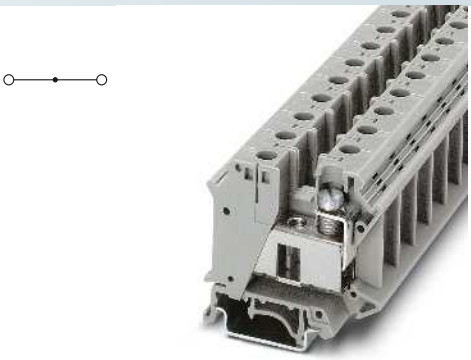
There is an extensive range of accessories for potential distribution and supply. The AKG connection terminal blocks satisfy the requirements of standard DIN VDE 0100 or VDE 0113-1 in terms of color labeling and the ability to label each terminal block.

UIK ... installation terminal blocks

- Installation terminal blocks with a particularly low-profile shape for use in flat distributors
- The asymmetric arrangement of the terminal blocks on the DIN rail allows the PEN conductor busbar to be routed to the terminal block
- UK 1,5 N to UK 16 N standard feed-through terminal blocks can be used in conjunction with the PEN conductor busbar



16 (25) mm², 101 A, feed-through terminal block



35 (35) mm², 125 A, feed-through terminal block

CCA

CCA

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**12.2**	**42.5**	**47**	
Dimensions	Width	Length	Height NS 32	
[mm]	**12.2**	**42.5**	**52**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	101	**400**	**2.5 - 25**	**12 - 4**
Rated data	IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400	600	600	-
Nominal current / cross section [A] / [mm²]	76 / 16	85 / -	85 / -	-
Rated cross section [mm²]	16	-	-	-
Cross section range AWG	12 - 4	22-4	22-4	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	2.5 - 25	4 - 16	1.5 - 16	1.5 - 16
Two conductors (of the same type) [mm²]	1.5 - 6	1.5 - 6	1.5 - 4	-
Two stranded conductors with a TWIN ferrule [mm²]				0.75 - 10
Max. cross section with insertion bridge [mm²]	16	16		
General data				
Stripping length [mm]	11			
Screw thread	M4			
Tightening torque [Nm]	1.5 - 1.8			
Insulating material	PA			
Inflammability class according to UL 94	V2			

Technical data

Width	Length	Height NS 35/7,5		
15.2	**55**	**51**		
Width	Length	Height NS 32		
15.2	**55**	**59**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
125	**800**	**0.75 - 35**	**18 - 2**	
IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7	
800	600	600	-	
125 / 35	115 / -	130 / -	-	
35	-	-	-	
18 - 2	18-2	18-2	-	
solid	stranded	Ferrule Without / with plastic sleeve		
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35	
0.75 - 10	0.75 - 10	0.75 - 10	-	
			0.75 - 6	
35	35			
16				
M6				
3.2 - 3.7				
PA				
V2				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**UIK 16**		**3006153**	50
		blue	**UIK 16 BU**		**3006205**	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UIK 35		**3006182**	50
UIK 35 BU		**3006302**	50

Accessories

Cover, width 1.8 mm		gray	**D-UK 4/10**		**3003020**	50
		blue	**D-UK 4/10 BU**		**3003101**	50
Fixed bridge, insulated						
	2	silver				
	3	silver				
	10	silver	**FBI 10-12**	101 A	**0203454**	10
Insertion bridge, divisible, fully insulated						
	2	gray				
	3	gray				
	10	gray	**EB 10-12**	68 A	**3006137**	10
Switching jumper for 2 terminal blocks, complete, only mount with short link						
	2	silver				
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-K**		**1302215**	50
Partition plate, 1.5 mm wide		gray	**ATP-UK**		**3003224**	50
Test socket, for test connection with PS test plug		silver	**PSB 4/7/6**		**0303299**	10
Screwdriver			**SZS 1,0X4,0 VDE**		**1205066**	10
Lateral groove labeling			**ZB 12 (see Catalog 5)**			

Accessories

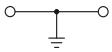
FBI 2-15	125 A	**0201333**	10	
FBI 3-15	125 A	**0201278**	10	
EB 2-15 K/UK 35	101 A	**0205119**	10	
EB 3-15 K/UK 35	101 A	**0205106**	10	
EB 10-15 K/UK 35	101 A	**0205096**	10	
SBH 2-15	120 A	**0205232**	1	
TS-K		**1302215**	50	
ATP-UK		**3003224**	50	
PSB 6/5/6		**0205290**	10	
SZS 1,0X4,0 VDE		**1205066**	10	
ZB 15 (see Catalog 5)				

UISLKG ... installation ground terminal blocks

– USLKG 1,5 N to USLKG 16 N standard ground terminal blocks can be used in conjunction with the PEN conductor busbar

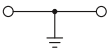
Notes:

For current carrying capacity of DIN rails, see page 716.





16 (25) mm², 101 A, ground terminal block





35 (35) mm², 125 A, ground terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12**	**42.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**12**	**42.5**	**52**	
Max. electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG
		101		**2.5 - 25**	**12 - 3**
Rated data		IEC 60947-7-2 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	76 / 16	- / -	-	-
Rated cross section	[mm²]	16	-	-	-
Cross section range	AWG	12 - 3	22-4	22-4	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	2.5 - 25	2.5 - 16	1.5 - 16	1.5 - 16
Two conductors (of the same type)	[mm²]	1.5 - 6	1.5 - 4	1.5 - 6	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.75 - 10
Max. cross section with insertion bridge	[mm²]				
General data					
Stripping length	[mm]	11			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**15**	**55**	**51**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**15**	**55**	**59**	
Max. electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG
		125		**0.75 - 35**	**18 - 2**
Rated data		IEC 60947-7-2 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	125 / 35	- / -	-	-
Rated cross section	[mm²]	35	-	-	-
Cross section range	AWG	18 - 2	18-2	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
Two conductors (of the same type)	[mm²]	0.75 - 16	0.75 - 10	0.75 - 10	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.75 - 6
Max. cross section with insertion bridge	[mm²]				
General data					
Stripping length	[mm]	16			
Screw thread		M6			
Tightening torque	[Nm]	3.2 - 3.7			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 32... or NS 35...		green-yellow	**UISLKG 16**	**0443052**	50
Ground terminal block, for mounting on NS 35/15-2,3		green-yellow	**UISLKG 16-1**	**3001789**	50

Accessories

Screwdriver	**SZS 1,0X6,5 VDE**	**1205079**	10
Lateral groove labeling	**ZB 12 (see Catalog 5)**		

Ordering data

Type	Order No.	Pcs. / Pkt.
UISLKG 35	**0443065**	50
UISLKG 35-1	**3001776**	50

Accessories

Screwdriver	**SZS 1,0X6,5 VDE**	**1205079**	10
Lateral groove labeling	**ZB 15 (see Catalog 5)**		

UKN ... neutral conductor disconnect terminal blocks

– With screw disconnect slide
– Same shape as feed-through, ground conductor and installation terminal blocks

Notes:

Assembly instructions:
For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.



2.5 (4) mm², 32 A, neutral disconnect terminal block



4 (6) mm², 36 A, neutral disconnect terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**43.5**	**42**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**43.5**	**47**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		32	**400**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	- / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	7			
Terminal point: thread / torque	- / [Nm]	M3 / 0.6 - 0.8			
Disconnect slide: thread / torque	- / [Nm]	M2,5 / 0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Neutral conductor disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...	blue	**UKN 2,5 BU**		**3032004**	50

Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, solid up to 16 mm², 10 mm wide	blue	**AKG 16 BU**		**0423014**	50
Up to 35 mm² solid, 14.3 mm wide	blue	**AKG 35 BU**		**0424013**	50
Cover, width 1.5 mm	blue	**D-UKN 2,5**		**3032017**	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Cover profile, for neutral busbar, 1 m long	transparent	**AP-NLS**		**5037133**	10
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide	blue	**UAB**		**3032428**	50
Support, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips	gray	**AB/NS**		**1201141**	10
Screwdriver		**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling		**ZB 6 (see Catalog 5)**			

Technical data

		Width	Length	Height NS 35/7,5	
		6.2	**43.5**	**47**	
		Width	Length	Height NS 32	
		6.2	**43.5**	**52**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		36	**400**	**0.2 - 6**	**24 - 10**
		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
		400	-	-	-
		32 / 4	- / -	-	-
		4	-	-	-
		24 - 10	-	-	-
		solid	stranded	Ferrule Without / with plastic sleeve	
		0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
		0.2 - 1.5	0.2 - 1.5	0.25 - 1	-
					0.5 - 2.5
		7			
		M3 / 0.6 - 0.8			
		M2,5 / 0.5 - 0.6			
		PA			
		V2			

Ordering data

		Type	I_{max}	**Order No.**	Pcs. / Pkt.
		UKN 5 BU		**3032088**	50

Accessories

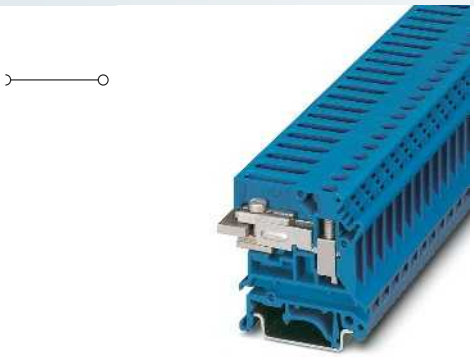
		AKG 16 BU		**0423014**	50
		AKG 35 BU		**0424013**	50
		D-UK 4/10 BU		**3003101**	50
		NLS-CU 3/10 SN 1000MM	140 A	**0402174**	10
		AP-NLS		**5037133**	10
		UAB		**3032428**	50
		AB/NS		**1201141**	10
		SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
		ZB 6 (see Catalog 5)			

UKN ... neutral conductor disconnect terminal blocks

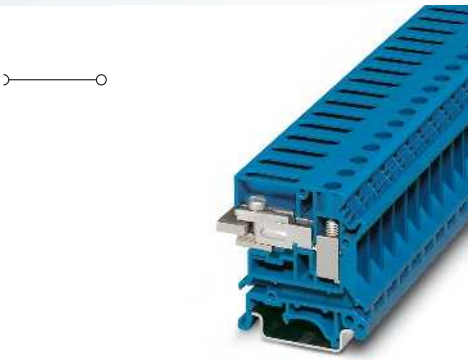
– With screw disconnect slide
– Same shape as feed-through, ground conductor and installation terminal blocks

Notes:

Assembly instructions:
For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.



6 (10) mm², 50 A, neutral disconnect terminal block



10 (16) mm², 63 A, neutral disconnect terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**8.2**	**43.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**8.2**	**43.5**	**52**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		50	**400**	**0.2 - 10**	**24 - 8**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	41 / 6	- / -	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	24 - 8	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
Two conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 4
General data					
Stripping length	[mm]	10			
Terminal point: thread / torque	- / [Nm]	M4 / 1.5 - 1.8			
Disconnect slide: thread / torque	- / [Nm]	M3 / 0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

		Width	Length	Height NS 35/7,5	
	[mm]	**10.2**	**43.5**	**47.3**	
		Width	Length	Height NS 32	
	[mm]	**10.2**	**43.5**	**52**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		63	**400**	**0.5 - 16**	**20 - 6**
		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
		400	-	-	-
		57 / 10	- / -	-	-
		10	-	-	-
		20 - 6	-	-	-
		solid	stranded	Ferrule Without / with plastic sleeve	
		0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
		0.5 - 4	0.5 - 4	0.5 - 2.5	-
					0.5 - 6
		12			
		M4 / 1.5 - 1.8			
		M3 / 0.6 - 0.8			
		PA			
		V0			

Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Neutral conductor disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...	blue	**UKN 6 N BU**		**3024041**	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
UKN 10 N BU		**3003910**	50

Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, solid up to 16 mm², 10 mm wide	blue	**AKG 16 BU**		**0423014**	50
Up to 35 mm² solid, 14.3 mm wide	blue	**AKG 35 BU**		**0424013**	50
Cover, width 1.8 mm	blue	**D-UK 4/10 BU**		**3003101**	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide	blue	**UAB**		**3032428**	50
Support, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips	gray	**AB/NS**		**1201141**	10
Screwdriver		**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling		**ZB 8 (see Catalog 5)**			

Accessories

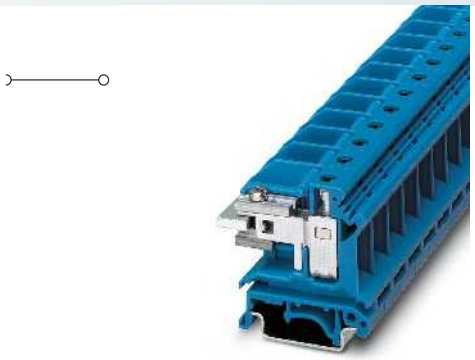
AKG 16 BU		**0423014**		50
AKG 35 BU		**0424013**		50
D-UK 4/10 BU		**3003101**		50
NLS-CU 3/10 SN 1000MM	140 A	**0402174**		10
UAB		**3032428**		50
AB/NS		**1201141**		10
SF-SL 0,6X3,5-100 S-VDE		**1212587**		10
ZB 10 (see Catalog 5)				

UIKN ... neutral conductor disconnect terminal blocks

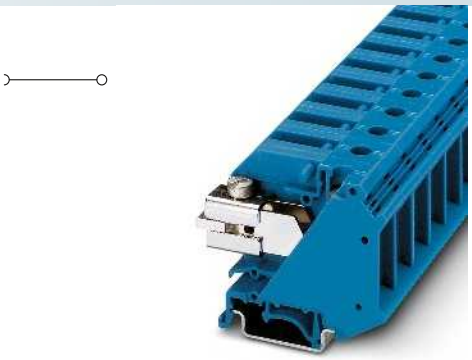
– With screw disconnect slide
– Same shape as feed-through, ground conductor and installation terminal blocks

Notes:

Assembly instructions:
For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.



16 (25) mm², 90 A, neutral disconnect terminal block



35 (35) mm², 110 A, neutral disconnect terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12**	**43.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**12**	**43.5**	**52**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		90	**400**	**2.5 - 25**	**12 - 4**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	76 / 16	- / -	-	-
Rated cross section	[mm²]	16	-	-	-
Cross section range	AWG	12 - 4	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	2.5 - 25	4 - 16	1.5 - 16	1.5 - 16
Two conductors (of the same type)	[mm²]	1.5 - 6	1.5 - 4	1.5 - 6	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.75 - 10
General data					
Stripping length	[mm]	11			
Terminal point: thread / torque	- / [Nm]	M4 / 1.5 - 1.8			
Disconnect slide: thread / torque	- / [Nm]	M3 / 0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Neutral conductor disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...	blue	**UIKN 16 BU**		**3006166**	50

Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, solid up to 16 mm², 10 mm wide	blue	**AKG 16 BU**		**0423014**	50
Up to 35 mm² solid, 14.3 mm wide	blue	**AKG 35 BU**		**0424013**	50
Cover, width 1.8 mm	blue	**D-UK 4/10 BU**		**3003101**	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide	blue	**UAB**		**3032428**	50
Support, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips	gray	**AB/NS**		**1201141**	10
Screwdriver		**SZS 1,0X4,0 VDE**		**1205066**	10
Lateral groove labeling		**ZB 10 (see Catalog 5)**			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**15**	**55**	**51**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**15**	**55**	**56**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		110	**400**	**0.75 - 35**	**18 - 2**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	110 / 35	- / -	-	-
Rated cross section	[mm²]	35	-	-	-
Cross section range	AWG	18 - 2	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
Two conductors (of the same type)	[mm²]	0.75 - 10	0.75 - 10	0.75 - 10	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.75 - 6
General data					
Stripping length	[mm]	16			
Terminal point: thread / torque	- / [Nm]	M6 / 3.2 - 3.7			
Disconnect slide: thread / torque	- / [Nm]	M5 / 2.5 - 3			
Insulating material		PA			
Inflammability class according to UL 94		V2			

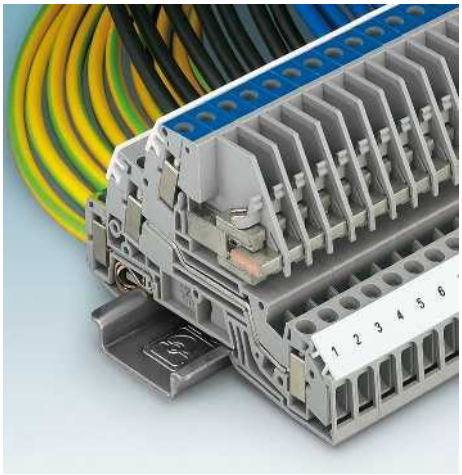
Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Neutral conductor disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...	blue	**UIKN 35 BU**		**3034015**	50

Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, solid up to 16 mm², 10 mm wide	blue	**AKG 16 BU**		**0423014**	50
Up to 35 mm² solid, 14.3 mm wide	blue	**AKG 35 BU**		**0424013**	50
Cover, width 1.8 mm	blue				
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Support, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide	blue	**UAB**		**3032428**	50
Support, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips	gray	**AB/NS**		**1201141**	10
Screwdriver		**SZS 1,0X4,0 VDE**		**1205066**	10
ZB 10 (see Catalog 5)					

PIK 4... three-level installation terminal blocks

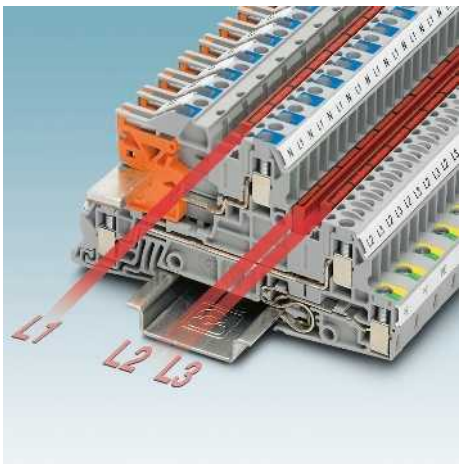


PIK 4-PE/L/NT

– A housing in the terminal block contains three terminal block types belonging to a single-phase circuit
– Design width of just 6.2 mm
– The lower level houses the ground conductor connection which automatically makes contact with the DIN rail when snapped on
– The phase connection is produced by the outer conductor feed-through terminal block on the middle level
– The upper level contains the connection for the neutral conductor which is linked to the neutral conductor busbar via a sturdy disconnect slide

PIK 4...

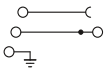
– The other types in the PIK range support all other circuit versions encountered in real life
– For example, combining the PIK 4−PE/L/NT and PIK 4−L/L allows a three-phase circuit with a width of 12.4 mm to be wired. This represents a space saving of 18.6 mm over standard wiring with single-level installation terminal blocks.



For UTI ... installation terminal blocks, see page 82.

Notes:

For L/N/PE AKG ... connection terminal blocks and further accessories, see page 94.





4 (4) mm², 32 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor can be disconnected, 1 x PE

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**88**	**51.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		32	**400**	**0.2 - 4** / **24 - 12**
Rated data		IEC 60947-7-1 / IEC 60947-7-2		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400	300	- / -
Phase conductor / phase conductor	[V]	400	-	- / -
Phase conductor / PE	[V]	250	-	- / -
Phase conductor / N	[V]	250	-	- / -
Nominal current / cross section	[A] / [mm²]	32 / 4	20 / -	- / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 12	28-12	- / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4 / 0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1	0.25 - 1 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5
General data				
Stripping length	[mm]	9		
Terminal point: thread / torque	- / [Nm]	M3 / 0.5 - 0.6		
Disconnect slide: thread / torque	- / [Nm]	M2,5 / 0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V2		

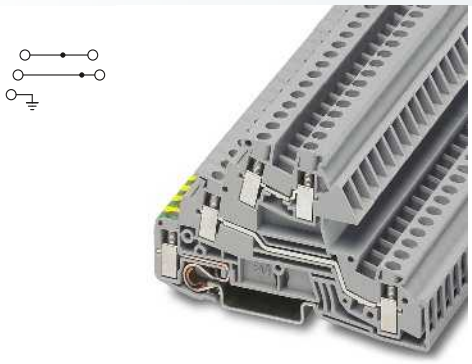
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Three-level installation terminal block, with green-yellow **PE** connection, phase conductor connection**L** and blue neutral disconnection **NT**		gray	**PIK 4-PE/L/NT**		**2714006**	50
Three-level installation terminal block, with green-yellow **PE** connection and 2 phase conductor connections **L**		gray				
Three-level installation terminal block, with green-yellow **PE** connection, phase conductor connection **L** and blue neutral connection **NT**		gray				
Three-level installation terminal block, with 2 phase conductor connections **L**		gray				
With 1 phase conductor connection **L**		gray				

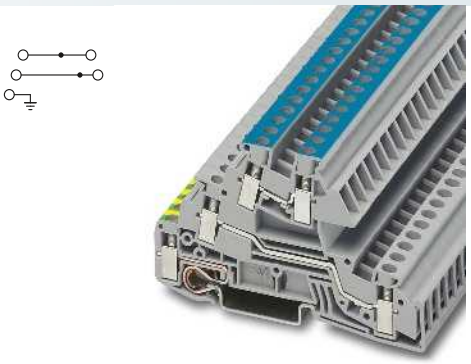
Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, solid up to 16 mm², 10 mm wide		blue	**AKG 16 BU**		**0423014**	50
Up to 35 mm² solid, 14.3 mm wide		blue	**AKG 35 BU**		**0424013**	50
Cover, width 1.5 mm		gray	**D-PIK 4**		**2714080**	50
Fixed bridge, insulated	10	silver	**FBI 10- 6**	32 A	**0203250**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6**	28 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		**1302338**	100
Partition plate, 1.5 mm wide		gray	**ATP-PIK**		**2714145**	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10

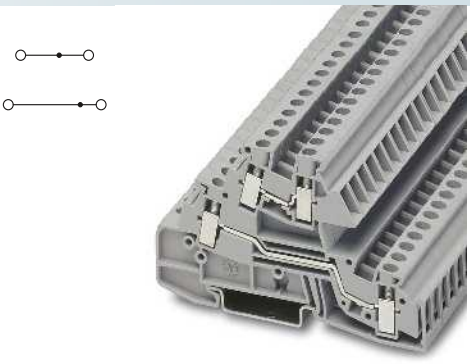
Lateral groove labeling — **ZB 6 (see Catalog 5)**



4 (4) mm², 32 A, three-level terminal block, 2 x L phase conductor, 1 x PE



4 (4) mm², 32 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor, 1 x PE



4 (4) mm², 32 A, three-level terminal block, 2 x L phase conductor

Technical data

Width	Length	Height NS 35/7,5	
6.2	**88**	**51.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
250	-	-	-
-	-	-	-
32 / 4	20 / -	-	-
4	-	-	-
24 - 12	28-12	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1	0.25 - 1	- 0.5
9			
M3 / 0.5 - 0.6			
- / -			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PIK 4-PE/L/L		**2714022**	50

Accessories

D-PIK 4		**2714080**	50
FBI 10- 6	32 A	**0203250**	10
ISSBI 10- 6	28 A	**0301505**	10
IS-K 4		**1302338**	100
ATP-PIK		**2714145**	50

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**88**	**51.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
250	-	-	-
250	-	-	-
32 / 4	20 / -	-	-
4	-	-	-
24 - 12	28-12	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1	0.25 - 1	- 0.5
9			
M3 / 0.5 - 0.6			
- / -			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PIK 4-PE/L/N		**2714019**	50

Accessories

D-PIK 4		**2714080**	50
FBI 10- 6	32 A	**0203250**	10
ISSBI 10- 6	28 A	**0301505**	10
IS-K 4		**1302338**	100
ATP-PIK		**2714145**	50

ZB 6 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**88**	**51.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**400**	**0.2 - 4**	**24 - 12**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
-	-	-	-
-	-	-	-
32 / 4	20 / -	-	-
4	-	-	-
24 - 12	28-12	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1	0.25 - 1	- 0.5
9			
M3 / 0.5 - 0.6			
- / -			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PIK 4-L/L		**2714035**	50
PIK 4-L		**2714048**	50

Accessories

D-PIK 4		**2714080**	50
FBI 10- 6	32 A	**0203250**	10
ISSBI 10- 6	28 A	**0301505**	10
IS-K 4		**1302338**	100
ATP-PIK		**2714145**	50

ZB 6 (see Catalog 5)

PIK 4... three-level installation terminal blocks

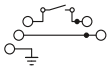


- PIK 4−PE/L/NTB is intended for installation in medical rooms
- The terminal block versions with single circuit disconnection precisely meet the safety requirements of DIN VDE 100−718. Such applications often require each circuit to be separately fused using a residual current device. This results in the PIK 4 groups of terminal blocks being broken down into small groups. Behind the N-disconnect point, this model therefore offers a single screw connection as well as bridging facility for splitting the N-supply cable into several N-outputs.
- The PIK 4−L/LB of the same shape enables harmonious attachments to create a 5-pos. three-phase connection

Notes:

If the terminal block is inserted downstream of 40 A or 63 A residual current devices, a ring-type feed must be provided.

For L/N/PE AKG ... connection terminal blocks and further accessories, see page 94.





4 (4) mm², 32 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor can be disconnected, 1 x PE

Technical data

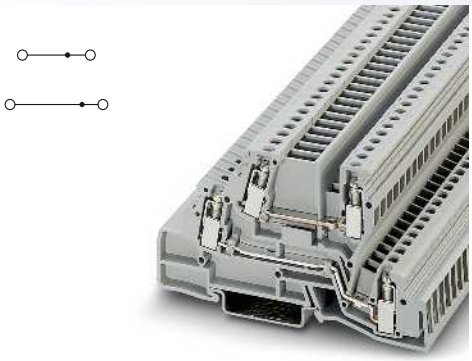
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**88**	**51.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		32	**400**	**0.2 - 4** / **24 - 12**
Rated data		IEC 60947-7-1 / IEC 60947-7-2		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400	300	- / -
Phase conductor / phase conductor	[V]	400	-	- / -
Phase conductor / PE	[V]	250	-	- / -
Phase conductor / N	[V]	250	-	- / -
Nominal current / cross section	[A] / [mm²]	32 / 4	20 / -	- / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 12	28-12	- / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4 / 0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1	0.25 - 1 / -
Two stranded conductors with a TWIN ferrule	[mm²]			- / 0.5
General data				
Stripping length	[mm]	9		
Terminal point: thread / torque	- / [Nm]	M3 / 0.5 - 0.6		
Disconnect slide: thread / torque	- / [Nm]	M2,6 / 0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Three-level installation terminal block, with green-yellow **PE** connection, phase conductor connection **L** and blue neutral disconnection **NTB**.		gray	**PIK 4-PE/L/NTB**		**2714158**	50
Three-level installation terminal block, with 2 phase conductor connections **L** and bridging option on each level.		gray				

Accessories

Cover, width 1.5 mm		gray	**D-PIK 4-PE/L/NTB**		**2714161**	50
Fixed bridge, insulated	10	silver	**FBI 10- 6**	28 A	**0203250**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6**	26 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		**1302338**	100
Partition plate, 1.5 mm wide		gray	**ATP-PIK**		**2714145**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**ZB 6 (see Catalog 5)**			



4 (4) mm², 32 A, three-level terminal block, 2 x L phase conductor

Technical data

Width	Length	Height NS 35/7,5	
6.2	**88**	**51.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**400**	**0.2 - 4**	**24 - 12**

IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
400	-	-	-
-	-	-	-
-	-	-	-
32 / 4	- / -	-	-
4	-	-	-
24 - 12	-	-	-

solid	stranded	Ferrule	Without / with plastic sleeve
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1	0.25 - 1	- 1

9
M3 / 0.5 - 0.6

- / -

PA
V2

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PIK 4-L/LB		**3000117**	50

Accessories

D-PIK 4-PE/L/NTB		**2714161**	50
FBI 10- 6	28 A	**0203250**	10
ISSBI 10- 6	26 A	**0301505**	10
IS-K 4		**1302338**	100
ATP-PIK		**2714145**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 6 (see Catalog 5)

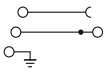
PIK 6... three-level installation terminal blocks

– PIK 6 three-level installation terminal blocks are used for installing larger three-phase loads such as ventilation motors or industrial kitchen ovens
– Same shape as PIK 4 terminal blocks
– The PEN conductor busbar is positioned at the same height for all Phoenix Contact installation terminal blocks
– Since the PIK 6 terminal blocks have a closed housing, cover elements are not used on the end of the terminal strip

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

Notes:

For L/N/PE AKG ... connection terminal blocks and further accessories, see page 94.





6 (10) mm², 41 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor can be disconnected, 1 x PE

Technical data

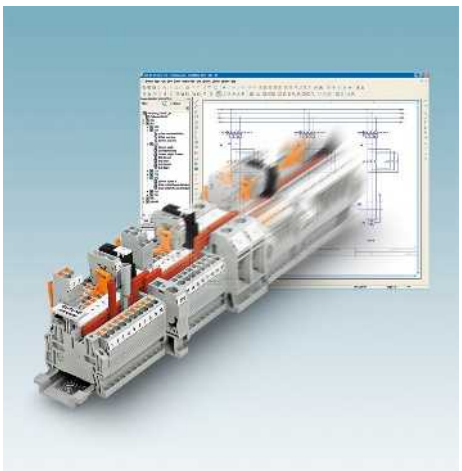
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		8.2	**88**	**51.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		41	**400**	**0.2 - 10** / **24 - 8**
Rated data		IEC 60947-7-1 / IEC 60947-7-2		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400	300	- / -
Phase conductor / phase conductor	[V]	400	-	- / -
Phase conductor / PE	[V]	250	-	- / -
Phase conductor / N	[V]	250	-	- / -
Nominal current / cross section	[A] / [mm²]	41 / 6	30 / -	- / -
Rated cross section	[mm²]	6	-	- / -
Cross section range	AWG	24 - 8	26-8	- / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6 / 0.25 - 4
Two conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			0.5 - 2.5
General data				
Stripping length	[mm]	9		
Terminal point: thread / torque	- / [Nm]	M3 / 0.5 - 0.6		
Disconnect slide: thread / torque	- / [Nm]	M2,5 / 0.5 - 0.6		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V0		

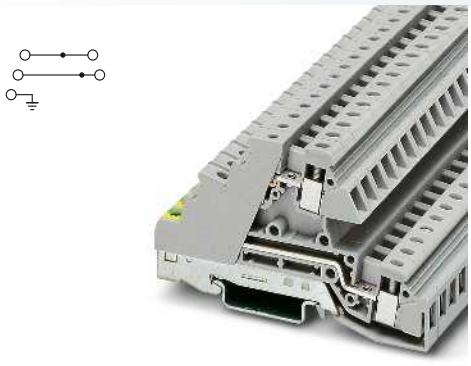
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Three-level installation terminal block, with **PE** connection, phase conductor connection **L** and blue neutral disconnection **NT**		gray	**PIK 6-PE/L/NT**		**2714268**	50
Three-level installation terminal block, with green-yellow **PE** connection and 2 phase conductor connections **L**		gray				
Three-level installation terminal block, with green-yellow **PE** connection, phase conductor connection **L** and blue neutral connection **NT**		gray				
Three-level installation terminal block, with 2 phase conductor connections **L**		gray				

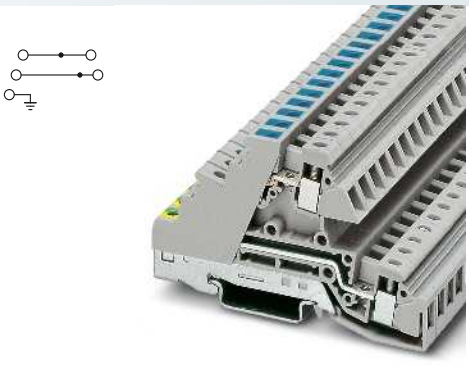
Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, solid up to 16 mm², 10 mm wide		blue	**AKG 16 BU**		**0423014**	50
Up to 35 mm² solid, 14.3 mm wide		blue	**AKG 35 BU**		**0424013**	50
Fixed bridge, insulated	10	silver	**FBRI 10-8 N**	41 A	**2772080**	10
Partition plate, 1.5 mm wide		gray	**ATP-PIK**		**2714145**	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		silver	**NLS-CU 3/10 SN 1000MM**	140 A	**0402174**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**ZB 8 (see Catalog 5)**			

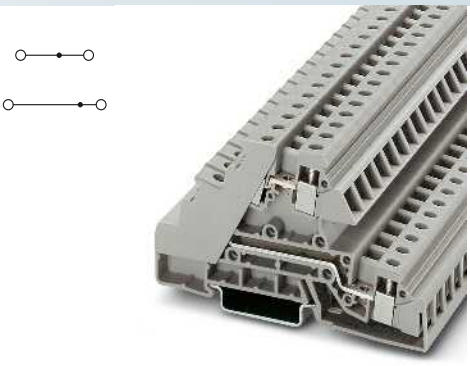




6 (10) mm², 41 A, three-level terminal block, 2 x L phase conductor, 1 x PE



6 (10) mm², 41 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor, 1 x PE



6 (10) mm², 41 A, three-level terminal block, 2 x L phase conductor

Technical data

Width	Length	Height NS 35/7,5	
8.2	**88**	**51.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**400**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
250	-	-	-
-	-	-	-
41 / 6	30 / -	-	-
6	-	-	-
24 - 8	26-8	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 4
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	- 0.5 - 2.5
9			
M3 / 0.5 - 0.6			
- / -			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PIK 6-PE/L/L		**2714271**	50

Accessories

FBRI 10-8 N	41 A	**2772080**	10
ATP-PIK		**2714145**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**88**	**51.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**400**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
250	-	-	-
250	-	-	-
41 / 6	30 / -	-	-
6	-	-	-
24 - 8	26-8	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 4
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	- 0.5 - 2.5
9			
M3 / 0.5 - 0.6			
- / -			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
PIK 6-PE/L/N		**2714297**	50

Accessories

FBRI 10-8 N	41 A	**2772080**	10
ATP-PIK		**2714145**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**88**	**51.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**400**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	300	-	-
400	-	-	-
-	-	-	-
-	-	-	-
41 / 6	30 / -	-	-
6	-	-	-
24 - 8	26-8	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 4
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	- 0.5 - 2.5
9			
M3 / 0.5 - 0.6			
- / -			
0.5 - 0.6			
PA			
V0			

Ordering data

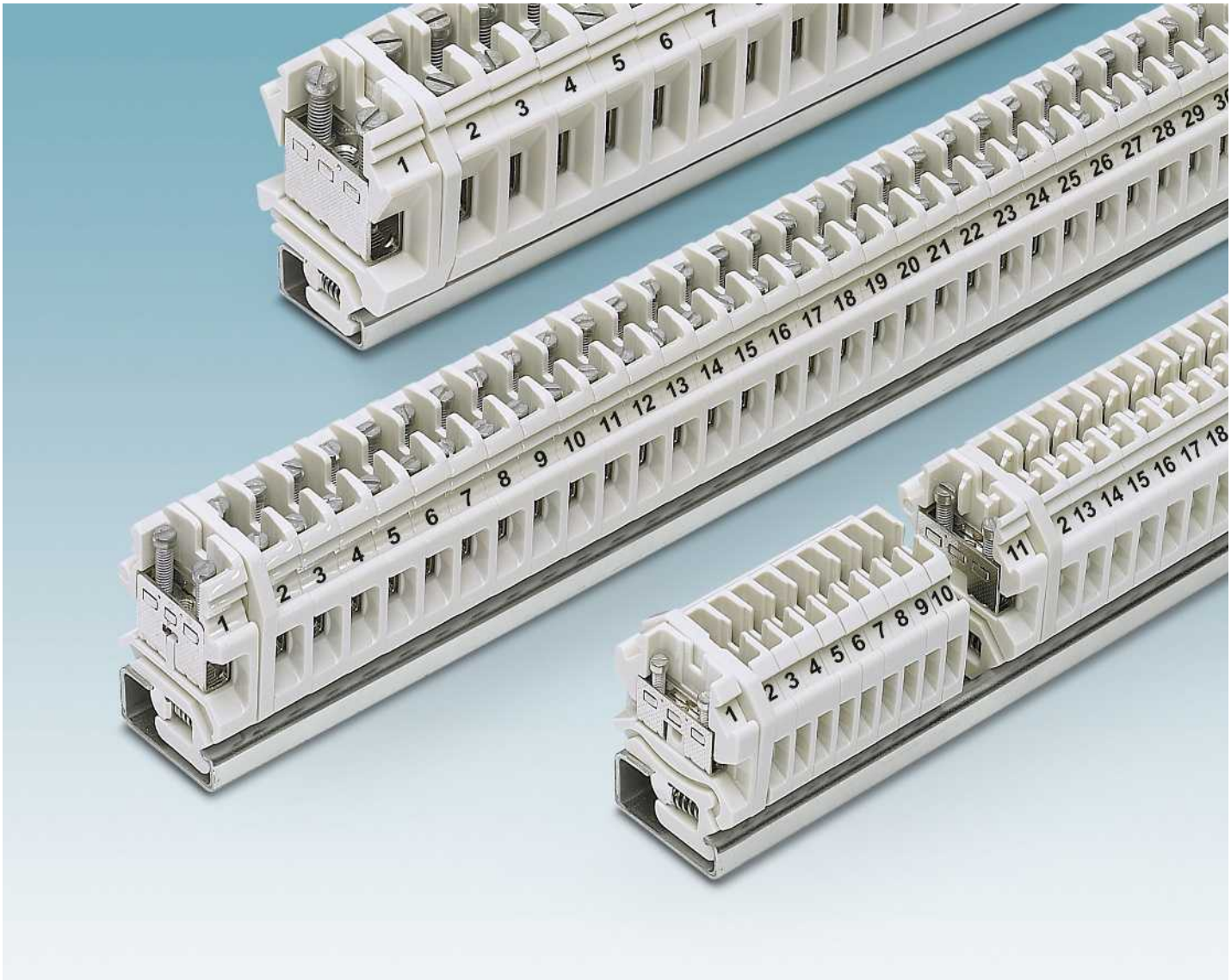
Type	I_{max}	Order No.	Pcs. / Pkt.
PIK 6-L/L		**2714284**	50

Accessories

FBRI 10-8 N	41 A	**2772080**	10
ATP-PIK		**2714145**	50
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

ZB 8 (see Catalog 5)

SSK ceramic terminal blocks





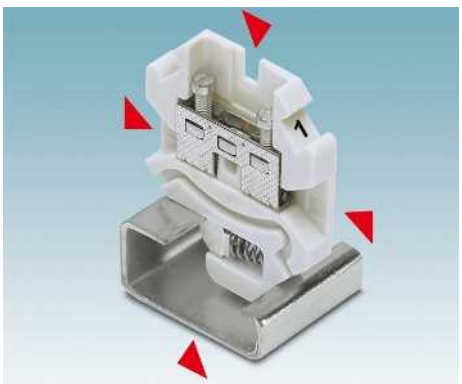
Safe in all applications

The SSK modular terminal blocks with ceramic insulation approved as standard for areas at risk of explosion are recommended for use anywhere with tough operating conditions, especially in terms of temperature and chemical aggressiveness.



For high-temperature applications

One of the key features of the ceramic terminal blocks is that they can be used continuously at high temperatures up to 220Â°C. They are recommended for sites with high thermal requirements and extreme changes in temperature.



Compact design

Given the space-saving design, SSK ceramic terminal blocks are ideally suited to control systems in tight spaces.

SSK ... ceramic feed-through terminal blocks

- Compact design
- Mounting on G DIN rail NS 32
- Securely snapped into place using snap lock in terminal block foot
- Simple potential distribution thanks to chain bridging

Notes:

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.



2.5 (4) mm², 32 A, feed-through terminal block

Ex: KEMA 03ATEX2382U / IECEx KEM 06.0045U

Technical data

Dimensions		Width	Length	Height NS 32
	[mm]	**6.2**	**38**	**48**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		32	**690**	**0.2 - 4** / **24 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	Ex IEC/EN 60079-7
Rated voltage	[V]	690	-	600	440
Nominal current / cross section	[A] / [mm²]	24 / 2.5	- / -	20 / -	32 / 4 // 32 / 4
Rated cross section	[mm²]	2.5	-	-	4
Cross section range	AWG	24 - 12	-	22-12	24 - 12
Connection capacity of screw connection		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		Keramik			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32...		white	**SSK 0525 KER-EX**		**0501059**	50

Accessories[1])

Cover, width 4.2 mm		white	**D-SSK 0525 KER**		**0201061**	50
Chain bridge, with screw	1	silver	**KB- 6**	34 A	**0201472**	100
End clamp, for DIN rail NS 32		silver	**E/1**		**1201044**	100
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**ZB 6 (see Catalog 5)**			

SSK ... ceramic feed-through terminal blocks

- Compact design
- Mounting on G DIN rail NS 32
- Securely snapped into place using snap lock in terminal block foot
- Simple potential distribution thanks to chain bridging

Notes:

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.



6 (10) mm², 57 A, feed-through terminal block

Ex: KEMA 03ATEX2382U / IECEx KEM 06.0045U

Technical data

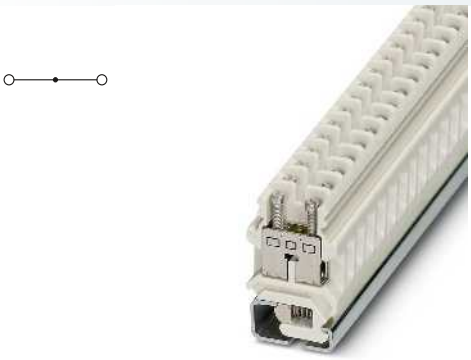
Dimensions		Width	Length	Height NS 32
	[mm]	**8.4**	**38**	**51**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		57	**800**	**0.5 - 10** / **20 - 8**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	Ex IEC/EN 60079-7
Rated voltage	[V]	800	-	600	440
Nominal current / cross section	[A] / [mm²]	41 / 6	- / -	55 / -	40 / 6 // 56 / 10
Rated cross section	[mm²]	6	-	-	6
Cross section range	AWG	20 - 8	-	26-8	20 - 8
Connection capacity of screw connection		solid	stranded	Ferrule	Without / with plastic sleeve
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 4
Two conductors (of the same type)	[mm²]	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
General data					
Stripping length	[mm]	10			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		Keramik			

Ordering data

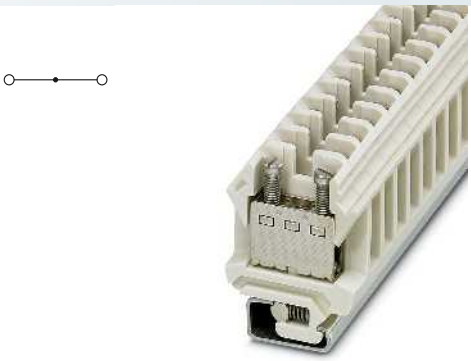
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32...		white	**SSK 110 KER-EX**		**0502058**	50

Accessories[1])

Cover, width 4.2 mm		white	**D-SSK 110 KER**	**0202060**	50
Chain bridge, with screw	1	silver	**KB- 8**	43 A	**0202206**	100
End clamp, for DIN rail NS 32		silver	**E/1**		**1201044**	100
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**ZB 8 (see Catalog 5)**			



10 (16) mm², 76 A, feed-through terminal block



35 (35) mm², 125 A, feed-through terminal block

Ex:
KEMA 03ATEX2382U / IECEx KEM 06.0045U

Technical data

Width	Length	Height NS 32	
10.4	**38**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
76	**800**	**0.5 - 16**	**20 - 6**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	-	600	440
57 / 10	- / -	80 / -	57 / 10 // 74 / 16
10	-	-	10
20 - 6	-	24-6	20 - 6
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 4	-
			0.5 - 6
11			
M4			
1.5 - 1.8			
Keramik			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
SSK 116 KER-EX		**0503057**	50

Accessories[1])

D-SSK 116 KER		**0203069**	50
KB- 10	57 A	**0203205**	100
E/1		**1201044**	100
SZS 1,0X4,0 VDE		**1205066**	10

ZB 10 (see Catalog 5)

Ex:
KEMA 03ATEX2382U / IECEx KEM 06.0045U

Technical data

Width	Length	Height NS 32	
15.3	**53**	**67**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
125	**800**	**1 - 35**	**18 - 2**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	-	-	690
125 / 35	- / -	-	101 / 25 // 125 / 35
35	-	-	25
18 - 2	-	-	18 - 2
solid	stranded	Ferrule Without / with plastic sleeve	
1 - 35	1 - 25	0.75 - 25	0.75 - 16
0.75 - 10	0.75 - 10	0.75 - 10	-
			0.75 - 10
16			
M6			
3.2 - 3.7			
Keramik			

Ordering data

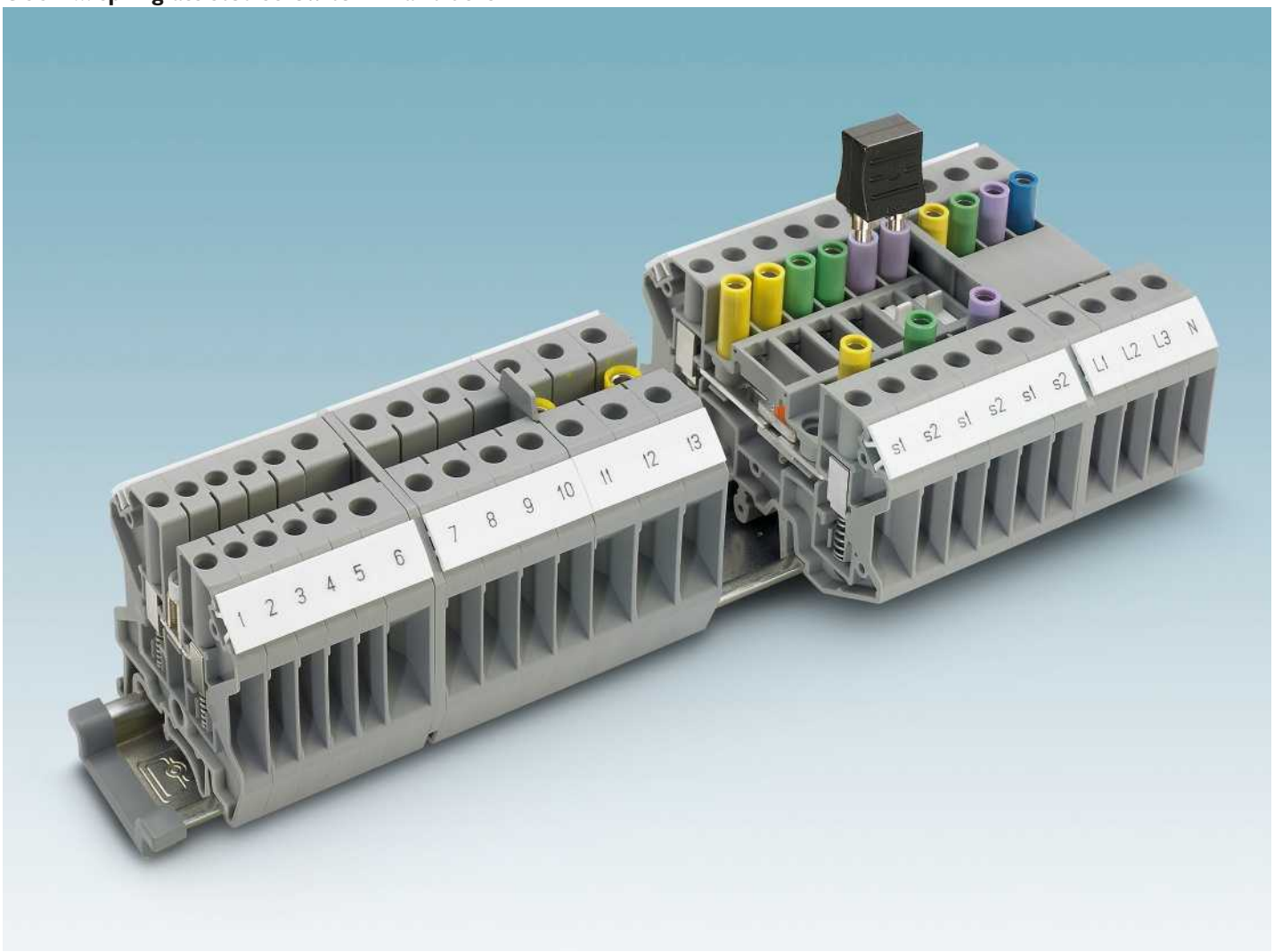
Type	I_{max}	Order No.	Pcs. / Pkt.
SSK 135 KER-EX		**0505055**	10

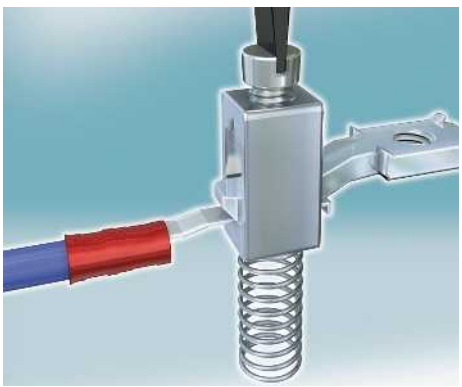
Accessories[1])

D-SSK 135 KER		**0205067**	50
KBI- 15	108 A	**0205203**	10
E/1		**1201044**	100
SZS 1,0X4,0 VDE		**1205066**	10

ZB 15 (see Catalog 5)

USST ... spring-assisted screw terminal blocks





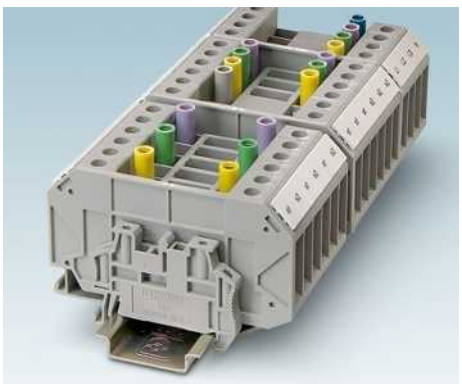
Spring-assisted screw connection

The opened terminal block body is pressed down to make contact with the conductor.
Tightening the terminal screw produces the perfect electric connection.



Hooked cable lug

This cable lug is shaped like a hook, allowing it to lock in the spring in the terminal block body for a secure connection.



Test accessories

The familiar test, switching, and bridging accessories from Phoenix Contact are used in the USST modular terminal blocks.

USST 4 spring-assisted feed-through terminal block

- The USST ... modular terminal blocks were developed especially for use in the energy supply sector
- When combined with hook-type cable lugs, the spring-assisted screw terminal blocks optimally meet the technical requirements of ENATS 50-18
- Universal foot for mounting on NS 32 and or NS 35 DIN rails
- The bridge bar isolator switching jumpers ISSBI ... enable switchable cross connections with IS-K ... . The screw functions as a current-carrying switching element
- Large labeling option of every terminal point

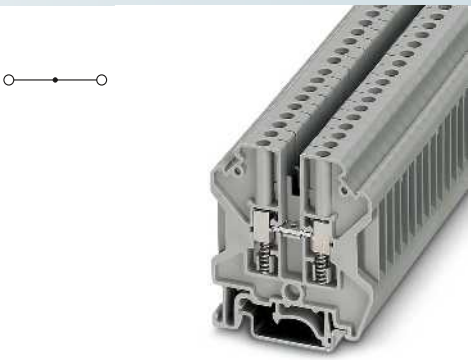
Space-saving conductor connection

The flat-ribbon cable lugs with C-BCI ... SO hooks enable vertical crimping (see figure below), which means that conductors in with nominal cross section can be wired without loss of pitch in a way that saves space. Further information about flat-ribbon cable lugs with hooks can be found at www.phoenixcontact.net/products.



Notes:

Corresponding flat-ribbon cable lugs with C-BCI ... hooks can be found in Catalog 5 or at www.phoenixcontact.net/products



4 (6) mm², 41 A, feed-through terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**52**	**57.3**
Dimensions		Width	Length	Height NS 32
	[mm]	**6.2**	**52**	**62.3**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		41	**500**	**0.2 - 6** / **24 - 10**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	300	- / -
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	- / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 10	24-10	- / -
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4 / 0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			/ 0.5 - 2.5
General data				
Stripping length	[mm]	10		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**USST 4**		**3070338**	50

Accessories

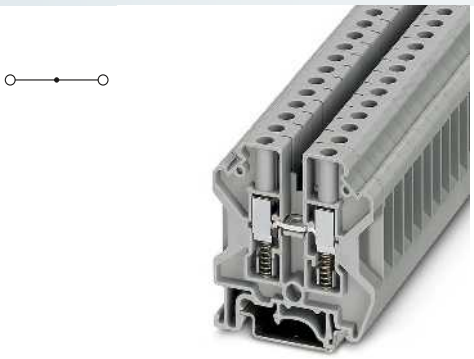
Cover, width 2.2 mm		gray	**D-USST 4/10**		**3070370**	50
Partition plate, 2 mm wide		gray	**TPNS-UK**		**0706647**	50
Fixed bridge, insulated	10	silver	**FBI 10- 6**	38 A	**0203250**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6**	30 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		**1302338**	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-USST 4/10**		**3070383**	50
Test socket		silver	**PSB 3/10/4**		**0601292**	10
Test socket, insulated, can be used only with FBI and ISSBI		silver	**PSBJ 3/13/4**		**0201304**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**			

USST 6 and USST 10 spring-assisted feed-through terminal block

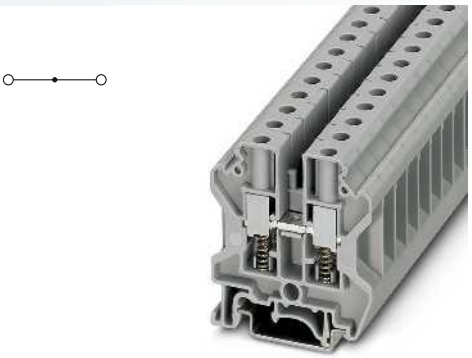
– USST 4 to USST 10 terminal blocks are the same shape

Notes:

For other test sockets, see page 637.



6 (10) mm², 57 A, feed-through terminal block



10 (16) mm², 76 A, feed-through terminal block

Technical data

Dimensions	Width	Length	Height NS 35/7,5		
[mm]	**8.2**	**52**	**57.3**		
Dimensions	Width	Length	Height NS 32		
[mm]	**8.2**	**52**	**62.3**		
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
	57	**500**	**0.2 - 10**	**24 - 8**	
Rated data	IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7	
Rated voltage [V]	500	300	-	-	
Nominal current / cross section [A] / [mm²]	41 / 6	30 / -	-	-	
Rated cross section [mm²]	6	-	-	-	
Cross section range AWG	24 - 8	24-10	-	-	
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve		
1 conductor [mm²]	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6	
Two conductors (of the same type) [mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-	
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 4	
General data					
Stripping length [mm]	12				
Screw thread	M4				
Tightening torque [Nm]	1.5 - 1.8				
Insulating material	PA				
Inflammability class according to UL 94	V0				

Technical data

Width	Length	Height NS 35/7,5		
10.2	**52**	**57.3**		
Width	Length	Height NS 32		
10.2	**52**	**62.3**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
76	**500**	**0.5 - 16**	**20 - 6**	
IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7	
500	300	-	-	
57 / 10	65 / -	-	-	
10	-	-	-	
20 - 6	20-6	-	-	
solid	stranded	Ferrule Without / with plastic sleeve		
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6	
0.5 - 4	0.5 - 4	0.5 - 2.5	-	
			0.5 - 6	
12				
M4				
1.5 - 1.8				
PA				
V0				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**USST 6**		**3070341**	50

Accessories

Cover, width 2.2 mm		gray	**D-USST 4/10**	**3070370**	50
Partition plate, 2 mm wide		gray	**TPNS-UK**	**0706647**	50
Fixed bridge, insulated	10	silver	**FBI 10- 8** 52 A	**0203263**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 8** 38 A	**0301534**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 10**	**1303337**	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-USST 4/10**	**3070383**	50
Test socket, for test connection with PS test plug		silver	**PSB 4/7/6**	**0303299**	10
Test socket, insulated, for UK 6 N, UK 10 N and URTK/SP and USST 10 terminal blocks, M4 thread		transparent			
		blue			
		yellow			
		green			
		violet			
		red			
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., $I_{max.}$ 20 A		black	**KSS 8**	**0311540**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, with an 8.2 mm pitch		black	**KSS 4- 8**	**0309549**	10
Screwdriver			**SZS 1,0X4,0 VDE**	**1205066**	10
Lateral groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**		

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
USST 10		**3070354**	50

Accessories

D-USST 4/10	**3070370**	50
TPNS-UK	**0706647**	50
FBI 10-10 70 A	**0203276**	10
ISSBI 10-10 41 A	**0301521**	10
IS-K 10	**1303337**	100
TS-USST 4/10	**3070383**	50
PSB 4/7/6	**0303299**	10
PSBJ 4/15/6 FARBLOS	**0303419**	10
PSBJ 4/15/6 BU	**0303354**	10
PSBJ 4/15/6 YE	**0303367**	10
PSBJ 4/15/6 GN	**0303370**	10
PSBJ 4/15/6 VT	**0303383**	10
PSBJ 4/15/6 RD	**0303325**	10
KSS 10	**0310541**	10
KSS 4-10	**0308540**	10
SZS 1,0X4,0 VDE	**1205066**	10
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)		

Spring-assisted disconnect and knife disconnect terminal blocks

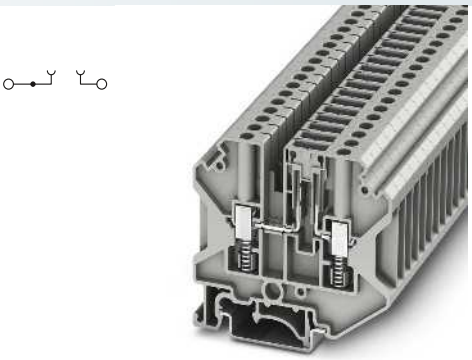
- Standardized disconnect zone
- Various function plugs are available for use in the disconnect terminal blocks
- For corresponding function plugs, see page 480

Notes:

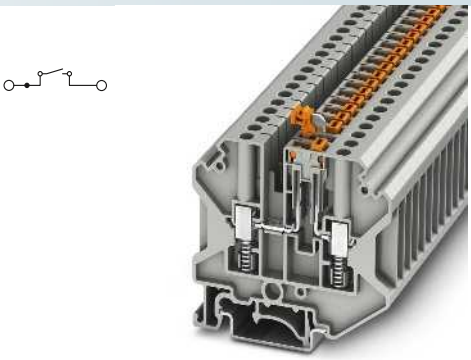
Corresponding flat-ribbon cable lugs with C-BCI ... hooks can be found in Catalog 5 or at www.phoenixcontact.net/products

For corresponding function plugs, see page 480.

1) $U_{max.}$ 300 V



4 (6) mm², 20 A, disconnect terminal block, 2 connections



4 (6) mm², 20 A, knife disconnect terminal block, 2 connections

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**6.2**	**63.4**	**57.3**	
Dimensions	Width	Length	Height NS 32	
[mm]	**6.2**	**63.4**	**62.3**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	20	**500**	**0.2 - 6**	**24 - 10**
Rated data	IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	-	-	-
Nominal current / cross section [A] / [mm²]	20 / 4	- / -	-	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 10	-	-	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type) [mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 2.5
General data				
Stripping length [mm]	10			
Screw thread	M3			
Tightening torque [Nm]	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**6.2**	**63.4**	**57.3**	
Dimensions	Width	Length	Height NS 32	
[mm]	**6.2**	**63.4**	**62.3**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	20	**500**	**0.2 - 6**	**24 - 10**
Rated data	IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	-	-	-
Nominal current / cross section [A] / [mm²]	20 / 4	- / -	-	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 10	-	-	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type) [mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 2.5
General data				
Stripping length [mm]	10			
Screw thread	M3			
Tightening torque [Nm]	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**USST 4-TG**		**3070301**	50
With test socket screws1)		gray	**USST 4-TG P/P**		**3070303**	50

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**USST 4-MT**		**3070300**	50
With test socket screws1)		gray	**USST 4-MT P/P**		**3070302**	50

Accessories

Cover, width 2.2 mm			**D-USST 4-MT**		**3070304**	50
Partition plate, 2 mm wide		gray	**TPNS-UK**		**0706647**	50
Fixed bridge, insulated	10	silver	**FBI 10- 6**	38 A	**0203250**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6**	30 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		**1302338**	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-USST 4/10**		**3070383**	50
Test socket		silver	**PSB 3/10/4**		**0601292**	10
Test socket, insulated, can be used only with FBI and ISSBI		silver	**PSBJ 3/13/4**		**0201304**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Screwdriver, for disconnect slide and test socket			**SZG 0,6X3,5 VDE**		**1205121**	10
Lateral groove labeling			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**			

Accessories

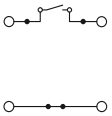
Cover, width 2.2 mm			**D-USST 4-MT**		**3070304**	50
Partition plate, 2 mm wide		gray	**TPNS-UK**		**0706647**	50
Fixed bridge, insulated	10	silver	**FBI 10- 6**	38 A	**0203250**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6**	30 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		**1302338**	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-USST 4/10**		**3070383**	50
Test socket		silver	**PSB 3/10/4**		**0601292**	10
Test socket, insulated, can be used only with FBI and ISSBI		silver	**PSBJ 3/13/4**		**0201304**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Screwdriver, for disconnect slide and test socket			**SZG 0,6X3,5 VDE**		**1205121**	10
Lateral groove labeling			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)**			

Spring-assisted test disconnect and feed-through terminal blocks

– The USST 6 test disconnect terminal block was specifically developed for use in current transformer secondary circuits
– Can be fitted on both sides with fixed bridges as well as test sockets with a 4 mm diameter
– Terminal block and accessories were designed to be touch-proof as per BGV A2

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

Notes:
For more test sockets, visit www.phoenixcontact.net/products
For more short-circuit plugs, visit www.phoenixcontact.net/products
1) When the switching jumper is used, $U_{max.}$ is reduced to 400 V.





6 (10) mm², 30 A, test disconnect terminal block

Technical data

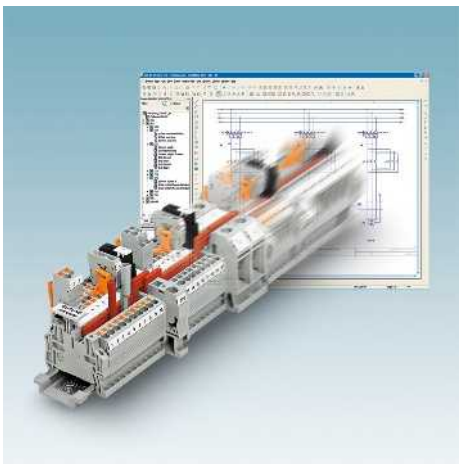
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		8.2	**82**	**52**
Dimensions				
	[mm]	Width	Length	Height NS 32
		8.2	**82**	**57**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		57	**500**	**0.2 - 10** / **24 - 8**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	300	-
Nominal current / cross section	[A] / [mm²]	41 / 6	30 / -	-
Rated cross section	[mm²]	6	-	-
Cross section range	AWG	24 - 8	24-10	-
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6 / 0.25 - 6
Two conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5 / -
Two stranded conductors with a TWIN ferrule	[mm²]			- / 0.5 - 4
General data				
Stripping length	[mm]	12		
Screw thread		M4		
Tightening torque	[Nm]	1.5 - 1.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

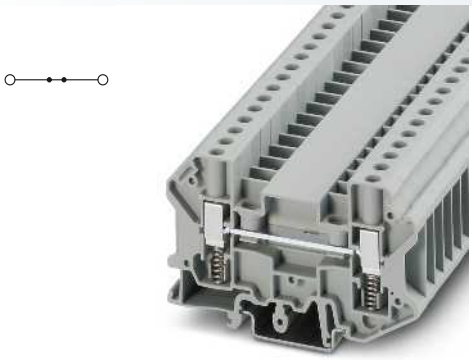
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Test disconnect terminal block, for mounting on NS 32... or NS 35...		gray	**USST 6-T**		**3070312**	50
Feed-through terminal block, for mounting on NS 32... or NS 35...		gray				

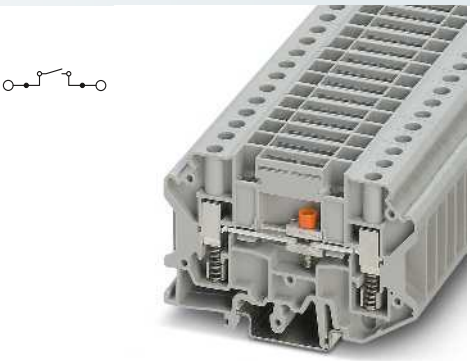
Accessories

Cover, width 2.2 mm		gray	**D-USST 6-T**		**3070367**	50
Switching jumper, complete	2	orange				
	3	orange				
	4	orange				
Fixed bridge, insulated	10	silver	**FBRI 10-8 N**	45 A	**2772080**	10
Isolator bridge bar, 10-pos.	10	silver	**SCBI 10-8,15 ISO**		**3000417**	10
Switching lock, excludes the possibility of an unintentional operation of the disconnect slide		white	**S-URTK/SP**		**0311155**	50
Test socket						
Female test plug, insulated		transparent	**PSBJ-URTK 6 FARBLOS**		**3026450**	10
		blue	**PSBJ-URTK 6 BU**		**3026434**	10
		yellow	**PSBJ-URTK 6 YE**		**3026405**	10
		green	**PSBJ-URTK 6 GN**		**3026418**	10
		violet	**PSBJ-URTK 6 VT**		**3026421**	10
		black	**PSBJ-URTK 6 BK**		**3026447**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., $I_{max.}$ 20 A		black	**KSS 8**		**0311540**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, with an 8.2 mm pitch		black	**KSS 4- 8**		**0309549**	10
Screwdriver			**SZS 1,0X4,0 VDE**		**1205066**	10
Screwdriver, for disconnect slide and test socket			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**			





6 (10) mm², 57 A, feed-through terminal block, same shape



6 (10) mm², 30 A, test disconnect terminal block, for accommodating switching jumpers, 2 connections

Technical data

Width	Length	Height NS 35/7,5	
8.2	**82**	**52**	
Width	Length	Height NS 32	
8.2	**82**	**57**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57	**500**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500	300	-	-
41 / 6	30 / -	-	-
6	-	-	-
24 - 8	24-10	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
12			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
USSTD 6		**3070325**	50

Accessories

D-USST 6-T		**3070367**	50
FBRI 10-8 N	45 A	**2772080**	10
SCBI 10-8,15 ISO		**3000417**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 BU		**3026434**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 VT		**3026421**	10
PSBJ-URTK 6 BK		**3026447**	10
KSS 8		**0311540**	10
KSS 4- 8		**0309549**	10
SZS 1,0X4,0 VDE		**1205066**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**82**	**52**	
Width	Length	Height NS 32	
8.2	**82**	**57**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57	**500[1])**	**0.2 - 10**	**24 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
500[1])	300	-	-
41 / 6	30 / -	-	-
6	-	-	-
24 - 8	24-10	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
			0.5 - 4
12			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

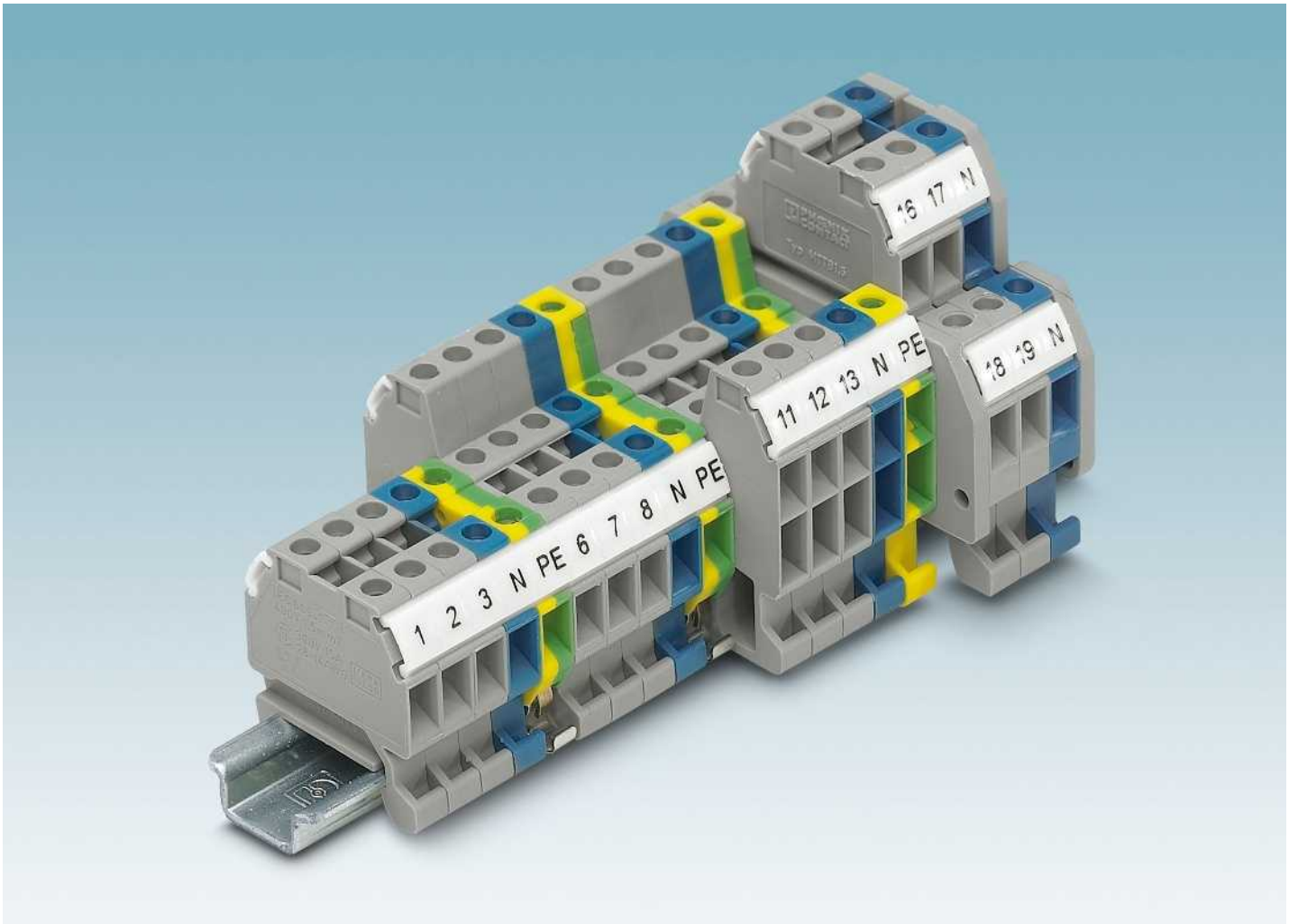
Type	I_{max}	Order No.	Pcs. / Pkt.
USST 6-T/SB		**3070310**	50

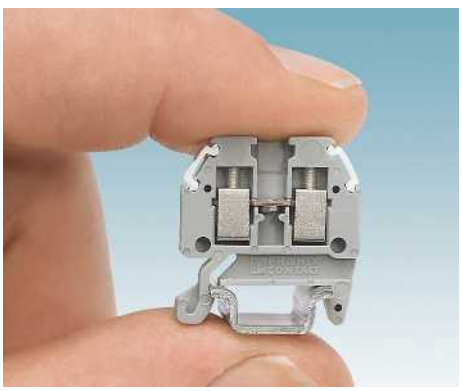
Accessories

D-USST 6-T		**3070367**	50
SB 6-T 2-8	32 A	**3075842**	10
SB 6-T 3-8	32 A	**3075843**	10
SB 6-T 4-8	32 A	**3075844**	10
FBRI 10-8 N	30 A	**2772080**	10
SCBI 10-8,15 ISO	24 A	**3000417**	10
TPS 3/20/5		**3246586**	10
KSS 8		**0311540**	10
SZS 1,0X4,0 VDE		**1205066**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

MT... miniature terminal blocks





Miniature modular terminal blocks

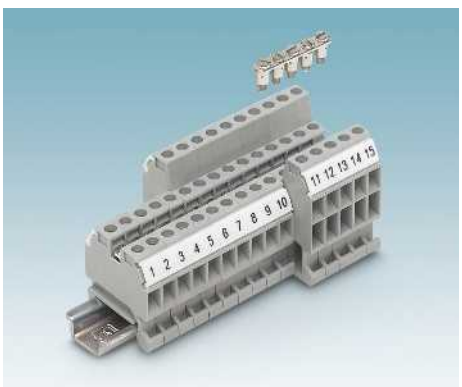
The MT miniature screw terminal blocks may be tiny but they can be labeled and bridged just like their larger cousins. With a pitch of 4.2 mm and a connection cross section of 1.5 mm², they permit convenient wiring in tight spaces.



Universal and zero-maintenance

The screw connection of the MT miniature terminal blocks is characterized by three main features.

– Global standard
– Multiple conductor connection
– Zero maintenance thanks to Reakdyn principle



Continuous potential distribution

Potential branching is one of the most common tasks in control unit construction. The MT miniature terminal blocks are available as three and four-conductor terminal blocks. A large number of switching tasks can be undertaken in the terminal strip with the linear bridge shaft.

MT ... miniature feed-through terminal block, for NS 15 DIN rail

Thanks to their compact design, MT 1,5 micro terminals can keep pace with the growing need for ever smaller switch boxes.

The miniature terminal blocks have everything that makes the modular terminal blocks stand out:

– Design width of just 4.2 mm
– Nominal cross section of 1.5 mm²
– Snap-on foot for NS 15 DIN rails
– Numerous labeling options
– Bridging facility in terminal center

Potential branching is one of the main tasks of modular terminal blocks in control unit construction.

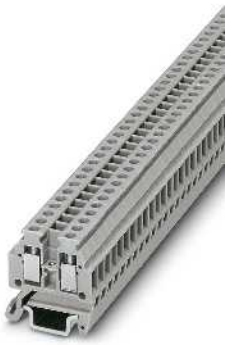
– The MT 1,5-TWIN or MT 1,5-QUATTRO three or four-conductor terminal blocks undertake this work in very tight spaces
– The amount of space saved is maximized with the MTTB 1,5 double-level micro terminal
– This double-level terminal block contains two feed-through levels which can be bridged independently of one another
– Can be used on both 15 mm NS 15 DIN rails and 35 mm NS 35 DIN rail

Mini terminal blocks with plug-in bridge

– The new mini terminal blocks with MUT plug-in bridge can be found in the "UT screw connection terminal blocks" section

Notes:

For mini screw terminal blocks with plug-in bridges, see page 80



1.5 (1.5) mm², 17.5 A, feed-through terminal block

CCA

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 15
		4.2	**22**	**23.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		17.5	**400**	**0.14 - 1.5** / **26 - 16**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	26 - 16	30-14	28-14	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
Two conductors (of the same type)	[mm²]	0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
General data					
Stripping length	[mm]	6			
Screw thread		M2			
Tightening torque	[Nm]	0.22 - 0.25			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 15 in acc. with EN 60715		gray	**MT 1,5**		**3100305**	50
		blue	**MT 1,5 BU**		**3003363**	50

Accessories

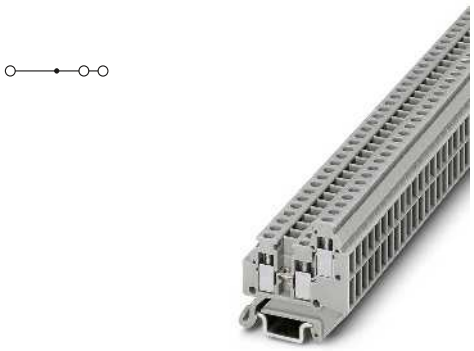
Cover, width 1 mm		gray	**D-MT 1,5**		**3100321**	50
		blue	**D-MT 1,5 BU**		**3025529**	50
Fixed bridge, insulated	10	silver	**FBRN 10-4 N**	12 A	**3001624**	10
Screwdriver			**SZS 0,4X2,5 VDE**		**1205037**	10
Lateral groove labeling			**ZBF 4 (see Catalog 5)**			

MT ... miniature feed-through terminal block with 3 and 4 connections, for NS 15 DIN rail

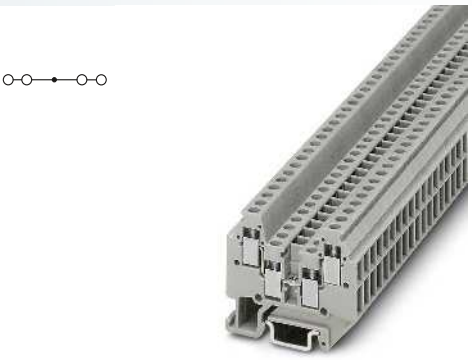
– Design width of just 4.2 mm
– Nominal cross section of 1.5 mm²
– Snap-on foot for NS 15 DIN rails
– Numerous labeling options
– Bridging facility in terminal center

Notes:

1) The total current of all connected conductors must not exceed the max. load current.



1.5 (1.5) mm², 17.5 A, feed-through terminal block, 3 connections



1.5 (1.5) mm², 16 A, feed-through terminal block, 4 connections

CCA

CCA

Technical data

Dimensions		Width	Length	Height NS 15	
	[mm]	4.2	28	30	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		17.5[1])	400	0.14 - 1.5	26 - 16
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	26 - 16	30-14	28-14	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
Two conductors (of the same type)	[mm²]	0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
General data					
Stripping length	[mm]	6			
Screw thread		M2			
Tightening torque	[Nm]	0.22 - 0.25			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

		Width	Length	Height NS 15	
	[mm]	4.2	33.5	30	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		16[1])	400	0.14 - 1.5	26 - 16
		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	16 / 1.5	15 / -	15 / -	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	26 - 16	30-14	28-14	-
		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
Two conductors (of the same type)	[mm²]	0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
		6			
		M2			
		0.22 - 0.25			
		PA			
		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 15 in acc. with EN 60715		gray	**MT 1,5-TWIN**		**3001682**	50
		blue	**MT 1,5-TWIN BU**		**3025532**	50

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
MT 1,5-QUATTRO		**3001679**	50
MT 1,5-QUATTRO BU		**3025150**	50

Accessories

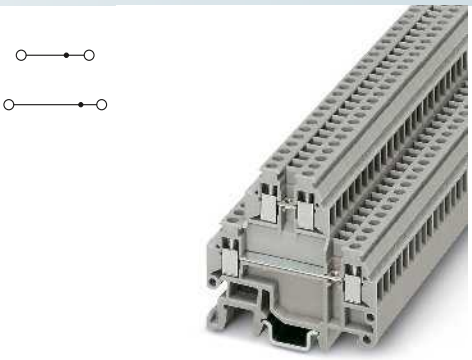
Cover, width 1 mm		gray	**D-MT 1,5-TWIN**		**3002979**	50
		blue	**D-MT 1,5-TWIN BU**		**3025545**	50
Fixed bridge, insulated	10	silver	**FBRN 10-4 N**	12 A	**3001624**	10
Screwdriver			**SZS 0,4X2,5 VDE**		**1205037**	10
Lateral groove labeling			**ZBF 4 (see Catalog 5)**			

Accessories

D-MT 1,5-QUATTRO		**3002982**	50
D-MT 1,5-QUATTRO BU		**3025309**	50
FBRN 10-4 N	12 A	**3001624**	10
SZS 0,4X2,5 VDE		**1205037**	10
ZBF 4 (see Catalog 5)			

MTTB 1,5 miniature double-level terminal blocks

- Design width of just 4.2 mm
- Nominal cross section of 1.5 mm²
- Snap-on foot for NS 15 and NS 35 DIN rails
- Numerous labeling options
- Bridging facility on both levels
- Even if fully wired, the level offset offers unobstructed access to the lower connection level



1.5 (1.5) mm², 17.5 A, double-level terminal block

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**4.2**	**44**	**41**	
Dimensions	Width	Length	Height NS 15	
[mm]	**4.2**	**44**	**41**	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	17.5	**400**	**0.14 - 1.5**	**26 - 16**
Rated data	IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400	300	300	-
Nominal current / cross section [A] / [mm²]	17.5 / 1.5	15 / -	15 / -	-
Rated cross section [mm²]	1.5	-	-	-
Cross section range AWG	26 - 16	30-14	28-14	-
Connection capacity	solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor [mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
Two conductors (of the same type) [mm²]	0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
General data				
Stripping length [mm]	6			
Screw thread	M2			
Tightening torque [Nm]	0.22 - 0.25			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Double-level terminal block, with universal foot, for mounting on NS 15 or NS 35 in accordance with EN 60715		gray	**MTTB 1,5**		**1414129**	50
		blue	**MTTB 1,5 BU**		**3000926**	50

Accessories

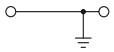
Cover, width 1 mm		gray	**D-MTTB 1,5**		**3002665**	50
		gray	**DG-MTTB 1,5**		**3002678**	50
Spacer plate, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2 mm thick		gray	**DP-MTTB 1,5**		**3002681**	50
Fixed bridge, insulated	10	silver	**FBRN 10-4 N**	12 A	**3001624**	10
Screwdriver			**SZS 0,4X2,5 VDE**		**1205037**	10
Lateral groove labeling			**ZBF 4 (see Catalog 5)**			

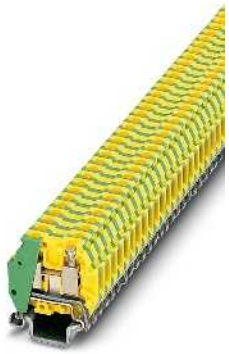
MT ...-PE miniature ground terminal blocks, for NS 15 DIN rails

- Same shape and pitch as the feed-through terminal blocks
- The MT ...-PE meet all the requirements of standard IEC 60947-7-2
  These are in particular:
- Low contact resistance
- Green-yellow housing
- Corrosion-proof terminal points
- Captive clamping screws

Notes:

For current carrying capacity of DIN rails, see page 716.





1.5 (1.5) mm², ground terminal block

CCA

Technical data

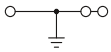
Dimensions		Width	Length	Height NS 15
	[mm]	**4.2**	**22**	**23.5**
Max. electrical data				max. Ø [mm²] / AWG
				0.14 - 1.5 / 26 - 16
Rated data		IEC 60947-7-2 IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	-	- / -	- / -
Rated cross section	[mm²]	1.5	-	- / -
Cross section range	AWG	26 - 16	30-14	28-14 / -
Connection capacity		solid	stranded	Ferrule: Without / with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75 / 0.25 - 0.75
Two conductors (of the same type)	[mm²]	0.14 - 0.5	0.14 - 0.5	0.25 - 0.34 / -
General data				
Stripping length	[mm]	6		
Screw thread		M2		
Tightening torque	[Nm]	0.22 - 0.25		
Insulating material		PA		
Inflammability class according to UL 94		V0		

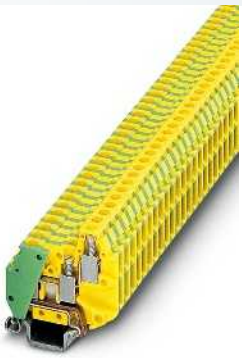
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Ground terminal block, for mounting on NS 15	green-yellow	**MT 1,5-PE**	**3100318**	50

Accessories

Screwdriver	**SZS 0,4X2,5 VDE**	**1205037**	10
Lateral groove labeling	**ZBF 4 (see Catalog 5)**		





1.5 (1.5) mm², ground terminal block, 3 connections

CCA

Technical data

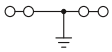
Width	Length	Height NS 15	
4.2	**28**	**30**	
		max. Ø [mm²]	AWG
		0.14 - 1.5	**26 - 16**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
1.5	-	-	-
26 - 16	30-14	28-14	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
6			
M2			
0.22 - 0.25			
PA			
V0			

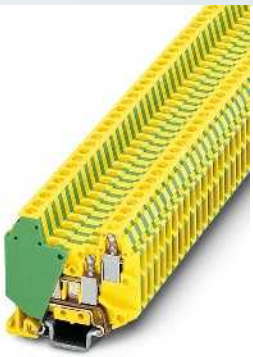
Ordering data

Type	Order No.	Pcs. / Pkt.
MT 1,5-TWIN-PE	**3001705**	50

Accessories

SZS 0,4X2,5 VDE	**1205037**	10
ZBF 4 (see Catalog 5)		





1.5 (1.5) mm², ground terminal block, 4 connections

CCA

Technical data

Width	Length	Height NS 15	
4.2	**33.5**	**30**	
		max. Ø [mm²]	AWG
		0.14 - 1.5	**26 - 16**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
1.5	-	-	-
26 - 16	30-14	28-14	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
6			
M2			
0.22 - 0.25			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
MT 1,5-QUATTRO-PE	**3001695**	50

Accessories

SZS 0,4X2,5 VDE	**1205037**	10
ZBF 4 (see Catalog 5)		

MBK ... miniature feed-through terminal blocks

- The MBK ... and MSLKG ... terminal blocks represent the top end of the mini terminal block range for 15 mm NS 15 DIN rails
- MBK ... terminal blocks can be bridged in the terminal center
- Lateral marking with ZB zack marker strip terminal marking for tall marker groove
- Cross sections of up to 6 mm² can be easily wired
- Extensive bridging material, such as fixed bridges, insertion bridges and switchable bridges, enable simple and reliable potential branching
- A separating disk, partition plate, and test socket complete the range of accessories

Mini terminal blocks with plug-in bridge

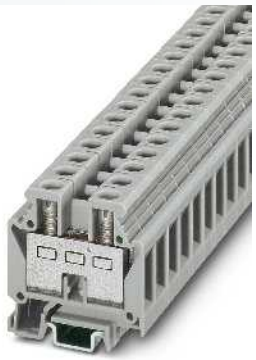
- The new mini terminal blocks with MUT plug-in bridge can be found in the "UT screw connection terminal blocks" section

Notes:

For mini screw terminal blocks with plug-in bridges, see page 80.

For current carrying capacity of DIN rails, see page 716.

[1]) For installation notes on the use of accessories for Ex e applications, see page 710.



6 (10) mm², 57 A, feed-through terminal block

Ex: KEMA 01ATEX2134U / IECEx KEM 07.0008U

Technical data

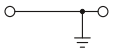
Dimensions		Width	Length	Height NS 15	
	[mm]	**8.2**	**35**	**36**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		57	**500**	**0.5 - 10**	**20 - 8**
Rated data		IEC 60947-7-1			Ex
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	275
Nominal current / cross section	[A] / [mm²]	41 / 6	50 / -	50 / -	37 / 6 // 49 / 10
Rated cross section	[mm²]	6	-	-	6
Cross section range	AWG	20 - 8	26-8	26-8	20 - 8
Connection capacity		solid	stranded	Ferrule	
				Without / with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.25 - 6	0.25 - 6
Two conductors (of the same type)	[mm²]	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 2.5
Max. cross section with insertion bridge	[mm²]	6	4		
General data					
Stripping length	[mm]	10			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

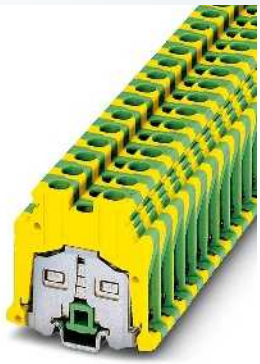
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 15		gray	**MBK 6/E**		**0552024**	50
Ground terminal block, for mounting on NS 15		green-yellow				

Accessories[1])

Cover, width 1 mm		gray	**D-MBK/E**		**1415021**	50
Insertion bridge, fully insulated						
	2	gray	**EB 2- 8**	43 A	**0202154**	100
	3	gray	**EB 3- 8**	43 A	**0202141**	100
	4	gray	**EB 4- 8**	43 A	**0202142**	100
	10	gray	**EB 10- 8**	43 A	**0202138**	10
Fixed bridge, insulated						
	10	silver	**FBI 10- 8**	48 A	**0203263**	10
Switching jumper for 2 terminal blocks, complete, mounted with short or long link according to required separation						
	2	aluminum	**SB 2- 8/13**	43 A	**0202235**	1
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 10**		**1303337**	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Partition plate, for visual and electrical separation of terminal groups, 2.5 mm thick		gray	**ATP-MBK**		**1413227**	50
Test socket, for test connection with PS test plug		silver	**PSB 4/7/6**		**0303299**	10
Screwdriver			**SZS 1,0X4,0 VDE**		**1205066**	10
Lateral groove labeling			**ZB 8 (see Catalog 5)**			





6 (10) mm², ground terminal block

Ex:
KEMA 01ATEX2134U / IECEx KEM 07.0008U

Technical data

Width	Length	Height NS 15	
8.2	**39**	**36**	
		max. Ø [mm²]	AWG
		0.5 - 10	**20 - 8**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	6
20 - 8	26-8	26-8	20 - 8
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.2 - 2.5	0.5 - 1.5	- 0.5 - 2.5

10
M4
1.5 - 1.8
PA
V2

Ordering data

Type	Order No.	Pcs. / Pkt.
MSLKG 6	**1410505**	50

Accessories[1])

SZS 1,0X4,0 VDE	**1205066**	10

ZB 8 (see Catalog 5)

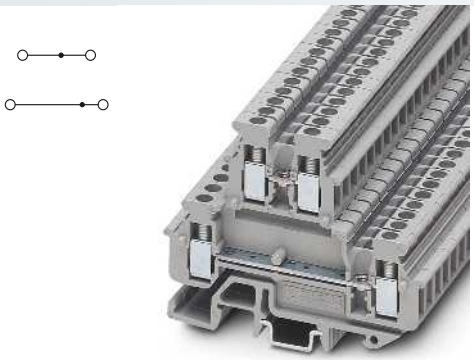
MBKKB 2,5... mini double-level terminal blocks

– The miniature double-level terminal block is characterized by its space-saving, low height and offset levels
– Fixed bridges and test sockets can be inserted on both levels

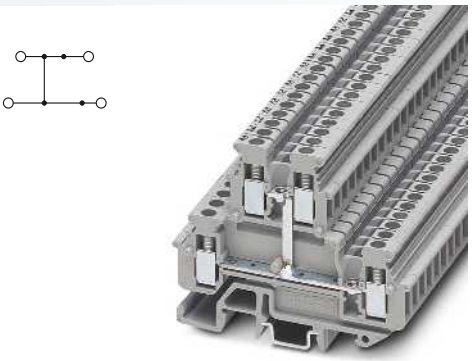
Notes:

1) The total current of all connected conductors must not exceed the max. load current.

2) For installation notes on the use of accessories for Ex e applications, see page 710.



2.5 (4) mm², 24 A, double-level terminal block



2.5 (4) mm², 24 A, double-level terminal block, internally connected levels

Ex:
KEMA 03ATEX2082 U / IECEx KEM 07.0018U

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**62**	**48**	
Dimensions		Width	Length	Height NS 15	
	[mm]	**5.2**	**62**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24	**500**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	Ex IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	275
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	21 / 2.5 // 26 / 4
Rated cross section	[mm²]	2.5	-	-	2.5
Cross section range	AWG	24 - 12	30-12	28-12	24 - 12
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
Max. cross section with insertion bridge	[mm²]	2.5	2.5		
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Technical data

		Width	Length	Height NS 35/7,5	
		5.2	**62**	**48**	
		Width	Length	Height NS 15	
		5.2	**62**	**47.5**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24[1)]	**500**	**0.2 - 4**	**24 - 12**
		IEC 60947-7-1			
		IEC	UL/CUL	CSA	IEC/ EN 60079-7
		500	300	-	-
		24 / 2.5	20 / -	-	-
		2.5	-	-	-
		24 - 12	30-12	-	-
		solid	stranded	Ferrule Without / with plastic sleeve	
		0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
		0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
					0.5 - 1
		2.5	2.5		
		7			
		M3			
		0.5 - 0.6			
		PA			
		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Double-level terminal block, with universal foot, for mounting on NS 15 or NS 35... in accordance with EN 60715		gray	**MBKKB 2,5**		**1414064**	50
		blue	**MBKKB 2,5 BU**		**1414077**	50
Double-level terminal block, with universal foot, for mounting on NS 15 or NS 35... in accordance with EN 60715, with equipotential bonding between the levels[1)]		gray				
		blue				
Accessories[2)]						
Cover, width 2.5 mm		gray	**D-MBKKB 2,5**		**1413052**	50
		blue	**D-MBKKB 2,5 BU**		**1413081**	50
Spacer plate, compensates for level offsets, width 2.5 mm		gray	**DP-MBKKB 2,5**		**1413065**	50
Fixed bridge, insulated						
	2	silver	**FBRNI 2-5 N**	22 A	**3000175**	10
	3	silver	**FBRNI 3-5 N**	22 A	**3000162**	10
	4	silver	**FBRNI 4-5 N**	22 A	**3000159**	10
	10	silver	**FBRNI 10-5 N**	22 A	**2770639**	10
Insertion bridge, for 5.2 mm pitch, fully insulated						
	2	gray	**EB 2- 5**	20 A	**1401158**	100
	3	gray	**EB 3- 5**	20 A	**1401145**	100
	10	gray	**EB 10- 5**	20 A	**1401132**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3 SO**		**2778534**	50
Test socket		silver	**PSB 3/10/4**		**0601292**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**ZB 5 (see Catalog 5)**			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
MBKKB 2,5-PV		**2800583**	50
MBKKB 2,5-PV BU		**1414132**	50
Accessories[2)]			
D-MBKKB 2,5		**1413052**	50
D-MBKKB 2,5 BU		**1413081**	50
DP-MBKKB 2,5		**1413065**	50
FBRNI 2-5 N	22 A	**3000175**	10
FBRNI 3-5 N	22 A	**3000162**	10
FBRNI 4-5 N	22 A	**3000159**	10
FBRNI 10-5 N	22 A	**2770639**	10
EB 2- 5	20 A	**1401158**	100
EB 3- 5	20 A	**1401145**	100
EB 10- 5	20 A	**1401132**	10
TS-KK 3 SO		**2778534**	50
PSB 3/10/4		**0601292**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
ZB 5 (see Catalog 5)			

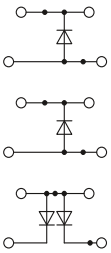
MBKKB 2,5... mini double-level terminal blocks

– Thanks to the different versions of double-level diode terminal blocks, it is possible to carry out a great variety of switching tasks
– The following can be implemented in tight spaces: freewheeling diode circuits, lamp test circuits, reporting and fault reporting circuits

Notes:

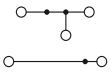
[1]) Data is based on the dielectric strength of adjacent terminal blocks or of the DIN rail.

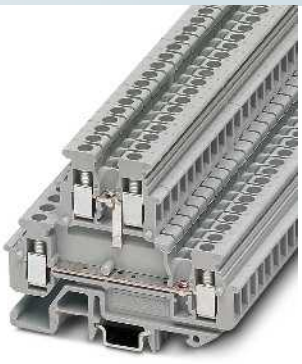
[2]) Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.





With integrated diode 1N 4007





2.5 (4) mm², 24 A, double-level terminal block for soldering in components

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**62**	**48**	
Dimensions		Width	Length	Height NS 15	
	[mm]	**5.2**	**62**	**47.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24	**500[1])**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[1])	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	- / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	2.5	2.5		
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Technical data

		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**62**	**48**	
		Width	Length	Height NS 15	
	[mm]	**5.2**	**62**	**47.5**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24	**500[1])**	**0.2 - 4**	**24 - 12**
		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
	[V]	500[1])	-	-	-
	[A] / [mm²]	24 / 2.5	- / -	-	-
	[mm²]	2.5	-	-	-
	AWG	24 - 12	-	-	-
		solid	stranded	Ferrule Without / with plastic sleeve	
	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
	[mm²]				0.5 - 1.5
	[mm²]	2.5	2.5		
	[mm]	7			
		M3			
	[Nm]	0.5 - 0.6			
		PA			
		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, with integrated diode, conducting from top to bottom[2])		gray	**MBKKB 2,5-DIO/O-U**		**2800567**	50
Terminal block, with integrated diode, conducting from bottom to top[2])		gray	**MBKKB 2,5-DIO/U-O**		**2800570**	50
Terminal block, with integrated diode, conducting from top to bottom left and from top to bottom right[2])		gray	**MBKKB 2,5-2DIO/O-UL/O-UR**		**3003871**	50
Terminal block, for soldering in a component from top to bottom		gray				

Ordering data

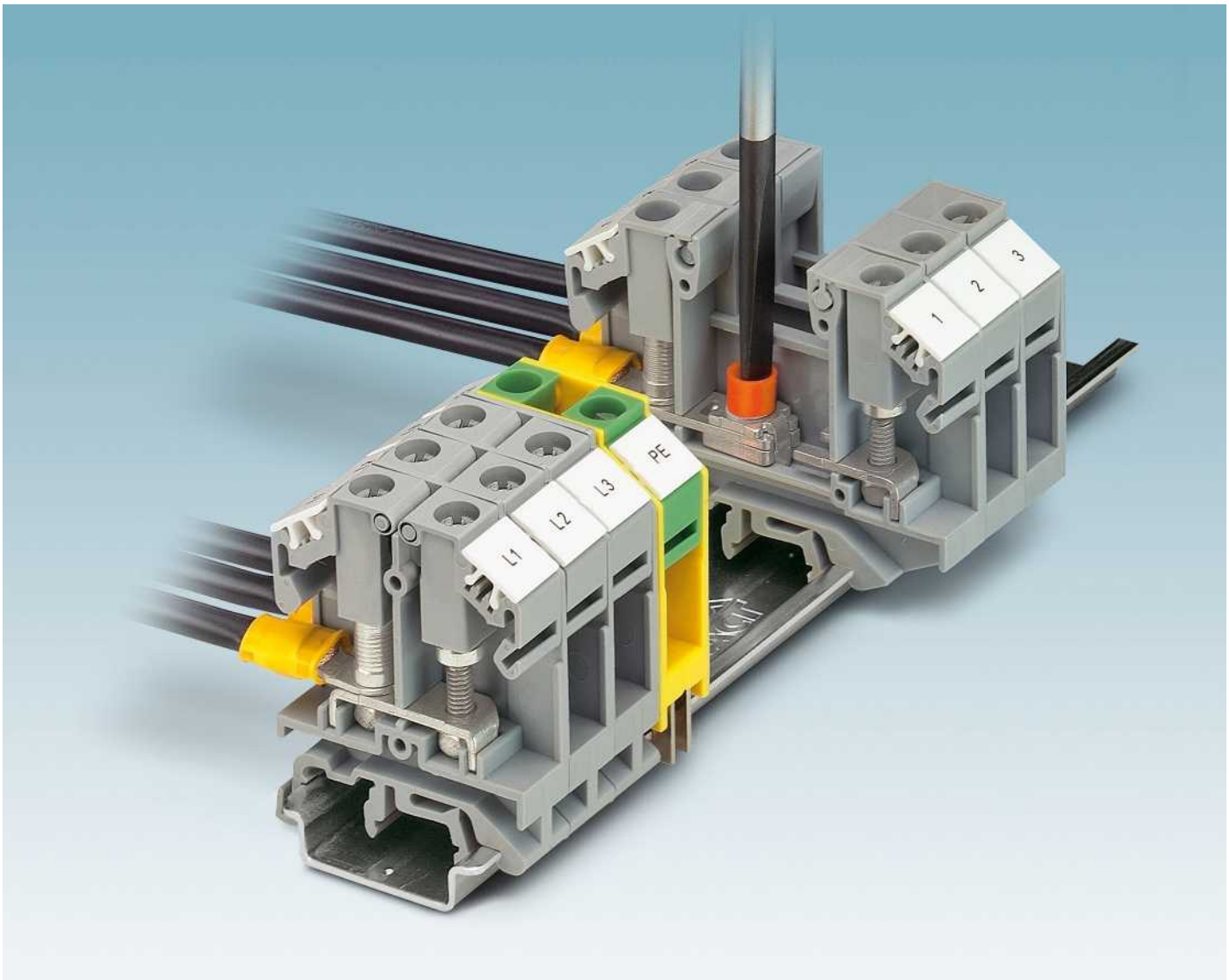
Type	I_{max}	Order No.	Pcs. / Pkt.
MBKKB 2,5-BE		**1414103**	50

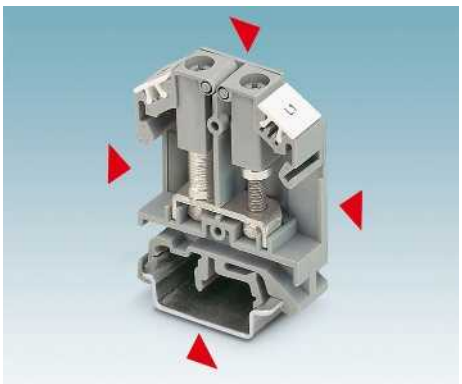
Accessories

Cover, width 2.5 mm		gray	**D-MBKKB 2,5**		**1413052**	50
Spacer plate, compensates for level offsets, width 2.5 mm		gray	**DP-MBKKB 2,5**		**1413065**	50
Fixed bridge, insulated						
	2	silver	**FBRNI 2-5 N**	22 A	**3000175**	10
	3	silver	**FBRNI 3-5 N**	22 A	**3000162**	10
	4	silver	**FBRNI 4-5 N**	22 A	**3000159**	10
	10	silver	**FBRNI 10-5 N**	22 A	**2770639**	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**ZB 5 (see Catalog 5)**			

Accessories

Type		Order No.	Pcs. / Pkt.
D-MBKKB 2,5		**1413052**	50
DP-MBKKB 2,5		**1413065**	50
FBRNI 2-5 N	22 A	**3000175**	10
FBRNI 3-5 N	22 A	**3000162**	10
FBRNI 4-5 N	22 A	**3000159**	10
FBRNI 10-5 N	22 A	**2770639**	10
SF-SL 0,6X3,5-100 S-VDE		**1212587**	10
ZB 5 (see Catalog 5)			





Space-saving design

Thanks to their compact design, OTTA bolt connection terminal blocks are ideally suited for switchgear, in which space is limited.



Fast, convenient conductor connection

The key feature of this range is the folding wing which can be swung up and which features a captive cap nut. This guarantees quick and easy ring cable lug wiring.



Integrated shock protection

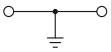
In addition to securing the cap nuts, the folding wing offers simultaneous shock protection when using insulated ring cable lugs.

OTTA ... feed-through and ground terminal blocks

- Convenient and fast conductor connection with captive cap nuts
- Safe use, even in applications which are subject to the most stringent requirements regarding shock and vibration
- Space-saving, compact design
- Integrated screw locking



2.5 (2.5) mm², 24 A, feed-through terminal block





2.5 (2.5) mm², ground terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**9**	**43.5**	**45.5**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**9**	**43.5**	**50.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		24	**800**	**0.1 - 2.5**	**26 - 14**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	26 - 14	-	22-14	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.1 - 2.5			
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 7.6			
Color code	red	1.50 mm²			
	blue	2.50 mm²			
Connection capacity, DIN 46237					
Cable lugs, DIN 46237	[mm²]	0.5 - 2.5			
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 7.6			
General data					
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**OTTA 2,5**		**0790530**	50
With test socket screws		gray	**OTTA 2,5-P/P**		**0790543**	50
Ground terminal block, for mounting on NS 35...		green-yellow				

Accessories

Cover, width 1.5 mm		gray	**D-OTTA 2,5**		**0790569**	50
Insertion bridge						
	2	gray	**EB 2-OTTA 2,5**	24 A	**3026065**	10
	3	gray	**EB 3-OTTA 2,5**	24 A	**3026078**	10
	4	gray	**EB 4-OTTA 2,5**	24 A	**3026081**	10
	5	gray	**EB 5-OTTA 2,5**	24 A	**3026094**	10
	6	gray	**EB 6-OTTA 2,5**	24 A	**3026104**	10
	7	gray	**EB 7-OTTA 2,5**	24 A	**3026117**	10
	10	gray	**EB 10-OTTA 2,5**	24 A	**3026120**	10
Partition plate, for visual and electrical separation of terminal groups, 1.5 mm thick		gray	**ATP-OTTA 2,5**		**0790572**	50
Screwdriver			**SZS 0,6X3,5**		**1205053**	10
Lateral groove labeling			**ZB 8 (see Catalog 5)**			

Technical data

		Width	Length	Height NS 35/7,5	
		10	**43.5**	**45.5**	
		Width	Length	Height NS 32	
		10	**43.5**	**50.5**	
				max. Ø [mm²]	AWG
				0.1 - 2.5	**26 - 14**
		IEC 60947-7-2 IEC	UL/CUL	CSA	IEC/ EN 60079-7
		-	-	-	-
		-	- / -	-	-
		2.5	-	-	-
		26 - 14	-	22-14	-
		0.1 - 2.5			
		3 / 3.2 / 7.6			
		0.5 - 2.5			
		3 / 3.2 / 7.6			
		M3			
		0.6 - 0.8			
		PA			
		V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
OTTA 2,5-PE	**0790556**	50

Accessories

EB 2-OTTA 2,5	**3026065**	10	
EB 3-OTTA 2,5	**3026078**	10	
EB 4-OTTA 2,5	**3026081**	10	
EB 5-OTTA 2,5	**3026094**	10	
EB 6-OTTA 2,5	**3026104**	10	
EB 7-OTTA 2,5	**3026117**	10	
EB 10-OTTA 2,5	**3026120**	10	
ATP-OTTA 2,5	**0790572**	50	
SZS 0,6X3,5	**1205053**	10	
ZB 8 (see Catalog 5)			

OTTA ... feed-through and ground terminal blocks

– Convenient and fast conductor connection with captive cap nuts
– Safe use, even in applications which are subject to the most stringent requirements regarding shock and vibration
– Space-saving, compact design
– Integrated screw locking



6 (6) mm², 41 A, feed-through terminal block

Technical data

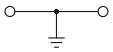
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**11**	**43.5**	**52**
Dimensions		Width	Length	Height NS 32
	[mm]	**11**	**43.5**	**57**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		41	**800**	**0.1 - 6** / **26 - 10**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800	600	600 / -
Nominal current / cross section	[A] / [mm²]	41 / 6	30 / -	30 / - / -
Rated cross section	[mm²]	6	-	- / -
Cross section range	AWG	26 - 10	-	22-10 / -
Connection capacity, DIN 46234				
Cable lugs, DIN 46234	[mm²]	0.1 - 6		
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 9.6		
Color code	red	1.50 mm²		
	blue	2.50 mm²		
	yellow	6.00 mm²		
Connection capacity, DIN 46237				
Cable lugs, DIN 46237	[mm²]	0.5 - 2.5		
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 9.6		
General data				
Screw thread		M4		
Tightening torque	[Nm]	1.5 - 1.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	**OTTA 6**		**0790433**	50
With test socket screws		gray	**OTTA 6-P/P**		**0790404**	50
Ground terminal block, for mounting on NS 35...		green-yellow				
Terminal block, for mounting on NS 35...		gray				
With M6 screws		gray				

Accessories

Cover, width 1.5 mm		gray	**D-OTTA 6**		**0790417**	50
Cover, width 2 mm		gray				
Insertion bridge						
	2	gray	**EB 2- OTTA 6**	41 A	**0790608**	10
	3	gray	**EB 3-OTTA 6**	41 A	**3026036**	10
	4	gray	**EB 4-OTTA 6**	41 A	**3026049**	10
	7	gray	**EB 7-OTTA 6**	41 A	**3026052**	10
	10	gray	**EB 10- OTTA 6**	41 A	**0790420**	10
Partition plate, for visual and electrical separation of terminal groups, 1.5 mm thick		gray	**ATP-OTTA 2,5**		**0790572**	50
Screwdriver			**SZS 1,0X6,5 VDE**		**1205079**	10
Lateral groove labeling			**ZB 8 (see Catalog 5)**			





6 (6) mm², ground terminal block



25 (25) mm², 101 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/7,5	
12	**43.5**	**52**	
Width	Length	Height NS 32	
12	**43.5**	**57**	
		max. Ø [mm²]	AWG
		0.1 - 6	**26 - 10**
IEC 60947-7-2			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
6	-	-	-
26 - 10	-	22-10	-
0.1 - 6			
4 / 4.3 / 9.6			
0.5 - 2.5			
4 / 4.3 / 9.6			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
OTTA 6-PE	**0790527**	50

Accessories

EB 2- OTTA 6	**0790608**	10
EB 3-OTTA 6	**3026036**	10
EB 4-OTTA 6	**3026049**	10
EB 7-OTTA 6	**3026052**	10
EB 10- OTTA 6	**0790420**	10
SZS 1,0X6,5 VDE	**1205079**	10

ZB 8 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
18	**60**	**64.5**	
Width	Length	Height NS 32	
18	**60**	**69**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
101	**800**	**0.1 - 25**	**26 - 4**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
101 / 25	115 / -	100 / -	-
25	-	-	-
26 - 4	-	18-4	-
0.1 - 25			
5 / 5.3 / 16			
1 - 6			
5 / 5.3 / 16			
M5			
2.5 - 3			
PA			
V2			

Ordering data

Type	Order No.	Pcs. / Pkt.
OTTA 25-M5	**0790488**	50
OTTA 25-M6	**0790491**	50

Accessories

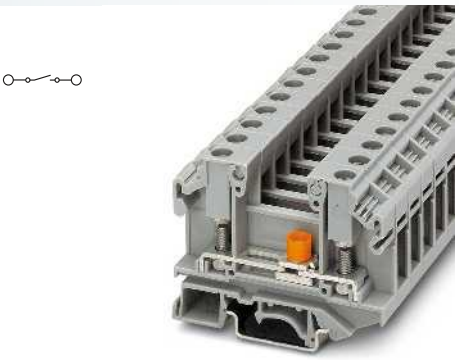
D-OTTA 25	**0790514**	50
ATP-OTTA 25	**0790501**	50
SZS 1,0X6,5 VDE	**1205079**	10

ZB 10 (see Catalog 5)

OTTA 6-T... test disconnect terminal blocks



- Easy and clear testing in measuring transducer secondary circuits can be performed using the OTTA 6-T... test disconnect terminal blocks
- Compact design
- Switching jumpers with and without test sockets



6 (6) mm², 36 A, test disconnect terminal block

Technical data

Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]	**11**	**69**	**52**
Dimensions				
	Width	Length	Height NS 32	
	[mm]	**11**	**69**	**57**
Max. electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	36	**800**	**0.1 - 6**	**26 - 10**
Rated data	IEC 60947-7-1			
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	36 / 6	30 / -	25 / -	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	26 - 10	-	22-10	-
Connection capacity, DIN 46234				
Cable lugs, DIN 46234	[mm²]	0.1 - 6			
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 9.6			
Color code	red	1.50 mm²			
	blue	2.50 mm²			
	yellow	6.00 mm²			
Connection capacity, DIN 46237				
Cable lugs, DIN 46237	[mm²]	0.5 - 2.5			
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 9.6			
General data				
Terminal point: thread / torque	- / [Nm]	M4 / 1.5 - 1.8			
Disconnect slide: thread / torque	- / [Nm]	M4 / 0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

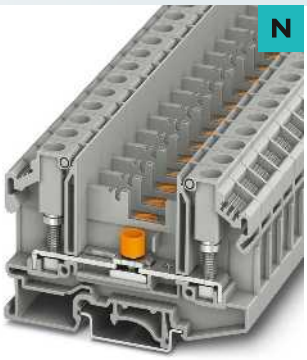
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Disconnect terminal block, for mounting on NS 35...		gray	**OTTA 6-T**		**0790446**	50
Terminal block, with test socket screws, for mounting on NS 35...		gray				
Disconnect terminal block, with test socket screws, for accommodating switching jumpers, for mounting on NS 35...		gray				

Accessories

Cover, width 1.5 mm		gray	**D-OTTA 6-T**		**0790459**	50
Insertion bridge						
	2	gray	**EB 2- OTTA 6**	41 A	**0790608**	10
	3	gray	**EB 3-OTTA 6**	41 A	**3026036**	10
	4	gray	**EB 4-OTTA 6**	41 A	**3026049**	10
	7	gray	**EB 7-OTTA 6**	41 A	**3026052**	10
	10	gray	**EB 10- OTTA 6**	41 A	**0790420**	10
Switching jumper	2					
Switching lock, plug-in			**S-OTTA 6-T**		**0311199**	50
Screwdriver			**SZS 1,0X6,5 VDE**		**1205079**	10
Lateral groove labeling			**ZB 10 (see Catalog 5)**			



6 (6) mm², 36 A, test disconnect terminal block, with test socket screws



6 (6) mm², 41 A, test disconnect terminal block, with test socket screws, for accommodating switching jumpers

Technical data

Width	Length	Height NS 35/7,5	
11	**69**	**52**	
Width	Length	Height NS 32	
11	**69**	**57**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
36	**800**	**0.1 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	600	-
36 / 6	30 / -	25 / -	-
6	-	-	-
26 - 10	-	22-10	-
0.1 - 6			
4 / 4.3 / 9.6			
1.50 mm²			
2.50 mm²			
6.00 mm²			
0.5 - 2.5			
4 / 4.3 / 9.6			
M4 / 1.5 - 1.8			
M4 / 0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
OTTA 6-T-P/P		**0790462**	50

Accessories

D-OTTA 6-T		**0790459**	50
EB 2- OTTA 6	41 A	**0790608**	10
EB 3-OTTA 6	41 A	**3026036**	10
EB 4-OTTA 6	41 A	**3026049**	10
EB 7-OTTA 6	41 A	**3026052**	10
EB 10- OTTA 6	41 A	**0790420**	10
S-OTTA 6-T		**0311199**	50
SZS 1,0X6,5 VDE		**1205079**	10

ZB 10 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
11	**69**	**52**	
Width	Length	Height NS 32	
11	**69**	**57**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
41	**800**	**0.1 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	-	-	-
41 / 6	- / -	-	-
6	-	-	-
26 - 10	-	-	-
0.1 - 6			
4 / 4.3 / 9.6			
1.50 mm²			
2.50 mm²			
6.00 mm²			
0.5 - 2.5			
4 / 4.3 / 9.6			
M4 / 1.5 - 1.8			
M4 / 0.6 - 0.8			
PA			
V0			

Ordering data

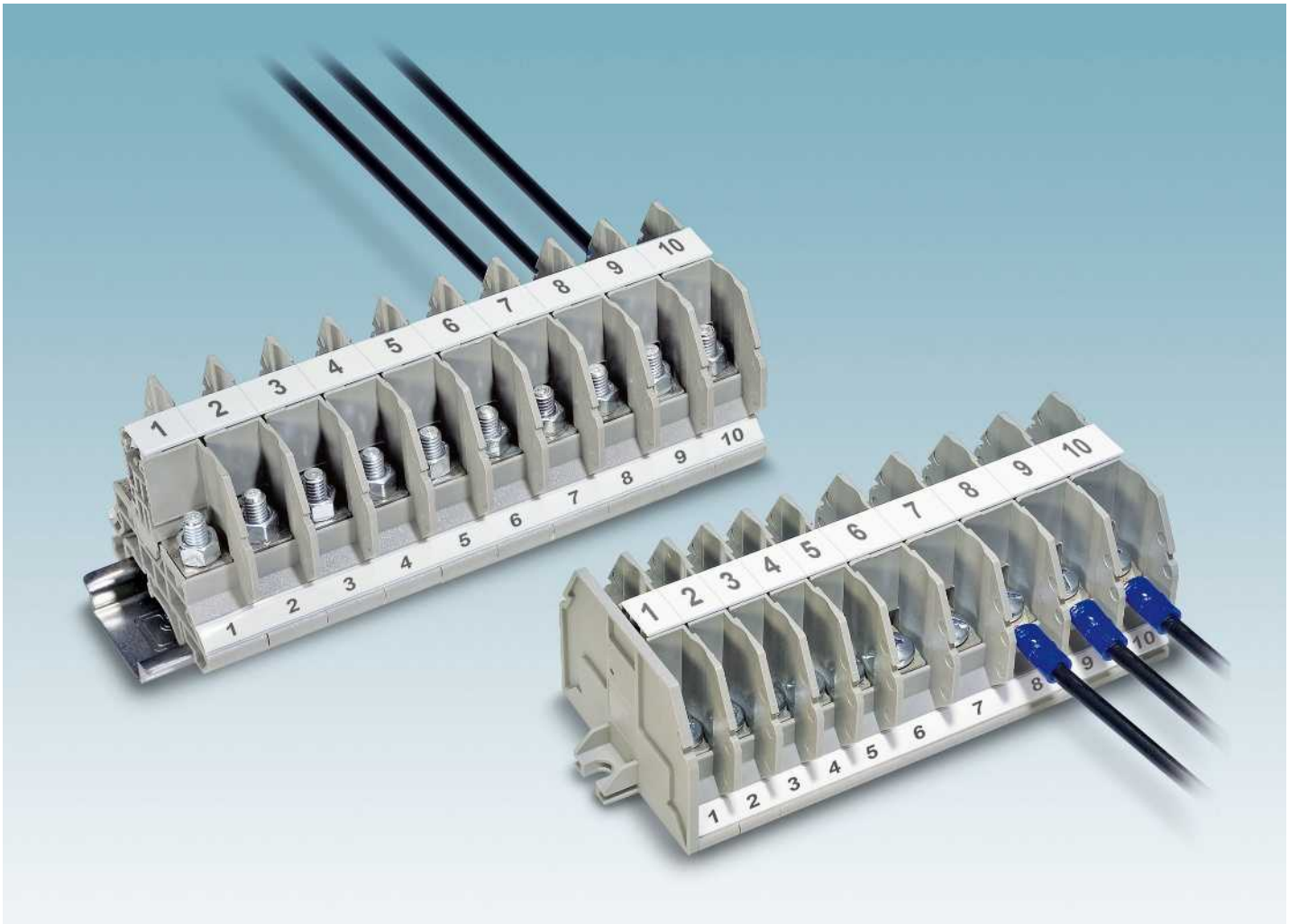
Type	I_{max}	Order No.	Pcs. / Pkt.
OTTA 6-T/SB-P/P		**3001269**	50

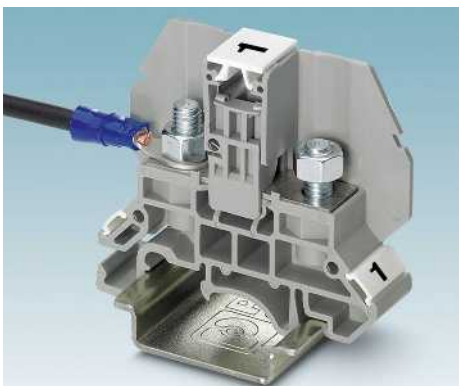
Accessories

D-OTTA/RBO-SB		**3001355**	50
EB 2- OTTA 6	41 A	**0790608**	10
EB 3-OTTA 6	41 A	**3026036**	10
EB 4-OTTA 6	41 A	**3026049**	10
EB 7-OTTA 6	41 A	**3026052**	10
EB 10- OTTA 6	41 A	**0790420**	10
USBR 2-11		**3001356**	50
SZS 1,0X6,5 VDE		**1205079**	10

ZB 10 (see Catalog 5)

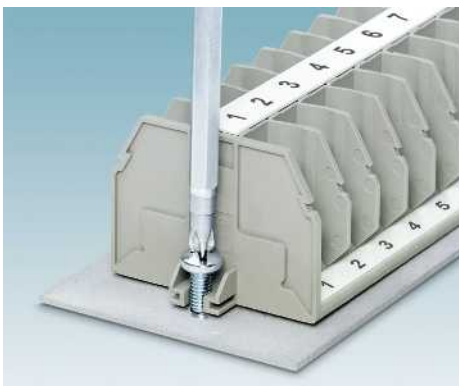
Bolt connection and screw terminal blocks





Comprehensive range

The RBO product range offers a suitable compact bolt connection terminal block from M5 to M16 for every conductor connection from 0.5 - 300 mm².



Flexible assembly

The bolt connection terminal blocks offer two mounting options:

– Can be snapped onto the conventional EN DIN rails
– Direct mounting on mounting plates



Modular shock protection

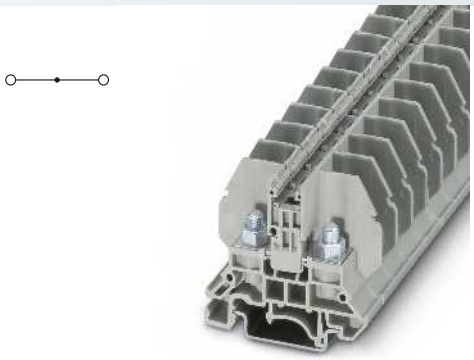
Using the extensive range of accessories, modular shock protection can be implemented easily and according to application requirements.

RBO 5... bolt connection terminal blocks, for M5 ring and fork-type cable lugs

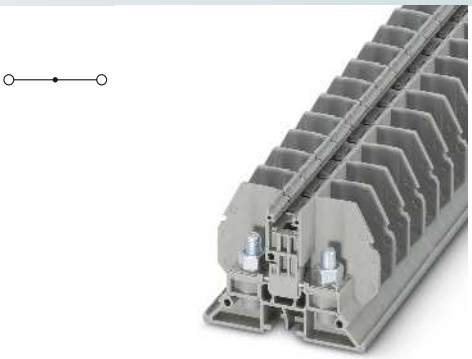
- Compact connection with ring and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- Bridge bar isolator switching jumper for switchable cross connections
- Mounting on standard DIN rails or directly in control boxes

Notes:

1) 57 A for continuous bridging, 41 A for bridging between non-adjacent terminal blocks



10 (10) mm², 57 A, feed-through terminal block for DIN rail mounting



10 (10) mm², 57 A, feed-through terminal block, for direct mounting

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**13**	**53.3**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**13**	**53.3**	**52**	
Dimensions		Width	Length	Height	
	[mm]	**13**	**53.3**	**-**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		57	**800**	**0.1 - 10**	**26 - 8**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	57 / 10	45 / -	-	-
Rated cross section	[mm²]	10	-	-	-
Cross section range	AWG	26 - 8	-	-	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.1 - 10			
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10			
Connection capacity, DIN 46237					
Cable lugs, DIN 46237	[mm²]	0.5 - 6			
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10			
Color code	red	1.00 mm²			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Bolt thread		M5			
Tightening torque	[Nm]	2 - 2.2			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**13**	**53.3**	**-**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**13**	**53.3**	**-**	
Dimensions		Width	Length	Height	
	[mm]	**13**	**53.3**	**37**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		57	**800**	**0.1 - 10**	**26 - 8**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	57 / 10	45 / -	-	-
Rated cross section	[mm²]	10	-	-	-
Cross section range	AWG	26 - 8	-	-	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.1 - 10			
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10			
Connection capacity, DIN 46237					
Cable lugs, DIN 46237	[mm²]	0.5 - 6			
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10			
Color code	red	1.00 mm²			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Bolt thread		M5			
Tightening torque	[Nm]	2 - 2.2			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Bolt connection terminal block, for mounting on NS 32... or NS 35...		gray	**RBO 5**		**3058059**	50
Flange terminal block, for direct mounting, including D-RSC 5-F cover flange		gray				
Flange terminal block, for direct mounting, including D-RSC 5-F cover flange, 4-pos.		gray				
Block, 6-pos.		gray				
Block, 8-pos.		gray				
Block, 12-pos.		gray				

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RBO 5-F		**3058062**	50
RBO 5-F/4		**3058237**	1
RBO 5-F/6		**3058240**	1
RBO 5-F/8		**3058253**	1
RBO 5-F/12		**3059252**	1

Accessories

Cover, width 2.2 mm		gray	**D-RSC 5**		**3058020**	50
Cover flange		gray				
Fixed bridge, insulated	10	silver	**FB 10-13**	57 A[1]	**3059126**	10
Isolator bridge bar, can be separated, with 10 screws	10	silver	**FB 10-13 ISO**	24 A	**3059663**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Cover profile, supply length 1 m		transparent	**AP RSC**		**3058017**	10
Socket wrench			**SHN 8**		**1209868**	1
Center groove labeling			**ZB 13 (see Catalog 5)**			
Lateral groove labeling			**ZBF 13 (see Catalog 5)**			

Accessories

D-RSC 5-F		**3059647**	50
FB 10-13	57 A[1]	**3059126**	10
FB 10-13 ISO	24 A	**3059663**	10
TS-KK 3		**2770215**	50
AP RSC		**3058017**	10
SHN 8		**1209868**	1
ZB 13 (see Catalog 5)			
ZBF 13 (see Catalog 5)			

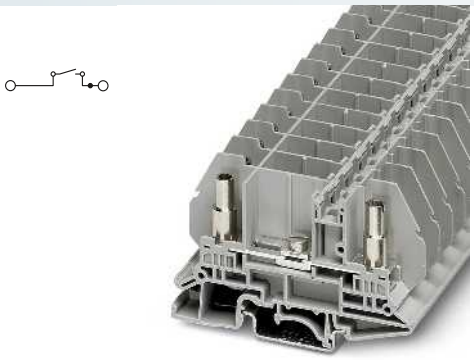
RBO 5-T... test disconnect terminal block with bolt connection, for M5 ring and fork-type cable lugs

- Connection screws with 4 mm test connection
- Compact connection with ring and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- Bridge bar isolator switching jumper for switchable cross connections
- Mounting on standard DIN rails or directly in control boxes

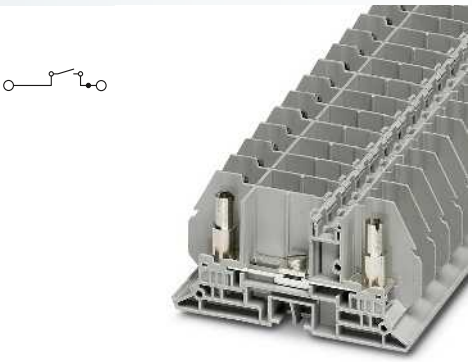
Notes:

1) 57 A for continuous bridging, 41 A for bridging between non-adjacent terminal blocks

2) Rated voltage for 630 V open disconnect point



10 (10) mm², 50 A, test disconnect terminal block



10 (10) mm², 50 A, test disconnect terminal block, for direct mounting

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**13**	**79.9**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**13**	**79.9**	**52**	
Dimensions		Width	Length	Height	
	[mm]	**13**	**79.9**	**-**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		50	**800²)**	**0.1 - 10**	**26 - 8**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800²)	600	-	-
Nominal current / cross section	[A] / [mm²]	50 / 10	45 / -	-	-
Rated cross section	[mm²]	10	-	-	-
Cross section range	AWG	26 - 8	-	-	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.1 - 10			
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10			
Connection capacity, DIN 46237					
Cable lugs, DIN 46237	[mm²]	0.5 - 6			
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10			
Color code	red	1.00 mm²			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Disconnect slide: thread / torque	- / [Nm]	M4 / 1.2 - 1.4			
Bolt thread		M5			
Tightening torque	[Nm]	2 - 2.2			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Technical data

Width		Length	Height NS 35/7,5		
13		**79.9**	**-**		
Width		Length	Height NS 32		
13		**79.9**	**-**		
Width		Length	Height		
13		**79.9**	**39.7**		
$I_{max.}$ [A]		$U_{max.}$ [V]	max. Ø [mm²]	AWG	
50		**800²)**	**0.1 - 10**	**26 - 8**	
IEC 60947-7-1 IEC		UL/CUL	CSA	IEC/ EN 60079-7	
800²)		600	-	-	
50 / 10		45 / -	-	-	
10		-	-	-	
26 - 8		-	-	-	
0.1 - 10					
5 / 5.3 / 10					
0.5 - 6					
5 / 5.3 / 10					
1.00 mm²					
2.50 mm²					
6.00 mm²					
M4 / 1.2 - 1.4					
M5					
2 - 2.2					
PA					
V0					

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Test disconnect terminal block, for mounting on NS 32... or NS 35...		gray	**RBO 5-T**		**3058114**	50
Test disconnect terminal block, with flange, for direct mounting		gray				

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RBO 5-T-F		**3058169**	50

Accessories

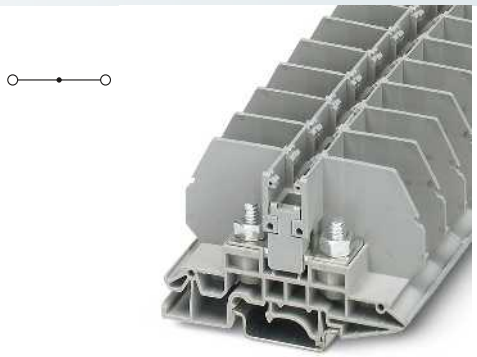
Cover, width 2.2 mm		gray	**D-RSC 5-T**		**3058046**	50
Fixed bridge, insulated	10	silver	**FB 10-13**	57 A¹)	**3059126**	10
Isolator bridge bar, can be separated, with 10 screws	10	silver	**FB 10-13 ISO**	24 A	**3059663**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Cover profile, supply length 1 m		transparent	**AP RSC-T**		**3059139**	10
Screwdriver			**SZG 0,9X6,5 VDE**		**1205134**	10
Center groove labeling **Lateral groove labeling**			**ZB 13 (see Catalog 5)** **ZBF 13 (see Catalog 5)**			

Accessories

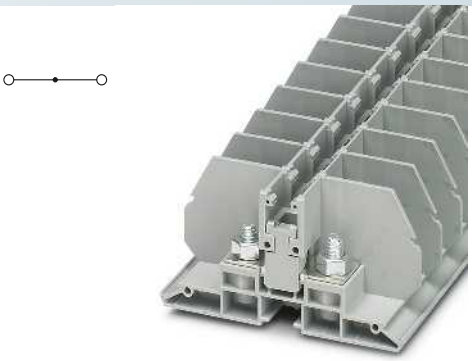
D-RSC 5-T-F		**3059346**	50
FB 10-13	57 A¹)	**3059126**	10
FB 10-13 ISO	24 A	**3059663**	10
TS-KK 3		**2770215**	50
AP RSC-T		**3059139**	10
SZG 0,9X6,5 VDE		**1205134**	10
ZB 13 (see Catalog 5) **ZBF 13 (see Catalog 5)**			

RBO 6... bolt connection terminal blocks, for M6 ring and fork-type cable lugs

- Compact connection with ring and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- Bridge bar isolator switching jumper for switchable cross connections
- Mounting on standard DIN rails or directly in control boxes



35 (35) mm², 125 A, feed-through terminal block for DIN rail mounting



35 (35) mm², 125 A, feed-through terminal block, for direct mounting

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**17**	**80.8**	**49.8**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**17**	**80.8**	**54.8**	
Dimensions		Width	Length	Height	
	[mm]	**17**	**80.8**	**-**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		125	**800**	**2.5 - 35**	**12 - 2**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	125 / 35	115 / -	-	-
Rated cross section	[mm²]	35	-	-	-
Cross section range	AWG	12 - 2	-	-	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	6 - 35			
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 15			
Connection capacity, DIN 46237					
Cable lugs, DIN 46237	[mm²]	2.5 - 6			
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 11			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Bolt thread		M6			
Tightening torque	[Nm]	3.2 - 3.7			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Bolt connection terminal block, for mounting on NS 32... or NS 35...		gray	**RBO 6**		**3075896**	40
Flange terminal block, for direct mounting, including cover flange D-RSC 6-F		gray				

Accessories

Cover, width 2.2 mm		gray	**D-RSC 6**		**3213098**	50
Cover flange		gray				
Fixed bridge, insulated	10	silver	**FB 10-17**	57 A	**3075951**	10
Isolator bridge bar, can be separated, with 10 screws	10	silver	**FB 10-17 ISO**	57 A	**3213085**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Cover profile, supply length 1 m		transparent	**AP RSC-T**		**3059139**	10

Center groove labeling
Lateral groove labeling

ZB 17 (see Catalog 5)
ZBF 17 (see Catalog 5)

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**17**	**80.8**	**-**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**17**	**80.8**	**-**	
Dimensions		Width	Length	Height	
	[mm]	**17**	**80.8**	**39.7**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		125	**800**	**2.5 - 35**	**12 - 2**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	125 / 35	115 / -	-	-
Rated cross section	[mm²]	35	-	-	-
Cross section range	AWG	12 - 2	-	-	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	6 - 35			
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 15			
Connection capacity, DIN 46237					
Cable lugs, DIN 46237	[mm²]	2.5 - 6			
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 11			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Bolt thread		M6			
Tightening torque	[Nm]	3.2 - 3.7			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RBO 6-F		**3075935**	40

Accessories

D-RSC 6-F		**3213108**	50
FB 10-17	57 A	**3075951**	10
FB 10-17 ISO	57 A	**3213085**	10
TS-KK 3		**2770215**	50
AP RSC-T		**3059139**	10

ZB 17 (see Catalog 5)
ZBF 17 (see Catalog 5)

RBO bolt connection terminal blocks, open, for ring and fork-type cable lugs



- Optional snap-on finger protection
- Compact connection with ring and fork-type cable lugs
- Potential distribution with connection rails
- The covering hoods for the RBO 10, RBO 12, and RBO 16 bolt terminal blocks can be sealed to prevent unauthorized opening. The lugs that can be snapped on for this purpose are supplied as standard with the covering hoods.
- The RBO 10, RBO 12, and RBO 16 have a 4 mm test connection at the center of the terminal block

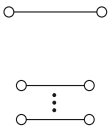
Mounting options

- Mounting either on standard mounting rails or directly in switch boxes, see figure below



Notes:

For corresponding test plugs, see the following page.





70 (70) mm², 192 A, feed-through terminal block, for DIN rail and direct mounting

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/15
		29	**136**	**74.5**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		192	**1000**	**6 - 70 / 8 - 2/0**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	1000	600	600 / -
Nominal current / cross section	[A] / [mm²]	192 / 70	175 / -	175 / - / -
Rated cross section	[mm²]	70	-	- / -
Cross section range	AWG	8 - 2/0	-	- / -
Connection capacity, DIN 46234				
Cable lugs, DIN 46234	[mm²]	2.5 - 70		
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 22		
Connection capacity, DIN 46235				
Cable lugs, DIN 46235	[mm²]	16 - 70		
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 24		
Connection capacity, DIN 46237				
Cable lugs, DIN 46237	[mm²]	2.5 - 6		
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 14		
	blue	2.50 mm²		
	yellow	6.00 mm²		
General data				
Bolt thread		M8		
Tightening torque	[Nm]	6 - 12		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

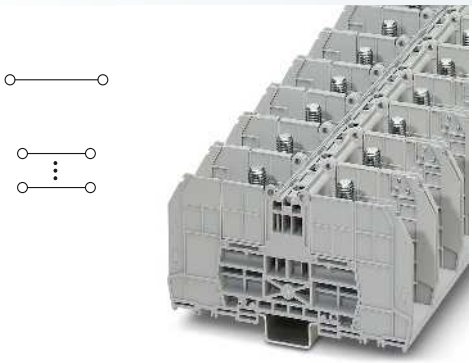
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Bolt connection terminal block, for direct mounting or mounting on NS 35/15		gray	**RBO 8**		**3213137**	10
		blue	**RBO 8 BU**		**3213136**	10
		black/yellow	**RBO 8-FE**		**3213139**	10
Block, 3-pos., (3 x gray)		gray	**RBO 8-3L**		**3076206**	2
Block, 4-pos., (3 x gray, 1 x blue)		gray/blue	**RBO 8-3L/N**		**3076248**	2
Block, 4-pos., (3 x gray, 1 x black-yellow)		gray/black-yellow	**RBO 8-3L/FE**		**3076124**	2
Block, 5-pos., (3 x gray, 1 x blue, 1 x black-yellow)		gray/blue/black-yellow	**RBO 8-3L/N/FE**		**3076280**	2

Accessories

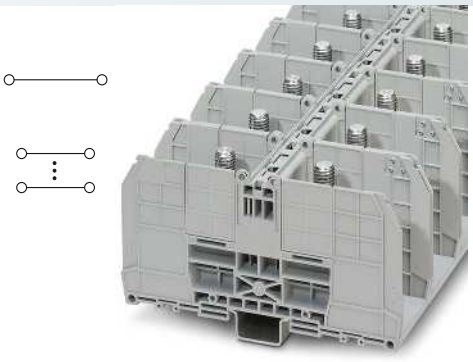
Connection rail, for cross connection of high-current plugs						
	2	silver	**RBO 8-VS 2**	192 A	**3213179**	10
	3	silver	**RBO 8-VS 3**	192 A	**3213182**	10
Covering hood, as retrofit snap-on shock protection for cable lug connection		gray	**HC-RBO 8**		**3247967**	10
		blue	**HC-RBO 8 BU**		**3247969**	10
		black/yellow	**HC-RBO 8-FE**		**3247968**	10
Aluminum end bracket, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be labeled with ZB 10, for mounting on NS 35...		silver	**E/AL-NS 35**		**1201662**	10
Terminal strip marker, adjustable height, for end clamp CLIPFIX ..., can be labeled with EML (20x8) label or directly with B-STIFT or X-PEN		gray				

Center groove labeling

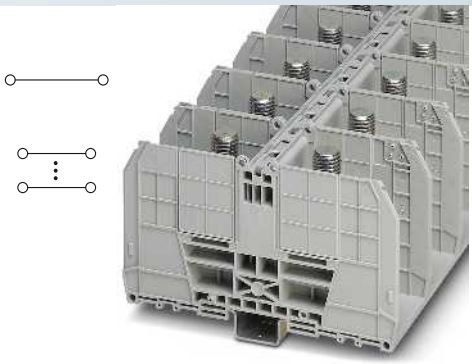
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)



150 (150) mm², 309 A, feed-through terminal block, for DIN rail and direct mounting



240 (240) mm², 415 A, feed-through terminal block, for DIN rail and direct mounting



300 (300) mm², 520 A, feed-through terminal block, for DIN rail and direct mounting

Technical data

Width	Length	Height NS 35/15	
41	**144**	**84.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
309	**1000**	**6 - 150**	**10 - 300**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	1000	-	-
309 / 150	310 / -	-	-
150	-	-	-
10 - 300	10-350	-	-
6 - 150			
10 / 10.5 / 30			
16 - 150			
10 / 10.5 / 34			
6 - 6			
10 / 10.5 / 18			
6.00 mm²			
M10			
10 - 20			
PA			
V0			

Technical data

Width	Length	Height NS 35/15	
49	**164**	**90.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
415	**1000**	**10 - 240**	**8 - 500**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	1000	-	-
415 / 240	420 / -	-	-
240	-	-	-
8 - 500	8-600	-	-
10 - 240			
12 / 13 / 38			
25 - 240			
12 / 13 / 42			
-			
- / - / -			
M12			
14 - 30			
PA			
V0			

Technical data

Width	Length	Height NS 35/15	
54.8	**164**	**99.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
520	**1000**	**25 - 300**	**4 - 600**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1000	1000	-	-
520 / 300	540 / -	-	-
300	-	-	-
4 - 600	4-1000	-	-
25 - 240			
16 / 17 / 38			
50 - 300			
16 / 17 / 48			
-			
- / - / -			
M16			
25 - 35			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RBO 10		**3244614**	10
RBO 10 BU		**3244616**	10
RBO 10-FE		**3244615**	10
RBO 10-3L		**3076219**	2
RBO 10-3L/N		**3076251**	2
RBO 10-3L/FE		**3076137**	2
RBO 10-3L/N/FE		**3076293**	2

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RBO 12		**3244627**	10
RBO 12 BU		**3244629**	10
RBO 12-FE		**3244628**	10
RBO 12-3L		**3076222**	1
RBO 12-3L/N		**3076264**	1
RBO 12-3L/FE		**3076140**	1
RBO 12-3L/N/FE		**3076303**	1

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RBO 16		**3244630**	5
RBO 16 BU		**3244632**	5
RBO 16-FE		**3244631**	5
RBO 16-3L		**3076235**	1
RBO 16-3L/N		**3076277**	1
RBO 16-3L/FE		**3076153**	1
RBO 16-3L/N/FE		**3076316**	1

Accessories

RBO 10-VS 2	309 A	**3244643**	10
RBO 10-VS 3	309 A	**3244656**	10
HC-RBO 10		**3247970**	6
HC-RBO 10 BU		**3247972**	6
HC-RBO 10-FE		**3247971**	6
E/AL-NS 35		**1201662**	10
KLM 3-L		**0814788**	100

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

Accessories

RBO 12-VS 2	415 A	**3244669**	10
RBO 12-VS 3	415 A	**3244672**	10
HC-RBO 12		**3247983**	6
HC-RBO 12 BU		**3247985**	6
HC-RBO 12-FE		**3247984**	6
E/AL-NS 35		**1201662**	10
KLM 3-L		**0814788**	100

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

Accessories

RBO 16-VS 2	520 A	**3244685**	10
RBO 16-VS 3	520 A	**3244698**	10
HC-RBO 16		**3247996**	6
HC-RBO 16 BU		**3247998**	6
HC-RBO 16-FE		**3247997**	6
E/AL-NS 35		**1201662**	10
KLM 3-L		**0814788**	100

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

RBO bolt connection terminal blocks with covering hoods, for ring and fork-type cable lugs

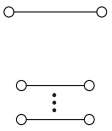


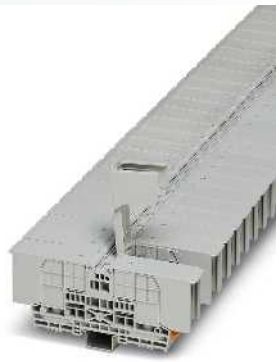
- With protective covers
- Compact connection with ring and fork-type cable lugs
- Potential distribution with connection rails
- The covering hoods for the RBO 10, RBO 12, and RBO 16 bolt terminal blocks can be sealed to prevent unauthorized opening. The lugs that can be snapped on for this purpose are supplied as standard.
- The RBO 10, RBO 12, and RBO 16 have a 4 mm test connection at the center of the terminal block
- The covering hoods can be custom-labeled using the following labels:
  0817028 EML (51X25)R
  0817031 EML (51X25)R YE
  0817002 EML (51X25)R SR



Notes:

[1]) Cable lug must be insulated with shrink sleeve.





70 (70) mm², 192 A, feed-through terminal block, for DIN rail and direct mounting

Technical data

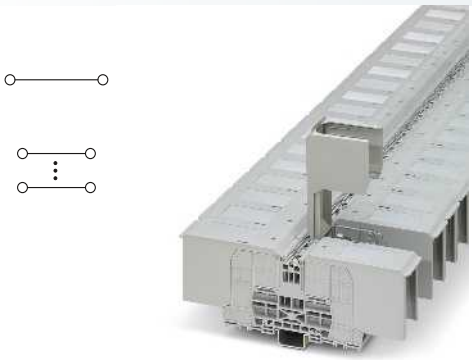
Dimensions		Width	Length	Height NS 35/15	
	[mm]	**29**	**184**	**74.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		192	**1500[1])**	**6 - 70**	**8 - 2/0**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1500[1])	600	-	-
Nominal current / cross section	[A] / [mm²]	192 / 70	175 / -	-	-
Rated cross section	[mm²]	70	-	-	-
Cross section range	AWG	8 - 2/0	-	-	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	2.5 - 70			
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 22			
Connection capacity, DIN 46235					
Cable lugs, DIN 46235	[mm²]	16 - 70			
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 24			
Connection capacity, DIN 46237					
Cable lugs, DIN 46237	[mm²]	2.5 - 6			
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 14			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Bolt thread		M8			
Tightening torque	[Nm]	6 - 12			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Ordering data

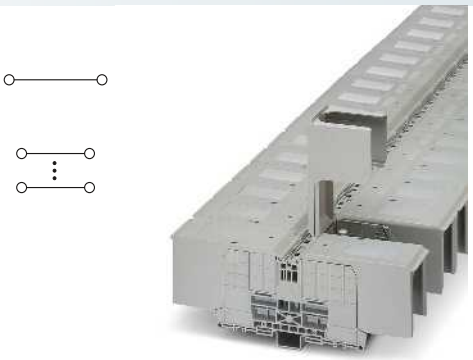
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Bolt connection terminal blocks, with covering hood, for direct mounting or mounting on NS 35/15		gray	**RBO 8-HC**		**3247973**	10
		blue	**RBO 8-HC BU**		**3247974**	10
		black/yellow	**RBO 8-FE-HC**		**3247975**	10
Block, 3-pos., (3 x gray)		gray	**RBO 8-3L-HC**		**3076044**	2
Block, 4-pos., (3 x gray, 1 x blue)		gray/blue	**RBO 8-3L/N-HC**		**3076086**	2
Block, 4-pos., (3 x gray, 1 x black-yellow)		gray/black-yellow	**RBO 8-3L/FE-HC**		**3076125**	2
Block, 5-pos., (3 x gray, 1 x blue, 1 x black-yellow)		gray/blue/ black-yellow	**RBO 8-3L/N/FE-HC**		**3076167**	2

Accessories

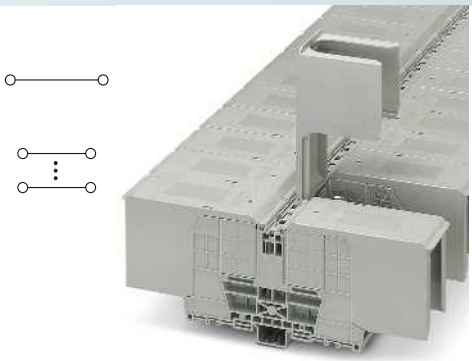
Connection rail, for cross connection of high-current plugs						
	2	silver	**RBO 8-VS 2**	192 A	**3213179**	10
	3	silver	**RBO 8-VS 3**	192 A	**3213182**	10
Aluminum end bracket, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be labeled with ZB 10, for mounting on NS 35...		silver	**E/AL-NS 35**		**1201662**	10
Terminal strip marker, adjustable height, for end clamp CLIPFIX ..., can be labeled with EML (20x8) label or directly with B-STIFT or X-PEN		gray				
Test plug, consisting of: **metal part** for 4 mm Ø socket hole And **Insulating sleeve** for PS metal part		red				
Center groove labeling			**UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)**			



150 (150) mm², 309 A, feed-through terminal block, for DIN rail and direct mounting



240 (240) mm², 415 A, feed-through terminal block, for DIN rail and direct mounting



300 (300) mm², 520 A, feed-through terminal block, for DIN rail and direct mounting

Technical data

Width	Length	Height NS 35/15	
41	**235**	**84.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
309	**1500¹)**	**6 - 150**	**10 - 300**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1500¹)	1000	-	-
309 / 150	310 / -	-	-
150	-	-	-
10 - 300	10-350	-	-
6 - 150			
10 / 10.5 / 30			
16 - 150			
10 / 10.5 / 34			
6 - 6			
10 / 10.5 / 18			
6.00 mm²			
M10			
10 - 20			
PA			
V0			

Technical data

Width	Length	Height NS 35/15	
49	**265**	**90.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
415	**1500¹)**	**10 - 240**	**8 - 500**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1500¹)	600	-	-
415 / 240	420 / -	-	-
240	-	-	-
8 - 500	8-600	-	-
10 - 240			
12 / 13 / 38			
25 - 240			
12 / 13 / 42			
-			
- / - / -			
M12			
14 - 30			
PA			
V0			

Technical data

Width	Length	Height NS 35/15	
54.8	**283.5**	**99.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
520	**1500¹)**	**25 - 300**	**4 - 600**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
1500¹)	1000	-	-
520 / 300	540 / -	-	-
300	-	-	-
4 - 600	4-1000	-	-
25 - 240			
16 / 17 / 38			
50 - 300			
16 / 17 / 48			
-			
- / - / -			
M16			
25 - 35			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RBO 10-HC		**3247976**	10
RBO 10-HC BU		**3247977**	10
RBO 10-FE-HC		**3247978**	10
RBO 10-3L-HC		**3076057**	2
RBO 10-3L/N-HC		**3076099**	2
RBO 10-3L/FE-HC		**3076138**	2
RBO 10-3L/N/FE-HC		**3076170**	2

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RBO 12-HC		**3247986**	10
RBO 12-HC BU		**3247987**	10
RBO 12-FE-HC		**3247988**	10
RBO 12-3L-HC		**3076060**	1
RBO 12-3L/N-HC		**3076109**	1
RBO 12-3L/FE-HC		**3076141**	1
RBO 12-3L/N/FE-HC		**3076183**	1

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RBO 16-HC		**3247989**	5
RBO 16-HC BU		**3247990**	5
RBO 16-FE-HC		**3247991**	5
RBO 16-3L-HC		**3076073**	1
RBO 16-3L/N-HC		**3076112**	1
RBO 16-3L/FE-HC		**3076154**	1
RBO 16-3L/N/FE-HC		**3076196**	1

Accessories

RBO 10-VS 2	309 A	**3244643**	10
RBO 10-VS 3	309 A	**3244656**	10
E/AL-NS 35		**1201662**	10
KLM 3-L		**0814788**	100
PS-MT		**0311647**	10
PS-IH RD		**0311579**	10
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)			

Accessories

RBO 12-VS 2	415 A	**3244669**	10
RBO 12-VS 3	415 A	**3244672**	10
E/AL-NS 35		**1201662**	10
KLM 3-L		**0814788**	100
PS-MT		**0311647**	10
PS-IH RD		**0311579**	10
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)			

Accessories

RBO 16-VS 2	520 A	**3244685**	10
RBO 16-VS 3	520 A	**3244698**	10
E/AL-NS 35		**1201662**	10
KLM 3-L		**0814788**	100
PS-MT		**0311647**	10
PS-IH RD		**0311579**	10
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)			

RSC ... screw terminal blocks, for M4 and M5 ring and fork-type cable lugs



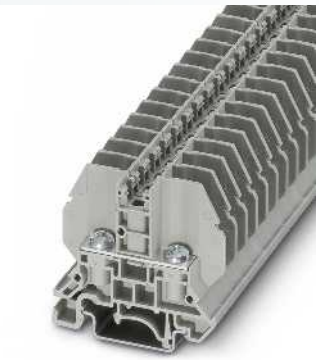
- Compact screw connection of ring and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- The isolator bridge bar supports switchable cross connections; the bridge screw therefore has the function of a live contact
- Mounting on standard DIN rails or directly in control boxes
- Cover profile that can be snapped directly onto the terminal blocks provides touch-proof protection
- Large-surface, seamless external and center labeling
- Screw nuts and current bars are latched in the insulating housing and cannot be removed



Notes:

[1]) 57 A for continuous bridging, 41 A for bridging between non-adjacent terminal blocks

[2]) Rated voltage for 630 V open disconnect point



4 (6) mm², 32 A, feed-through terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		9	**53.3**	**47.1**
Dimensions				
	[mm]	Width	Length	Height NS 32
		9	**53.3**	**52.1**
Dimensions				
	[mm]	Width	Length	Height
		9	**53.3**	**-**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		32	**800**	**0.1 - 6** / **26 - 10**
Rated data		IEC 60947-7-1 IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800	600	- / -
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	- / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	26 - 10	-	- / -
Connection capacity, DIN 46234				
Cable lugs, DIN 46234	[mm²]	0.1 - 6		
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 8		
Connection capacity, DIN 46237				
Cable lugs, DIN 46237	[mm²]	0.5 - 2.5		
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 8		
Color code	red	1.00 mm²		
	blue	2.50 mm²		
	yellow			
General data				
Bolt thread		M4		
Tightening torque	[Nm]	1.2 - 1.4		
Insulating material		PA		
Inflammability class according to UL 94		V0		

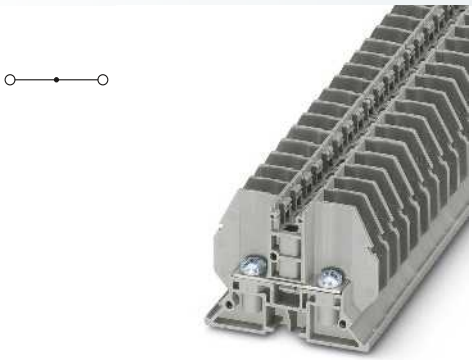
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Bolt connection terminal block, for mounting on NS 32... or NS 35...		gray	**RSC 4**		**3058127**	50
Bolt connection/flange terminal block, for direct mounting		gray				
Block, 4-pos.		gray				
Block, 6-pos.		gray				
Block, 8-pos.		gray				
Block, 12-pos.		gray				

Accessories

Cover, width 2.2 mm		gray	**D-RSC 5**		**3058020**	50
Fixed bridge, insulated	10	silver	**FB 10-9**	32 A	**3059113**	10
Isolator bridge bar, can be separated, with 10 screws	10	silver	**FB 10-9 ISO**	24 A	**3059650**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Cover profile, supply length 1 m		transparent	**AP RSC**		**3058017**	10
Screwdriver			**SZS 1,0X6,5 VDE**		**1205079**	10
			SZK PH2 VDE		**1205163**	10

Center groove labeling	**ZB 9 (see Catalog 5)**
Lateral groove labeling	**ZBF 9 (see Catalog 5)**



4 (6) mm², 32 A, feed-through terminal block, for direct mounting

Technical data

Width	Length	Height NS 35/7,5	
9	**53.3**	**-**	
Width	Length	Height NS 32	
9	**53.3**	**-**	
Width	Length	Height	
9	**53.3**	**37**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
32	**800²)**	**0.1 - 6**	**26 - 10**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800²)	600	-	-
32 / 4	30 / -	-	-
4	-	-	-
26 - 10	-	-	-
0.1 - 6			
4 / 4.3 / 8			
0.5 - 2.5			
4 / 4.3 / 8			
1.00 mm²			
2.50 mm²			
M4			
1.2 - 1.4			
PA			
V0			

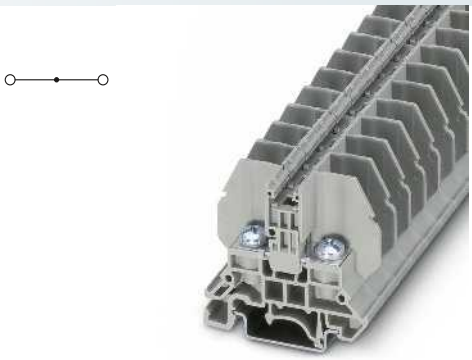
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RSC 4-F		**3058130**	50
RSC 4-F/4		**3059171**	1
RSC 4-F/6		**3059184**	1
RSC 4-F/8		**3059197**	1
RSC 4-F/12		**3059207**	1

Accessories

D-RSC 5-F		**3059647**	50
FB 10-9	32 A	**3059113**	10
FB 10-9 ISO	24 A	**3059650**	10
TS-KK 3		**2770215**	50
AP RSC		**3058017**	10
SZS 1,0X6,5 VDE		**1205079**	10
SZK PH2 VDE		**1205163**	10

ZB 9 (see Catalog 5)
ZBF 9 (see Catalog 5)



10 (10) mm², 57 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/7,5	
13	**53.3**	**47.1**	
Width	Length	Height NS 32	
13	**53.3**	**52.1**	
Width	Length	Height	
13	**53.3**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57	**800**	**0.1 - 10**	**26 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	-	-
57 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10			
5 / 5.3 / 10			
0.5 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
M5			
2 - 2.2			
PA			
V0			

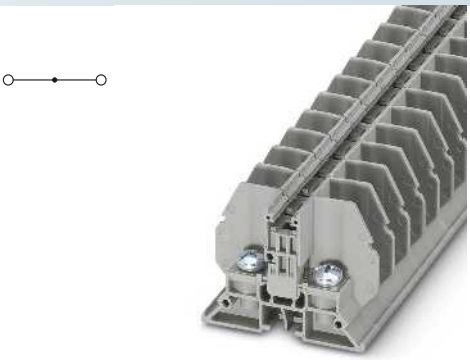
Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RSC 5		**3058143**	50

Accessories

D-RSC 5		**3058020**	50
FB 10-13	57 A¹)	**3059126**	10
FB 10-13 ISO	24 A	**3059663**	10
TS-KK 3		**2770215**	50
AP RSC		**3058017**	10
SZS 1,0X6,5 VDE		**1205079**	10
SZK PH2 VDE		**1205163**	10

ZB 13 (see Catalog 5)
ZBF 13 (see Catalog 5)



10 (10) mm², 57 A, feed-through terminal block, for direct mounting

Technical data

Width	Length	Height NS 35/7,5	
13	**53.3**	**-**	
Width	Length	Height NS 32	
13	**53.3**	**-**	
Width	Length	Height	
13	**53.3**	**37**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
57	**800**	**0.1 - 10**	**26 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	-	-
57 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10			
5 / 5.3 / 10			
0.5 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
M5			
2 - 2.2			
PA			
V0			

Ordering data

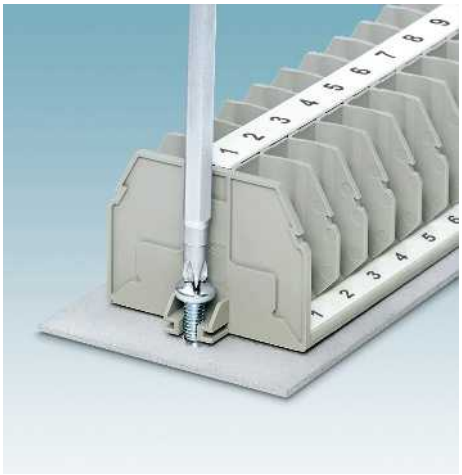
Type	I_{max}	Order No.	Pcs. / Pkt.
RSC 5-F		**3058156**	50
RSC 5-F/4		**3059210**	1
RSC 5-F/6		**3059223**	1
RSC 5-F/8		**3059236**	1
RSC 5-F/12		**3059249**	1

Accessories

D-RSC 5-F		**3059647**	50
FB 10-13	57 A¹)	**3059126**	10
FB 10-13 ISO	24 A	**3059663**	10
TS-KK 3		**2770215**	50
AP RSC		**3058017**	10
SZS 1,0X6,5 VDE		**1205079**	10
SZK PH2 VDE		**1205163**	10

ZB 13 (see Catalog 5)
ZBF 13 (see Catalog 5)

RSC 6 ... M6 screw terminal blocks and RSC 5-T... M5 test disconnect terminal blocks



- Flange terminal blocks for direct mounting in control boxes
- Compact screw connection of ring and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- The isolator bridge bar supports switchable cross connections; the bridge screw therefore has the function of a live contact
- Cover profile that can be snapped directly onto the terminal blocks provides touch-proof protection
- Large-surface, seamless external and center labeling
- Screw nuts and current bars are latched in the insulating housing and cannot be removed
- Easy grouping of flange terminal blocks, see figure below



Notes:

[1]) 57 A for continuous bridging, 41 A for bridging between non-adjacent terminal blocks

[2]) Rated voltage for 630 V open disconnect point



35 (35) mm², 125 A, feed-through terminal block

Technical data

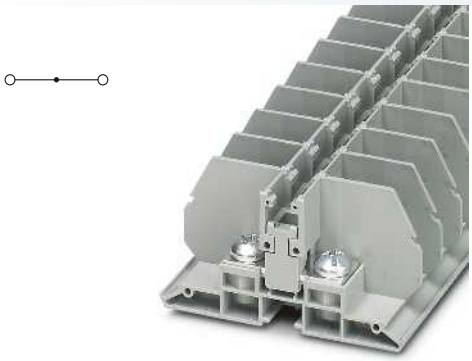
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		17	**80.8**	**49.8**
Dimensions				
	[mm]	Width	Length	Height NS 32
		17	**80.8**	**54.8**
Dimensions				
	[mm]	Width	Length	Height
		17	**80.8**	**-**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		125	**800**	**2.5 - 35** / **12 - 2**
Rated data		IEC 60947-7-1		
		IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800	600	- / -
Nominal current / cross section	[A] / [mm²]	125 / 35	115 / -	- / -
Rated cross section	[mm²]	35	-	- / -
Cross section range	AWG	12 - 2	-	- / -
Connection capacity, DIN 46234				
Cable lugs, DIN 46234	[mm²]	6 - 35		
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 15		
Connection capacity, DIN 46237				
Cable lugs, DIN 46237	[mm²]	2.5 - 6		
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 11		
Color code	red			
	blue	2.50 mm²		
	yellow	6.00 mm²		
General data				
Disconnect slide: thread / torque	- / [Nm]	- / -		
Bolt thread		M6		
Tightening torque	[Nm]	3.2 - 3.7		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

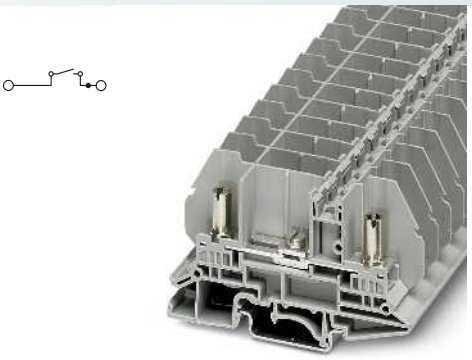
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Bolt connection terminal block, for mounting on NS 32... or NS 35...		gray	**RSC 6**		**3075870**	40
Bolt connection/flange terminal block, for direct mounting		gray				
Test disconnect terminal block, for mounting on NS 35 and NS 32		gray				
Test disconnect terminal block, with flange, for direct mounting		gray				

Accessories

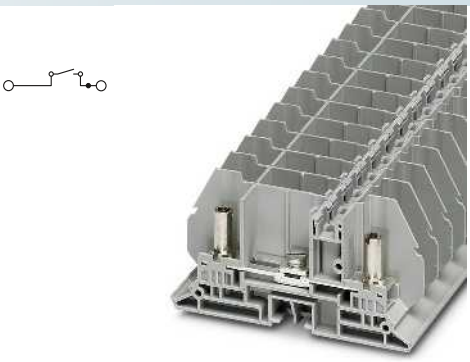
Cover, width 2.2 mm		gray	**D-RSC 6**		**3213098**	50
Fixed bridge, insulated	10	silver	**FB 10-17**	57 A	**3075951**	10
Isolator bridge bar, can be separated, with 10 screws	10	silver	**FB 10-17 ISO**	57 A	**3213085**	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Cover profile, supply length 1 m		transparent	**AP RSC-T**		**3059139**	10
Screwdriver						
Center groove labeling **Lateral groove labeling**			**ZB 17 (see Catalog 5)** **ZBF 17 (see Catalog 5)**			



35 (35) mm², 125 A, feed-through terminal block, for direct mounting



10 (10) mm², 50 A, test disconnect terminal block



10 (10) mm², 50 A, test disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
17	**80.8**	**-**	
Width	Length	Height NS 32	
17	**80.8**	**-**	
Width	Length	Height	
17	**80.8**	**39.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
125	**800**	**2.5 - 35**	**12 - 2**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800	600	-	-
125 / 35	115 / -	-	-
35	-	-	-
12 - 2	-	-	-
6 - 35			
6 / 6.5 / 15			
2.5 - 6			
6 / 6.5 / 11			
2.50 mm²			
6.00 mm²			
- / -			
M6			
3.2 - 3.7			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RSC 6-F		**3075919**	40

Accessories

D-RSC 6-F		**3213108**	50
FB 10-17	57 A	**3075951**	10
FB 10-17 ISO	57 A	**3213085**	10
TS-KK 3		**2770215**	50
AP RSC-T		**3059139**	10

ZB 17 (see Catalog 5)
ZBF 17 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
13	**79.9**	**49.8**	
Width	Length	Height NS 32	
13	**79.9**	**54.8**	
Width	Length	Height	
13	**79.9**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
50	**800²)**	**0.1 - 10**	**26 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800²)	600	-	-
50 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10			
5 / 5.3 / 10			
0.5 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
M4 / 1.2 - 1.4			
M5			
2 - 2.2			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
RSC 5-T		**3058172**	50

Accessories

D-RSC 5-T		**3058046**	50
FB 10-13	57 A¹)	**3059126**	10
FB 10-13 ISO	24 A	**3059663**	10
TS-KK 3		**2770215**	50
AP RSC-T		**3059139**	10
SZG 0,9X6,5 VDE		**1205134**	10

ZB 13 (see Catalog 5)
ZBF 13 (see Catalog 5)

Technical data

Width	Length	Height NS 35/7,5	
13	**79.9**	**-**	
Width	Length	Height NS 32	
13	**79.9**	**-**	
Width	Length	Height	
13	**79.9**	**39.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
50	**800²)**	**0.1 - 10**	**26 - 8**
IEC 60947-7-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
800²)	600	-	-
50 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10			
5 / 5.3 / 10			
0.5 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
M4 / 1.2 - 1.4			
M5			
2 - 2.2			
PA			
V0			

Ordering data

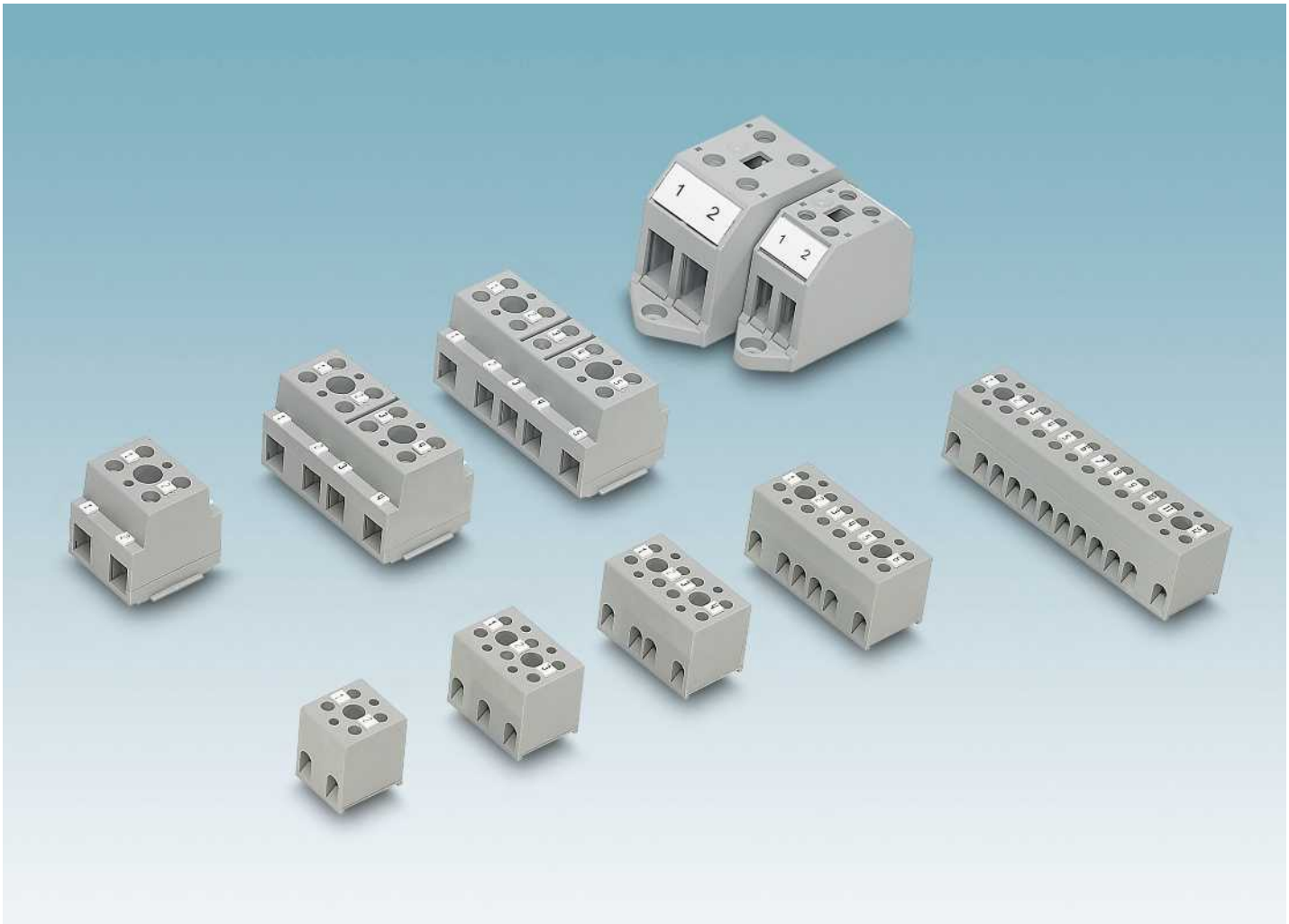
Type	I_{max}	Order No.	Pcs. / Pkt.
RSC 5-T-F		**3058334**	50

Accessories

D-RSC 5-T-F		**3059346**	50
FB 10-13	57 A¹)	**3059126**	10
FB 10-13 ISO	24 A	**3059663**	10
TS-KK 3		**2770215**	50
AP RSC-T		**3059139**	10
SZG 0,9X6,5 VDE		**1205134**	10

ZB 13 (see Catalog 5)
ZBF 13 (see Catalog 5)

Device terminal blocks





For direct rail-free use

Compact device terminal blocks fitted free of rails are mainly used in network connections for electric and electronic equipment and in small terminal boxes.



Safe conductor connection

The device terminal blocks are designed for very stringent requirements. The screw connection familiar from standard modular terminal blocks offers:

– Maintenance-free conductor connection
– Simple multi-conductor connection
– Conductor connection with or without ferrule



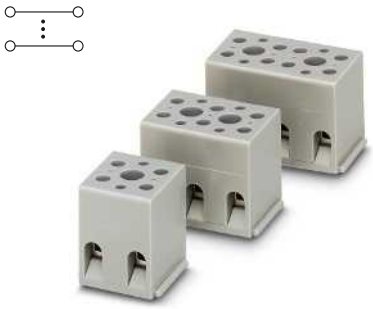
Comprehensive range

The device terminal block product family is available up to a nominal cross section of 35 mm² and 125 A with different numbers of positions.
The terminal blocks are clearly and unambiguously labeled with the labeling material.

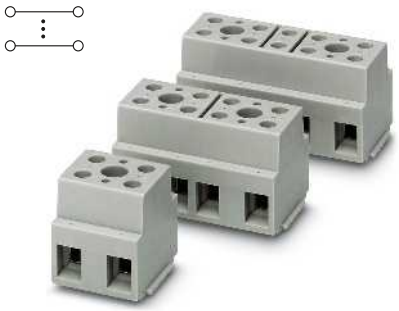
G 5/G 10 and GE 10... device terminal blocks for direct mounting

- Finger protection
- The housing ribs engage with one another below on both sides for simple attachment
- Mounting with two screws per block (apart from the 2-pos. version)

Notes:
For drawings and dimensions, visit www.phoenixcontact.net/products



4 (4) mm², 32 A, terminal block base, multi-position



10 (16) mm², 76 A, terminal block base, multi-position

Technical data

Dimensions		Width	Length	Height	
	[mm]	**20**	**22**	**24**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		32	**500**	**0.2 - 4**	**24 - 12**
Rated data		IEC 60947-7-1/IEC 60998 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	-
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	26-10	28-10	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
Two conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 1
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Technical data

		Width	Length	Height	
	[mm]	**29**	**33**	**31**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		76	**800**	**0.5 - 16**	**20 - 6**
		IEC 60947-7-1/IEC 60998 IEC	UL/CUL	CSA	IEC/ EN 60079-7
	[V]	800	600	600	-
	[A] / [mm²]	57 / 10	65 / -	65 / -	-
	[mm²]	10	-	-	-
	AWG	20 - 6	24-6	22-6	-
		solid	stranded	Ferrule Without / with plastic sleeve	
	[mm²]	0.5 - 16	0.5 - 10	0.5 - 16	0.5 - 16
	[mm²]	0.5 - 6	0.5 - 6	0.5 - 6	-
	[mm²]				0.5 - 6
	[mm]	12			
		M4			
	[Nm]	1.5 - 1.8			
		PA			
		V2			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Device terminal block, for direct mounting, 2-pos.	gray	**G 5/ 2**	**2716020**	50
3-pos.	gray	**G 5/ 3**	**2716033**	50
4-pos.	gray	**G 5/ 4**	**2716046**	50
5-pos.	gray			
6-pos.	gray	**G 5/ 6**	**2716062**	50
12-pos.	gray	**G 5/12**	**2716127**	50
Device terminal block, for direct mounting, bridged, 2-pos.	orange	**G 5/ 2 B**	**2716305**	50

Ordering data

Type	Order No.	Pcs. / Pkt.
G 10/ 2	**2716703**	10
G 10/ 3	**2716716**	10
G 10/ 4	**2716729**	10
G 10/ 5	**2716732**	10

Accessories

Warning label				
	yellow	**WS-G5/3**	**2720032**	10
	yellow	**WS-G5/4**	**2716499**	10
Marker pin, unprinted, made of plastic, for individual labeling with B-STIFT or X-PEN	white	**BN WH**	**1401404**	100
Screwdriver		**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10

Accessories

BN WH	**1401404**	100
SZS 1,0X4,0 VDE	**1205066**	10

GE 35... device terminal blocks for direct mounting

– Finger protection
– Mounting with two screws per block
– Large labeling option on terminal points

Notes:
For drawings and dimensions, visit www.phoenixcontact.net/products





10 (16) mm², 76 A, terminal block base, two-pos.



10 (16) mm², 76 A, terminal block base, two-pos., internally connected

Technical data

Dimensions		Width	Length	Height	
	[mm]	**24.8**	**71.3**	**40**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		76	**1000**	**0.5 - 16**	**20 - 6**
Rated data		IEC 60947-7-1/IEC 60998 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	57 / 10	- / -	-	-
Rated cross section	[mm²]	10	-	-	-
Cross section range	AWG	20 - 6	-	-	-
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
Two conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5	-
Two stranded conductors with a TWIN ferrule	[mm²]				0.5 - 6
General data					
Stripping length	[mm]	10			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Technical data

		Width	Length	Height	
	[mm]	**24.8**	**71.3**	**40**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		76	**1000**	**0.5 - 16**	**20 - 6**
		IEC 60947-7-1/IEC 60998 IEC	UL/CUL	CSA	IEC/ EN 60079-7
		1000	-	-	-
		57 / 10	- / -	-	-
		10	-	-	-
		20 - 6	-	-	-
		solid	stranded	Ferrule Without / with plastic sleeve	
		0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
		0.5 - 4	0.5 - 4	0.5 - 2.5	-
					0.5 - 6
		10			
		M4			
		1.5 - 1.8			
		PA			
		V2			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Device terminal block, for direct mounting, 2-pos.	gray	**GE 10/2**	**3071049**	25
2-pos.	blue	**GE 10/2 BU**	**3071052**	25
Device terminal block, for direct mounting, bridged, 2-pos.	gray			
2-pos., bridged	blue			
Device terminal block, for direct mounting, 1-pos.	gray			
	blue			
Device terminal block, for direct mounting, 2-pos.	gray			
	blue			
Device terminal block, for direct mounting, bridged, 2-pos.	gray			
	blue			

Ordering data

Type	Order No.	Pcs. / Pkt.
GE 10/2-B	**2701572**	25
GE 10/2-B BU	**2701573**	25

Accessories

Screwdriver	**SZS 1,0X4,0 VDE**	**1205066**	10
Lateral groove labeling	**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**		

Accessories

SZS 1,0X4,0 VDE	**1205066**	10
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)		



35 (35) mm², 125 A, terminal block base, single-pos.

Technical data

Width	Length	Height	
19.8	**83.7**	**44.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
125	**630**	**0.75 - 35**	**18 - 2**
IEC 60947-7-1/IEC 60998			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
630	-	-	-
125 / 35	- / -	-	-
35	-	-	-
18 - 2	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	-
			0.75 - 6

16	
M6	
3.5 - 4	
PA	
V2	

Ordering data

Type	Order No.	Pcs. / Pkt.
GE 35/1	**3071082**	25
GE 35/1 BU	**3071095**	25

Accessories

SZS 1,0X4,0 VDE	**1205066**	10
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)		



35 (35) mm², 125 A, terminal block base, two-pos.

Technical data

Width	Length	Height	
34.8	**83.7**	**44.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
125	**630**	**0.75 - 35**	**18 - 2**
IEC 60947-7-1/IEC 60998			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
630	-	-	-
125 / 35	- / -	-	-
35	-	-	-
18 - 2	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	-
			0.75 - 6

16	
M6	
3.5 - 4	
PA	
V2	

Ordering data

Type	Order No.	Pcs. / Pkt.
GE 35/2	**3071065**	25
GE 35/2 BU	**3071078**	25

Accessories

SZS 1,0X4,0 VDE	**1205066**	10
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)		



35 (35) mm², 125 A, terminal block base, two-pos., internally connected

Technical data

Width	Length	Height	
34.8	**83.7**	**44.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
125	**630**	**0.75 - 35**	**18 - 2**
IEC 60947-7-1/IEC 60998			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
630	-	-	-
125 / 35	- / -	-	-
35	-	-	-
18 - 2	-	-	-
solid	stranded	Ferrule	
		Without / with plastic sleeve	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	-
			0.75 - 6

16	
M6	
3.5 - 4	
PA	
V2	

Ordering data

Type	Order No.	Pcs. / Pkt.
GE 35/2-B	**2701569**	25
GE 35/2-B BU	**2701570**	25

Accessories

SZS 1,0X4,0 VDE	**1205066**	10
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)		

UDB ... trunk line branch terminals

N





25 (25) mm², 101 A, trunk line branch terminal, 2 x 16 mm² feeders

- The branch terminals from the UDB ... series are suitable for the simple voltage pick-off of main supply cables up to 35 mm²
- The UDB ... blocks are used in counter and marshalling cabinets
- They meet the requirements of DIN VDE 0603−2/EN 60998−1
- The touch-proof blocks can be snapped together in a modular fashion depending on the application and attached to NS 35 DIN rails according to EN 60715
- Available in two terminal block versions up to 25 mm² or up to 35 mm²
- Available in the five current conductor colors, e.g., for three-phase cables

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		23	**46**	**42**
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG
		101	**400**	**1.5 - 25** / **8 - 2**
Rated data		IEC 60998-1 IEC	UL/CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400	-	- / -
Nominal current / cross section	[A] / [mm²]	101 / 25	- / -	- / -
Rated cross section	[mm²]	25	-	- / -
Cross section range	AWG	8 - 2	-	- / -
Supply connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	1.5 - 25	10 - 25	1.5 - 16 / 1.5 - 10
Branch connection capacity		solid	stranded	Ferrule Without / with plastic sleeve
1 conductor	[mm²]	1.5 - 16	-	1.5 - 10 / 1.5 - 6
General data				
Stripping length	[mm]	16		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...	gray	**UDB 2X25/16 GY**	**3071355**	5
	black	**UDB 2X25/16 BK**	**3071356**	5
	brown	**UDB 2X25/16 BN**	**3071357**	5
	blue	**UDB 2X25/16 BU**	**3071358**	5
	green	**UDB 2X25/16 GN**	**3071359**	5

Accessories

Screwdriver	**SF-PZSL 1-80 VDE**	**1212556**	10
Marking	**0815677 EML (15X9)R**		



N



35 (35) mm², 125 A, trunk line branch terminal, 2 x 25 mm² feeders

Technical data

Width	Length	Height NS 35/7,5	
27	**55**	**46**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
125	**400**	**10 - 35**	**8 - 2**
IEC 60998-1			
IEC	UL/CUL	CSA	IEC/ EN 60079-7
400	-	-	-
125 / 35	- / -	- / -	-
35	-	-	-
8 - 2	-	-	-
solid	stranded	Ferrule Without / with plastic sleeve	
10 - 35	10 - 25	10 - 25	10 - 16
solid	stranded	Ferrule Without / with plastic sleeve	
1.5 - 25	-	1.5 - 16	1.5 - 10
25			
PA			
V0			

Ordering data

Type	Order No.	Pcs. / Pkt.
UDB 2X35/25 GY	**3071350**	5
UDB 2X35/25 BK	**3071351**	5
UDB 2X35/25 BN	**3071352**	5
UDB 2X35/25 BU	**3071353**	5
UDB 2X35/25 GN	**3071354**	5

Accessories

SF-PZSL 2-100 S-VDE	**1212700**	10
0815677 EML (15X9)R		

PSBJ ... test sockets

– The test sockets are tailored to the special applications encountered in the energy supply industry
– The PSBJ... test socket is used in place of the normal bridge screw and ensures the voltage tap on a bridged group of terminal blocks



4 mm test socket, for URTK/S test disconnect terminal blocks



4 mm test socket, for UK terminal blocks with M4 bridge thread

		Technical data			Technical data		
General data							
		Ordering data			**Ordering data**		
Description	Color	**Type**	**Order No.**	Pcs. / Pkt.	**Type**	**Order No.**	Pcs. / Pkt.
Test socket, insulated, for the URTK/S terminal block, M3.5 thread							
	transparent	**PSBJ 3,5/18/6 FARBLOS**	**0311391**	10			
	white	**PSBJ 3,5/18/6 WH**	**0311317**	10			
	red	**PSBJ 3,5/18/6 RD**	**0311320**	10			
	blue	**PSBJ 3,5/18/6 BU**	**0311333**	10			
	yellow	**PSBJ 3,5/18/6 YE**	**0311346**	10			
	green	**PSBJ 3,5/18/6 GN**	**0311359**	10			
	violet	**PSBJ 3,5/18/6 VT**	**0311362**	10			
	gray	**PSBJ 3,5/18/6 GY**	**0311375**	10			
	black	**PSBJ 3,5/18/6 BK**	**0311388**	10			
Test socket, insulated, can be used only with FBI and ISSBI							
	silver				**PSBJ 3/13/4**	**0201304**	10
Test socket, insulated, for UK 6 N, UK 10 N and URTK/SP and USST 10 terminal blocks, M4 thread							
	transparent				**PSBJ 4/15/6 FARBLOS**	**0303419**	10
	white				**PSBJ 4/15/6 WH**	**0303312**	10
	red				**PSBJ 4/15/6 RD**	**0303325**	10
	blue				**PSBJ 4/15/6 BU**	**0303354**	10
	yellow				**PSBJ 4/15/6 YE**	**0303367**	10
	green				**PSBJ 4/15/6 GN**	**0303370**	10
	violet				**PSBJ 4/15/6 VT**	**0303383**	10
	gray				**PSBJ 4/15/6 GY**	**0303396**	10
	black				**PSBJ 4/15/6 BK**	**0303406**	10
Test socket, fully insulated, for safety test plugs							
For the UK 5 N terminal block, thread M3	gray						
For the UK 6 N terminal block, thread M4	gray						
Can be used only with FBI 10-6, thread M3	gray						
Can be used only with FBI 10-8, thread M4	gray						
Female test plug, insulated							
	transparent						
	red						
	blue						
	yellow						
	green						
	violet						
	black						
	gray						
	brown						
Test socket, fully insulated, touch-proof in accordance with BGV A 2, for 4 mm Ø safety measuring leads, for universal test disconnect terminal block URTK/S, M3.5 thread							
	red						
	blue						
	yellow						
	green						
	violet						
	black						



4 mm test socket, for safety test plugs, for UK terminal blocks



4 mm test socket, for SRTK 6 and URTK 6 test disconnect terminal blocks, M3 thread



4 mm test socket, for safety test plugs, for URTK/S test disconnect terminal blocks

Technical data

Technical data

Technical data

Ordering data

Type	Order No.	Pcs. / Pkt.
PSBJ 3/52/6 GY	3048085	10
PSBJ 4/41/8 GY	3206186	10
PSBJ 3/50/6 GY	3048098	10
PSBJ 4/51/8 GY	3206173	10

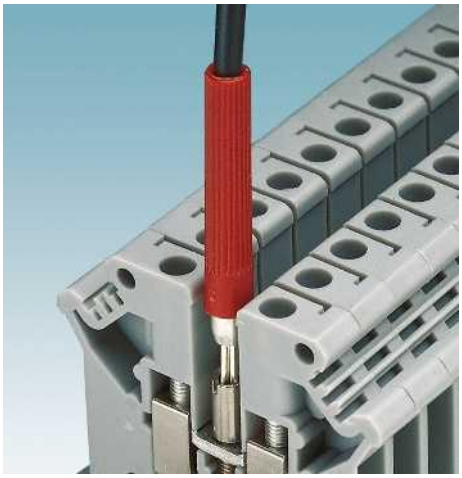
Ordering data

Type	Order No.	Pcs. / Pkt.
PSBJ-URTK 6 FARBLOS	3026450	10
PSBJ-URTK 6 RD	3026719	10
PSBJ-URTK 6 BU	3026434	10
PSBJ-URTK 6 YE	3026405	10
PSBJ-URTK 6 GN	3026418	10
PSBJ-URTK 6 VT	3026421	10
PSBJ-URTK 6 BK	3026447	10
PSBJ-URTK 6 GY	3026612	10
PSBJ-URTK 6 BN	3026971	10

Ordering data

Type	Order No.	Pcs. / Pkt.
PSBJ-URTK/S RD	0311744	10
PSBJ-URTK/S BU	0311757	10
PSBJ-URTK/S YE	0311731	10
PSBJ-URTK/S GN	0311760	10
PSBJ-URTK/S VT	0311773	10
PSBJ-URTK/S BK	0311728	10

PSB ... test sockets



- PSB ... test sockets are used for a reliable test connection
- All test sockets are screwed into the bridge shaft
- With PSB 3/10/4, the test connection is provided by the MPS miniature test plug with 2.3 mm diameter
- With PSB 6/5/6 and PSB 4/7/6, the test plug with 4 mm diameter is used



Test sockets for UK terminal blocks

Technical data

General data	
Material	silver-plated brass

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Test socket				
For the UK 2,5 N, UK 3 N, UK 5 N terminal blocks, M3 thread	silver	**PSB 3/10/4**	**0601292**	10
For the UK 6 N, UK 10 N, UK 16 N terminal blocks, M4 thread	silver	**PSB 4/7/6**	**0303299**	10
For UK 35 terminal block, M6 thread	silver	**PSB 6/5/6**	**0205290**	10

PS-... modular test plugs

- PS-...2,3MM modular test plugs can be used to put together individual test adapters
- The test plug reliably makes contact in the bridge shaft and in all test sockets with a 2.3 mm or 4 mm diameter
- PS-UK ... modular test plugs are simply placed on the bridge shaft of the corresponding terminal block and latched by pressing down the locking pin





Technical data

General data	
Insulating material	PA
Inflammability class according to UL 94	V0
Temperature range [°C]	-40 ... 100

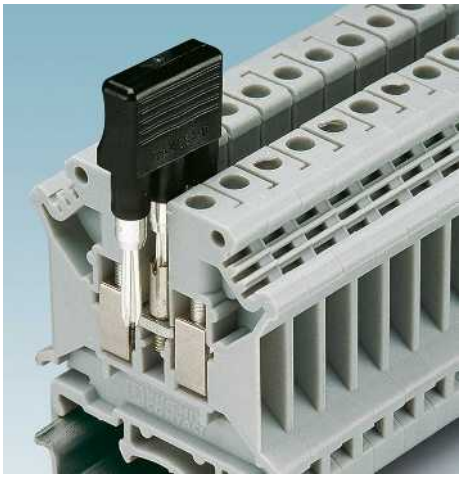
Technical data

	PA
	V2
	-40 ... 115

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
Test plug, consisting of: **metal part** for 4 mm Ø socket hole And						
				PS-MT	**0311647**	10
Insulating sleeve for PS metal part		6 mm	white	**PS-IH WH**	**0311566**	10
		6 mm	red	**PS-IH RD**	**0311579**	10
		6 mm	blue	**PS-IH BU**	**0311582**	10
		6 mm	yellow	**PS-IH YE**	**0311595**	10
		6 mm	green	**PS-IH GN**	**0311605**	10
		6 mm	violet	**PS-IH VT**	**0311618**	10
		6 mm	gray	**PS-IH GY**	**0311621**	10
		6 mm	black	**PS-IH BK**	**0311634**	10
Test plug metal part, 2.3 mm Ø						
		5 mm		**MPS-MT**	**0201744**	10
Test plug, consisting of: **metal part** for 4 mm Ø socket hole And 4 mm Ø				**MPS-MT/ 4MM**	**3048577**	1
Modular test plug housing, for MPS metal part, can be marked with ZB 5		5.2 mm	red	**PS-5/2,3MM RD**	**3038723**	10
Modular test plug housing, for MPS metal part, can be labeled with ZBF 6		6.2 mm	red	**PS-6/2,3MM RD**	**3038736**	10
Modular test plug housing, labeling with ZBF 7.5		7.5 mm	red	**PS-7,5/2,3MM RD**	**3038749**	10
Modular test plug housing, labeling with ZBF 8		8 mm	red	**PS-8/2,3MM RD**	**3048564**	10
Modular test plug, available as: 1-pos., can be aligned in any number, for terminal blocks UK 2.5 N, UK 3 N, UK 5 N, UK 3-TWIN, UK 5-TWIN		5 mm	red	**PS-UK 2,5 B/E**	**3001132**	10
Modular test plug, available as: set of 10 with connection pin, can be snapped together as desired, for terminal blocks UK 2,5 N, UK 3 N, UK 3-TWIN		5 mm	red	**PS-UK 2,5 B/Z-5**	**3001226**	1
Modular test plug, available as: set of 10 with connection pin, can be snapped together as desired, for terminal blocks UK 5 N, UK 5-TWIN Pitch 6.2 mm		5 mm	red	**PS-UK 2,5 B/Z-6**	**3001239**	1
An individual double-level test plug, makes contact in the upper and lower level simultaneously, available as: 1-pos., for UKK 3, UKK 3-LOER, UKKB 3, UKK 5, UKK 5-DIO, UKKB 5, UTTB ...	1	7.6 mm	red	**PS-UKK/E**	**3000641**	10
Modular double-level test plug, makes contact in the upper and lower level simultaneously, available as: 10-pos. blocks with two connection pins, for UKK 3, UKKB 3, UTTB 2,5	10	54.6 mm	red	**PS-UKK 3**	**3000638**	1
Modular double-level test plug, makes contact in the upper and lower level simultaneously, available as: 10-pos. blocks with two connection pins, for UKK 5, UKK 5-DIO, UKKB 5, UTTB 4	10	64.6 mm	red	**PS-UKK 5**	**3000625**	1

KSS ... short-circuit plugs



- Short-circuit plugs allow two or more neighboring terminal blocks, fitted with the PSB ... or PSBJ ... test sockets, to be easily short circuited
- The KSSI ... short-circuit plugs are suitable for use on insulated 4 mm test sockets for safety test plugs



2, 3, and 4-pos. short-circuit plugs

Technical data

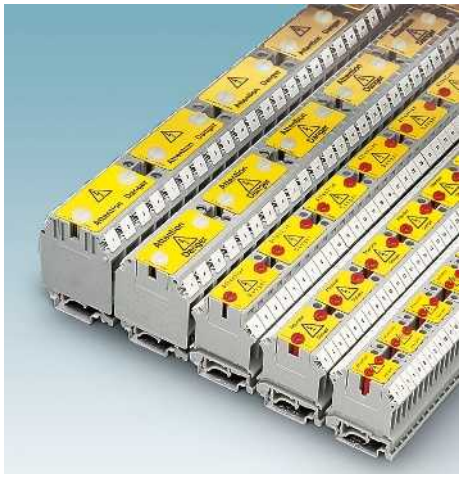
General data	
Material	PA
Inflammability class according to UL 94	V2

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Short-circuit plug, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ					
Pitch 5.2 mm	2	black	**KSS 5**	**2303543**	10
Pitch 6.2 mm	2	black	**KSS 6**	**0301547**	10
Pitch 8.2 mm	2	black	**KSS 8**	**0311540**	10
Pitch 10.2 mm	2	black	**KSS 10**	**0310541**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, with a pitch of 6.2 mm					
	3	black	**KSS 3- 6**	**0309523**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, with an 8.2 mm pitch					
	4	black	**KSS 4- 8**	**0309549**	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos.					
	2	black	**KSSI 2-8**	**3000722**	10
	4	black	**KSSI 4-8**	**3000735**	10



WS ... warning labels

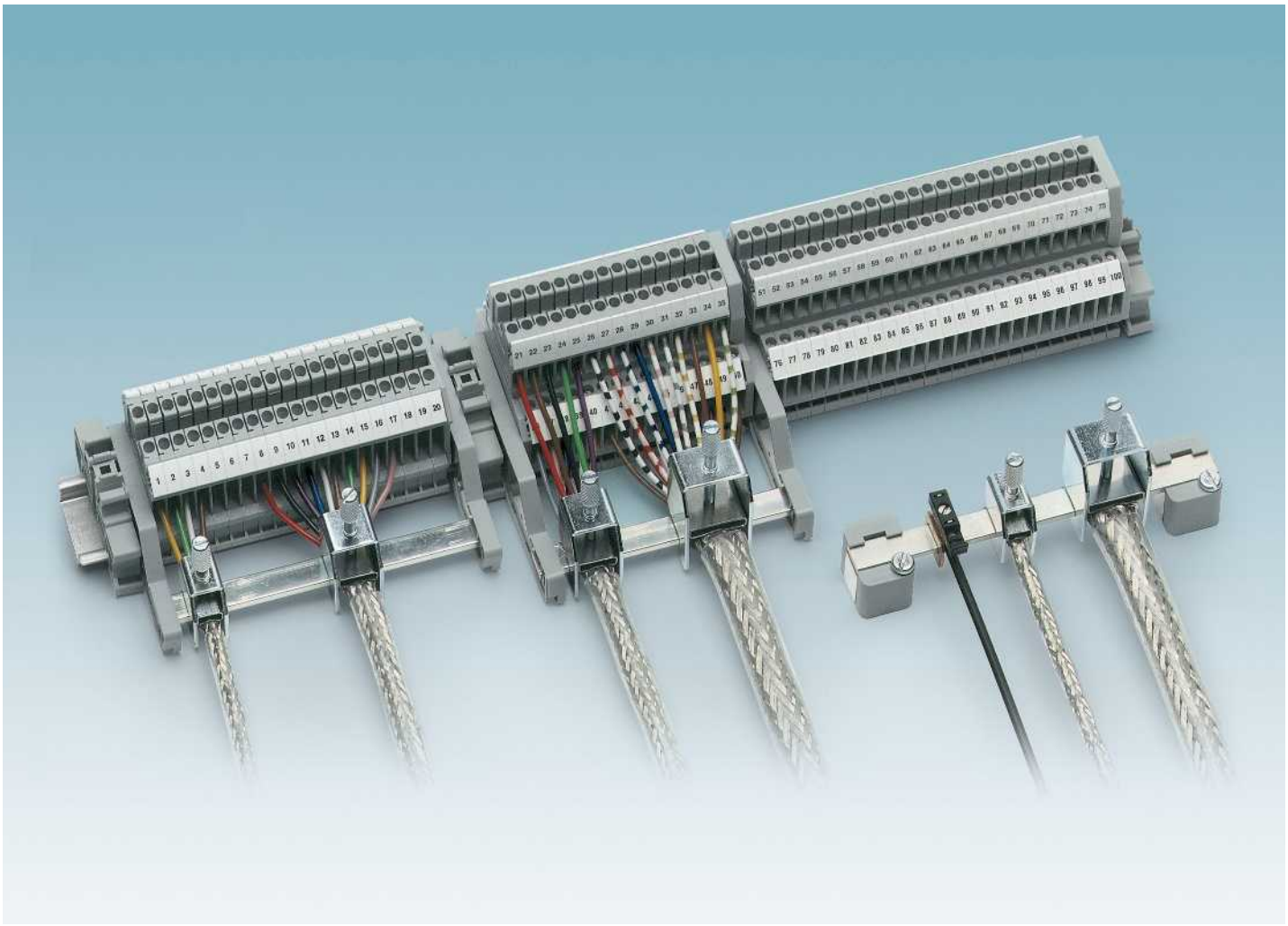


- Network connection terminal blocks are reliably covered and labeled using warning labels
- This prevents accidental actuation of the terminal points
- The warning labels are secured in the bridge shafts of the UK ... modular terminal blocks using plastic screws



Warning labels for UK feed-through terminal blocks

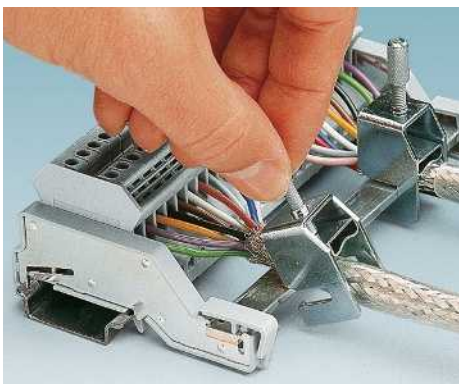
Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.
Warning label, with 2 plastic screws, 5 mm pitch				
covers 3 t.b.s	yellow	**WS 3- 5**	**0805357**	10
covers 4 t.b.s	yellow	**WS 4- 5**	**0805344**	10
covers 5 t.b.s	yellow	**WS 5- 5**	**0805331**	10
Warning label, with 2 plastic screws, 6 mm pitch				
covers 3 t.b.s	yellow	**WS 3- 6**	**1004115**	10
covers 4 t.b.s	yellow	**WS 4- 6**	**1004209**	10
covers 5 t.b.s	yellow	**WS 5- 6**	**1004403**	10
Warning label, with 2 plastic screws, 8 mm pitch				
covers 3 t.b.s	yellow	**WS 3- 8**	**1004128**	10
covers 4 t.b.s	yellow	**WS 4- 8**	**1004212**	10
covers 5 t.b.s	yellow	**WS 5- 8**	**1004416**	10
Warning label, with 2 plastic screws, 10 mm pitch				
covers 4 t.b.s	yellow	**WS 4-10**	**1004225**	10
covers 5 t.b.s	yellow	**WS 5-10**	**1004429**	10
Warning label, with 2 plastic screws, 12 mm pitch				
covers 4 t.b.s	yellow	**WS 4-12**	**0805328**	10
covers 5 t.b.s	yellow	**WS 5-12**	**0805315**	10
Warning label, with two plastic screws, 15 mm pitch				
covers 4 t.b.s	orange	**WS 4-15**	**1004241**	10
covers 5 t.b.s	orange	**WS 5-15**	**1004445**	10





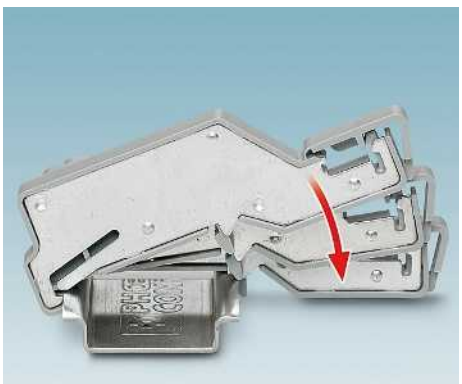
Large shield support

Shield connection terminal blocks are suitable for all standard cable shields and allow for EMC-compliant wiring through large surfaces and low-impendence and low-resistance contact transitions.



Easy to install

The shield connection terminal blocks offer optimum wiring convenience. Only once the terminal strip has been wired is the shield connection terminal block mounted by simply pivoting it into place.

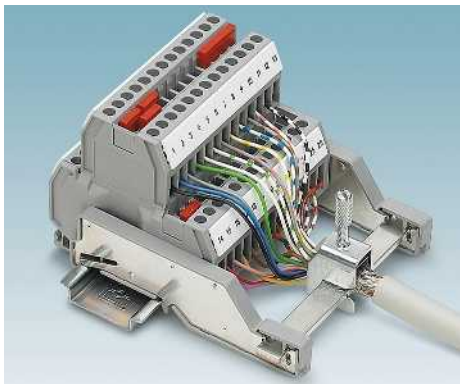


Safe contact

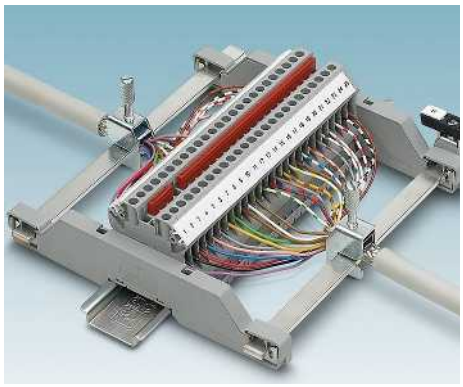
Phoenix Contact support frames for shield connection terminal blocks are easily snapped onto the mounting rail. The integrated contact metals allow the ground potential to be automatically connected to the busbar.



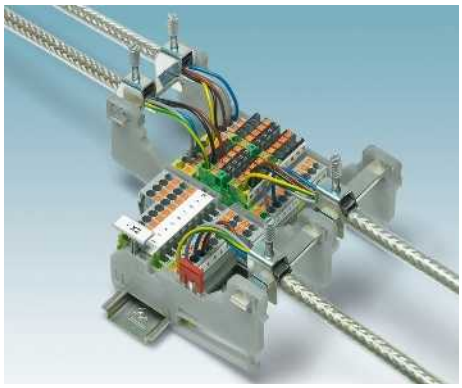
Conductors with a diameter of 2 to 35 mm can make optimum contact with the shield connection clamps of the SK series without any special tools and are available for various types of mounting.



The AB-SK single-sided shield support frames are particularly suitable for space-saving conductor connection for terminal blocks and devices with cable entry at the side.



The double support frame offers simple handling with optimum EMC properties for the two-sided support of a shielded cable. Either an isolated or grounded structure can be used.



The easiest way to wire terminal blocks with a front connection is using AB-SK TOP support frames located above the blocks. The NLS rail can be mounted in the support frames vertically, horizontally or at a 45° angle for optimum conductor placing.



The 3 x 10 mm PEN conductor busbar can also be quickly and safely snapped into the contact zone. The ground potential is thereby automatically connected to the busbar.



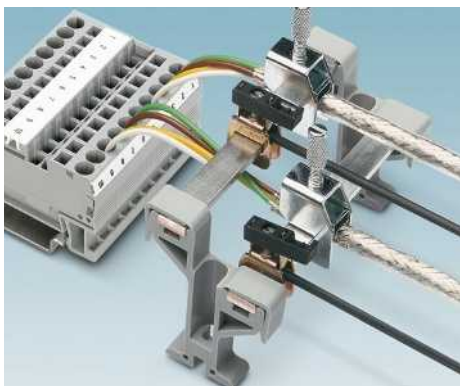
Featuring the same design as the SK series, shield supports with SK ...-D terminal blocks D can also be implemented directly on the mounting plate or back wall. The terminal blocks are simply pivoted into the two slots above the conductor.



Support frames with a lateral metal insert for the PEN conductor busbar or AB-SK/E T-shaped compact support frames are used to freely position the shield connection terminal blocks on the mounting plate.



Alternatively, the shielding can also be connected to ground potential isolated from protective earth ground. An appropriate contact to the PEN conductor busbar is established using a pick-off terminal block.



The easiest way to wire terminal blocks with a front connection is using support frames located above the blocks. This method also allows multi-level terminal blocks with short wiring paths to be connected in compliance with EMC requirements.

SK ... shield connection clamps

The screw-type shield connection clamps of the SK series are characterized by:
– Simple handling
– Knurled screw
– Spring-loaded, large pressure piece
– Suitable for direct and busbar mounting

Notes:

For dimensional drawings, see page 653.



Shield connection clamps for busbar mounting



Shield connection clamps for direct mounting

Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.	Ordering data: Type	Order No.	Pcs. / Pkt.
Shield connection clamp, for applying the shield to busbars, contact resistance < 1 mΩ							
Ø 2-5 mm, tightening torque 0.4 Nm	silver	**SK 5**	**3025338**	10			
Ø 3-8 mm, tightening torque 0.6 Nm	silver	**SK 8**	**3025163**	10			
Ø 3-14 mm, tightening torque 0.8 Nm	silver	**SK 14**	**3025176**	10			
Ø 5-20 mm, tightening torque 0.8 Nm	silver	**SK 20**	**3025189**	10			
Ø 5 - 28 mm, tightening torque 1 Nm	silver	**SK 28**	**3026997**	10			
Ø 20-35 mm, tightening torque 1.5-1.8 Nm	silver	**SK 35**	**3026463**	10			
Shield connection clamp, for applying the shield directly to the conductive mounting plates, plate thickness 1-2 mm							
Ø 2-5 mm, tightening torque 0.4 Nm	silver				**SK 5-D**	**3025406**	10
Ø 3-8 mm, tightening torque 0.6 Nm	silver				**SK 8-D**	**3026861**	10
Ø 3-14 mm, tightening torque 0.8 Nm	silver				**SK 14-D**	**3026874**	10
Ø 5-20 mm, tightening torque 0.8 Nm	silver				**SK 20-D**	**3026887**	10
Ø 5 - 28 mm, tightening torque 1 Nm	silver				**SK 28-D**	**3027006**	10
Ø 20-35 mm, tightening torque 1.5-1.8 Nm	silver				**SK 35-D**	**3026890**	10
		Accessories			**Accessories**		
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		**NLS-CU 3/10 SN 1000MM**	**0402174**	10			

SKS ... shield connection clamps

- SKS ... spring shield connection clamps are available for cable and conductor diameters of between 3 and 20 mm
- Three different forms of mounting are possible: on NS 35 DIN rails, on busbars or directly on conductive mounting plates

Notes:

For dimensional drawings, see page 653.



Shield connection clamps for busbar and direct mounting



Shield connection clamps for DIN rail mounting

Description	Color	Ordering data: Type	Order No.	Pcs. / Pkt.	Ordering data: Type	Order No.	Pcs. / Pkt.
Shield connection clamp, for applying the shield to busbars, contact resistance < 1 mΩ							
Ø 3-8 mm	silver	**SKS 8**	**3240210**	10			
Ø 3-14 mm	silver	**SKS 14**	**3240211**	10			
Ø 5-20 mm	silver	**SKS 20**	**3240212**	10			
Shield connection clamp, for directly applying the shield to conductive mounting plates, metal thickness 1-2 mm, with fastening screw M4							
Ø 3-8 mm	silver	**SKS 8-D**	**3240213**	10			
Ø 3-14 mm	silver	**SKS 14-D**	**3240214**	10			
Ø 5-20 mm	silver	**SKS 20-D**	**3240215**	10			
Shield connection clamp, with screwfix, mounting on DIN rail NS 35..., for shield support on busbars							
Ø 3-8 mm	silver				**SKS 8-NS35**	**3240216**	10
Ø 3-14 mm	silver				**SKS 14-NS35**	**3240217**	10
Ø 5-20 mm	silver				**SKS 20-NS35**	**3240218**	10
Shield connection clamp, with snap-on foot, mounting on DIN rail NS 35..., for shield support on busbars							
Ø 3-8 mm	silver				**SKS 8-SNS35**	**3062786**	10
Ø 3-14 mm	silver				**SKS 14-SNS35**	**3062799**	10
Ø 5-20 mm	silver				**SKS 20-SNS35**	**3062809**	10
		Accessories			**Accessories**		
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		**NLS-CU 3/10 SN 1000MM**	**0402174**	10	**NLS-CU 3/10 SN 1000MM**	**0402174**	10

Support frame for shield support on one side



AB-SK TOP

– For convenient shield connection, especially for single and multi-level terminal blocks and devices with a front connection
– The 3 x 10 mm rail can be mounted in the support frames vertically, horizontally and at a 45° angle for optimum conductor placing
– Compact design with 5.2 mm pitch
– Can be labeled with zack marker strip and KLM ... terminal strip markers; see Catalog 5
– Parking facility for FBS plug-in bridges
– End holder function
– For mounting SK and SKS shield connection clamps

AB-SK

– The AB-SK single-sided shield support frames are particularly suitable for space-saving conductor connection for terminal blocks and devices with cable entry at the side
– Available in two lengths
– For mounting SK shield connection clamps

AB-SKS

– For convenient shield connection, especially for single and multi-level terminal blocks and devices with a front connection
– Isolated to DIN rail
– End holder function
– For mounting SK and SKS shield connection clamps



Support frame, tall, for SK and SKS shield connection clamps

Technical data

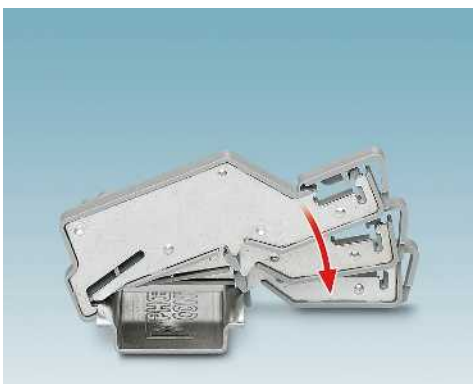
Dimensions	Width	Length	Height
[mm]	5.2	102.4	
General data			
Material	PA		

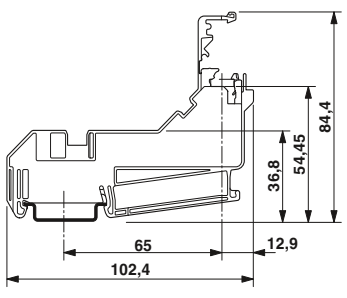
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Support frame with end holder function, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield connection clamps	gray	**AB-SK TOP**	**3062090**	10
Support frame with end holder function, for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield connection clamps	gray	**AB-SK TOP INSULATED**	**3062074**	10
Support frame, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK shield connection clamps	gray			
Support frame, 65 mm, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK shield connection clamps	gray			
Support frame with end holder function, for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield connection clamps	gray			

Accessories

PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	**0402174**	10
Lateral groove labeling		**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)** **UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		





AB-SK TOP



Support frame, for SK shield connection clamps



Support frame, 65 mm long, for SK shield connection clamps



Insulated support frame, tall, for SK and SKS shield connection clamps

Technical data

Width	Length	Height
6.2	77.35	
PA		

Ordering data

Type	Order No.	Pcs. / Pkt.
AB-SK	3025341	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

Technical data

Width	Length	Height
6.2	95.5	
PA		

Ordering data

Type	Order No.	Pcs. / Pkt.
AB-SK 65	3026489	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

Technical data

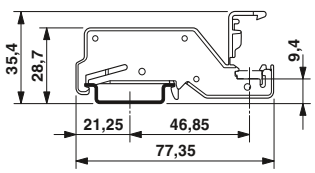
Width	Length	Height
9.5	97.8	
PA		

Ordering data

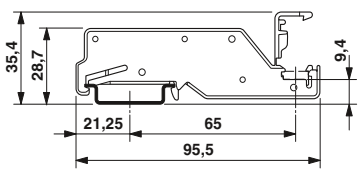
Type	Order No.	Pcs. / Pkt.
AB-SKS 60	3240223	10

Accessories

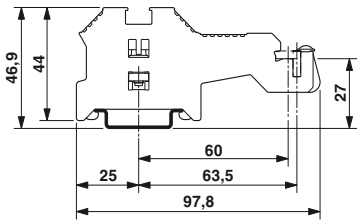
NLS-CU 3/10 SN 1000MM	0402174	10



AB-SK

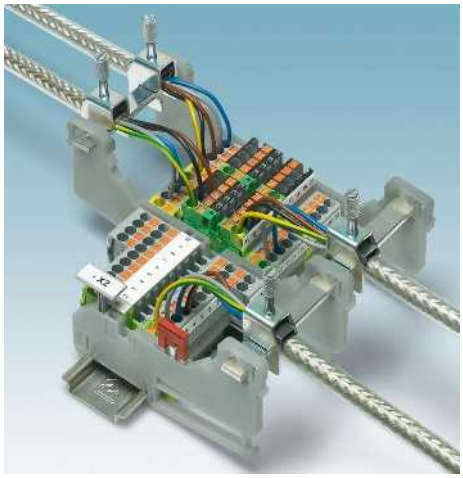


AB-SK 65



AB-SKS 60

Double support frame for shield support on both sides



AB-SK-D TOP

– For convenient shield connection, especially for single and multi-level terminal blocks and devices with a front connection
– The 3 x 10 mm rail can be mounted in the support frames vertically, horizontally and at a 45° angle for optimum conductor placing
– Compact design with 5.2 mm pitch
– Can be labeled with zack marker strip and KLM ... terminal strip markers; see Catalog 5
– Parking facility for bridges and plugs
– For mounting SK and SKS shield connection clamps

AB-SK 65-D

– The double shield support frames are particularly well suited to space-saving conductor connections for terminal blocks and devices with cable entry at the side
– Available in two lengths
– For mounting SK shield connection clamps





Double support frame, tall, for SK and SKS shield connection clamps

Technical data

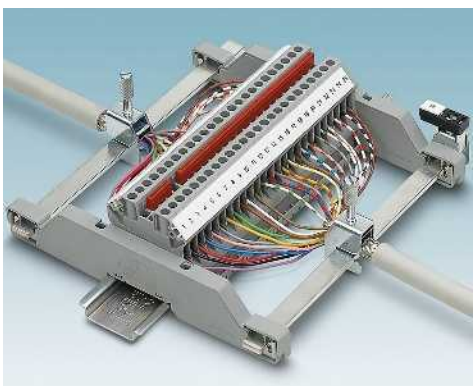
Dimensions	Width	Length	Height
[mm]	5.2	155.8	
General data			
Material	PA		

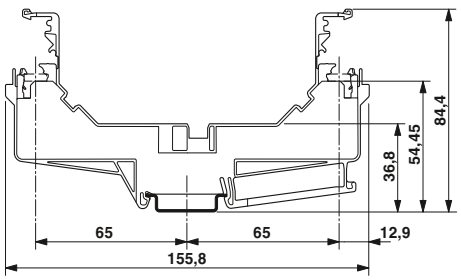
Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Double support frame with end bracket function, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield connection clamps	gray	**AB-SK-D TOP**	**3062100**	10
Double support frame with end bracket function, for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield connection clamps	gray			
Double support frame, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK shield connection clamps	gray			
Double support frame, 65 mm, for mounting on NS 35..., isolated to NS 35... for accommodating 3 x 10 mm busbars, SK shield connection clamps	gray			

Accessories

PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	**0402174**	10
Lateral groove labeling		**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)** **UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)**		





AB-SK-D TOP



Isolated, double support frame, tall, for SK and SKS shield connection clamps



Double support frame, tall, for SK shield connection clamps



Insulated, double support frame, tall, for SK shield connection clamps

Technical data

Width	Length	Height
5.2	155.8	

PA

Ordering data

Type	Order No.	Pcs. / Pkt.
AB-SK-D TOP INSULATED	3062087	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

Technical data

Width	Length	Height
8.2	150	

PA

Ordering data

Type	Order No.	Pcs. / Pkt.
AB-SK 65-D	3026900	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

Technical data

Width	Length	Height
8.2	150	

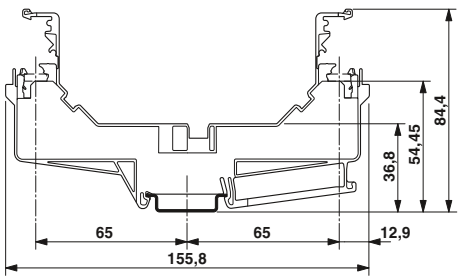
PA

Ordering data

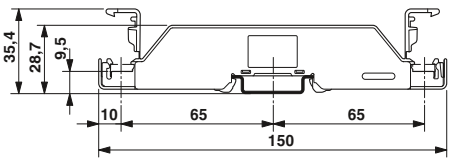
Type	Order No.	Pcs. / Pkt.
AB-SK 65-D INSULATED	3040889	10

Accessories

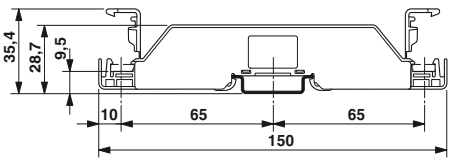
NLS-CU 3/10 SN 1000MM	0402174	10



AB-SK-D TOP INSULATED



AB-SK 65-D



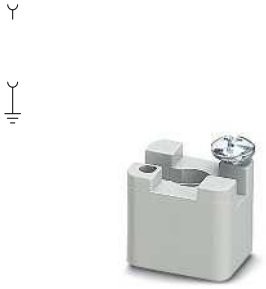
AB-SK 65-D INSULATED

SK shield connection clamps

Support frame for direct mounting

The support frames are available in the following versions:
– AB/SS for isolated installation on the mounting plate
– AB/SS-M for non-isolated installation on the mounting plate
– For mounting SK and SKS shield connection clamps

Notes:
For dimensional drawings, see www.phoenixcontact.net/products

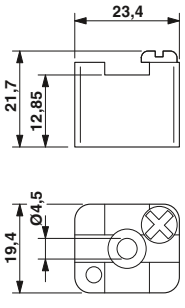


Support frame for SK shield connection clamps

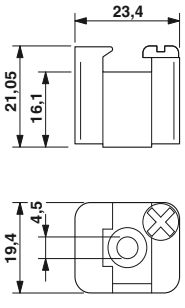


Support frame for SK and SKS shield connection clamps

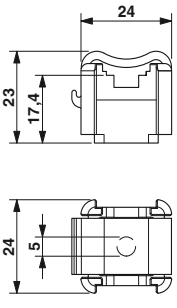
	Technical data			Technical data		
General data						
Material	PA			PA		
	Ordering data			**Ordering data**		
Description / Color	**Type**	**Order No.**	Pcs. / Pkt.	**Type**	**Order No.**	Pcs. / Pkt.
Support, insulated, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars / gray	**AB/SS**	**0404428**	10			
Support, with contact to the mounting plate, with retaining screw, for 3 x 10 mm busbars / gray	**AB/SS-M**	**3025888**	10			
Support, insulated, for 3 x 10 mm or 6 x 6 mm busbars / gray				**AB/SKS**	**3240224**	10
	Accessories			**Accessories**		
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A / silver	**NLS-CU 3/10 SN 1000MM**	**0402174**	10	**NLS-CU 3/10 SN 1000MM**	**0402174**	10



AB/SS



AB/SS-M

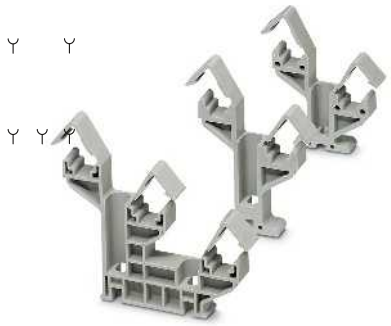


AB/SKS

Multi-level support for direct mounting



- Double and triple support frames for different busbars
- The type supports extremely compact design with large amounts of wiring, e.g., for multi-level front connection terminal blocks
- Support frames are insulated
- Direct mounting



Support, multi-level, insulated

Technical data

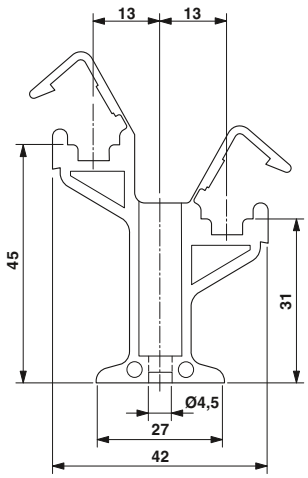
General data	
Material	PA

Ordering data

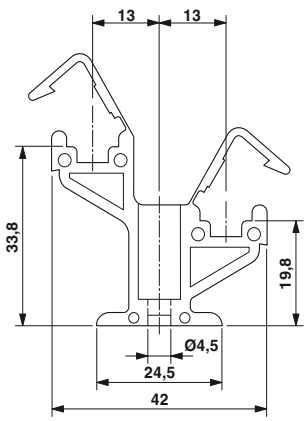
Description	Color	Type	Order No.	Pcs. / Pkt.
Double support, insulating material, optionally for use with 3 x 10 mm or 6 x 6 mm neutral busbar				
Height 48 mm	gray	**AB2/SS**	**0404431**	10
Height 36.8 mm	gray	**ABN 2/SS**	**0404460**	10
Triple support frame, made from insulation material	gray	**AB3/SS**	**0800086**	10

Accessories

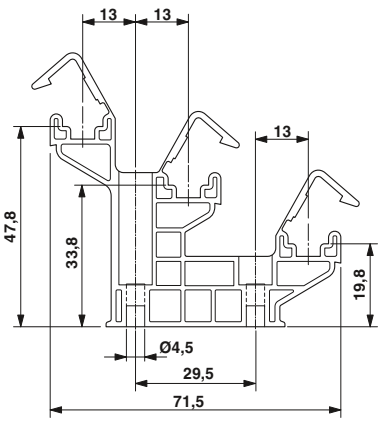
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	**0402174**	10
PEN conductor busbar, in accordance with DIN VDE 0611-4, 6 x 6 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 6/ 6 SN 1000MM**	**0402161**	10



AB2/SS



ABN 2/SS



AB3/SS

Support frame for direct and DIN rail mounting





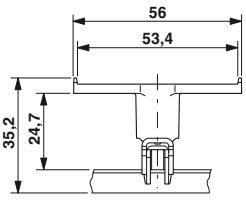
- T-shaped support frames for space-saving direct mounting and free positioning on the mounting plate
- Suitable for SK 5 to SK 14, SKS 8, and SKS 14 shield connection clamps
- Version for NS 35 DIN rail mounting

Technical data

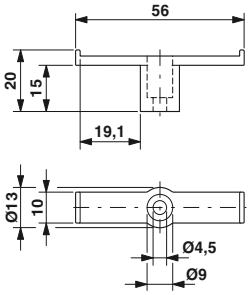
General data	
Material	Aluminum

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Support, for direct mounting with contacting on the mounting surface	silver	**AB-SK/E**	**3026476**	10
Support frame, for mounting on NS 35 DIN rails	silver	**AB-SK/E-NS 35**	**3213111**	10



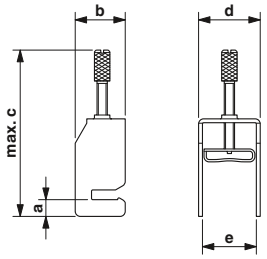
AB-SK/E-NS 35



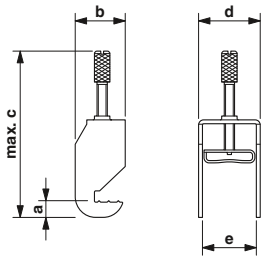
AB-SK/E

SK shield connection clamps

Dimensions in mm					
	a	b	c	d	e
SK 5	6.5	19.5	46.8	9	6
SK 8	6.5	19.5	48.7	12	9
SK 14	6.5	19.5	59.3	17	14
SK 20	6.5	19.5	75	24	21
SK 28	6.5	20	93	32	28
SK 35	6.5	20	106.5	40	36
SK 5-D	6.5	19.5	46.8	9	6
SK 8-D	6.5	19.5	47.2	12	9
SK 14-D	6.5	19.5	57.8	17	14
SK 20-D	6.5	19.5	73.5	24	21
SK 28-D	6.5	20	91.5	32	28
SK 35-D	6.5	20	105.0	41	36



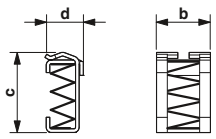
SK ...



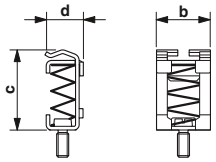
SK ...-D

SKS shield connection clamps

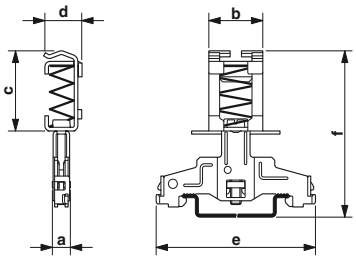
Dimensions in mm						
	a	b	c	d	e	f
SKS 8	–	18	26	12.4	–	–
SKS 14	–	21	32	19	–	–
SKS 20	–	27	40.5	24.7	–	–
SKS 8-D	–	18	26	12.4	–	–
SKS 14-D	–	21	32	19	–	–
SKS 20-D	–	27	40.5	24.7	–	–
SKS 8-NS35	6	18	26	12.4	52	54
SKS 14-NS35	6	21	32	19	52	60
SKS 20-NS35	6	27	40.5	24.7	52	68.4



SKS ...



SKS ...-D

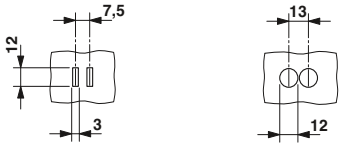


SKS ...-NS35

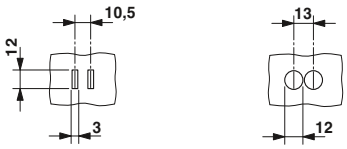
Drilling and punching patterns for SK...-D

Punching template

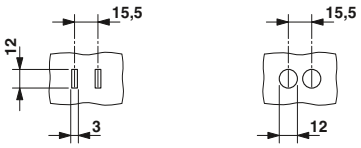
Drilling plan



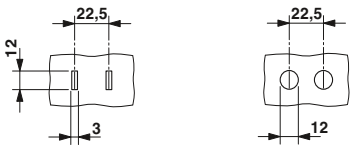
SK 5-D



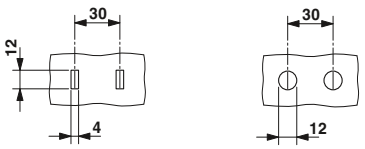
SK 8-D



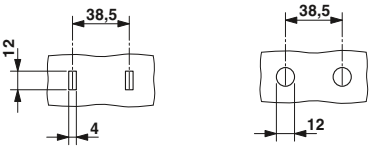
SK 14-D



SK 20-D



SK 28-D



SK 35-D


0
L1-L2
L1-N
L2-L3
L2-N
L3-N
2
3
1
4
Switch 1
Switch 2
1 3 5 7 9 11 13 15 17
2 4 6 8 10 12 14 16 18
Current transformer
1 3 5 7 9 11 13 15 17
FAME

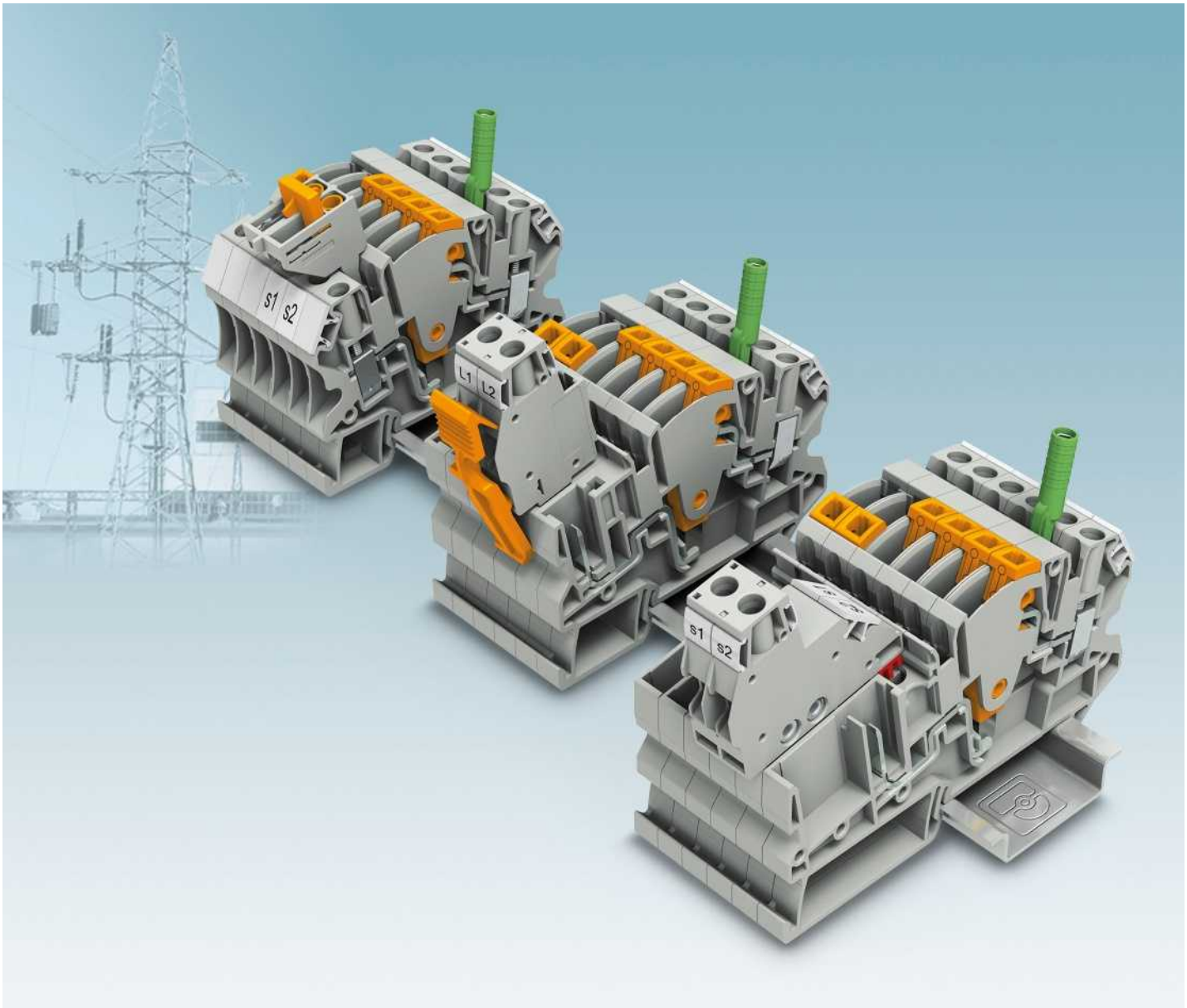
Sector-specific solutions

CLIPLINE complete provides the right modular terminal block system for every sector.
The various connection technologies cover the requirements of all applications and uses. Numerous international approvals and comprehensive standard tests ensure safe usage in all branches of industry.
Even special requirements, such as those affecting the railway industry, shipbuilding or explosion-protected areas of process engineering, are taken into account.

We also offer innovative solutions for sector-specific requirements, such as products for current transformer test circuits in energy technology as well as tailor-made solutions for photovoltaics and building installation.

Product range overview

Solutions for energy technology	**656**
Test disconnect terminal blocks for DIN rail mounting	**656**
Measuring transducer blocks for wall mounting	**658**
Rotary switches	**676**
Solutions for photovoltaics	**690**
Solutions for building installation	**692**

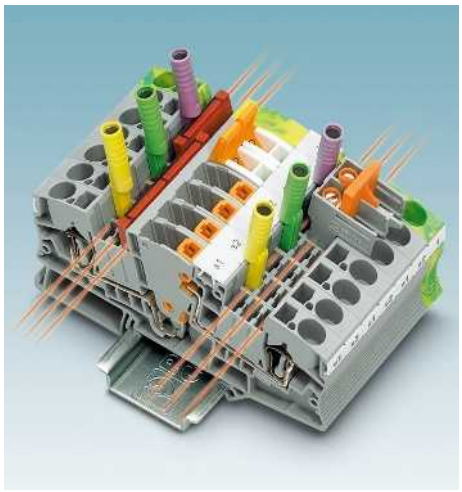


Phoenix Contact has provided the power supply sector with test disconnect terminal blocks for all current transformer and voltage transducer applications for many decades. In addition to the standard modular terminal blocks, the test disconnect terminal blocks are an integral part of the Phoenix Contact product portfolio.
The new ME series test disconnect terminal blocks from the CLIPLINE complete system enable the easy and individual structuring of measuring transducer sets. The plug-in accessories for testing and short circuiting the current transformers as well as the potential distribution can be placed within the terminal strip in accordance with the application. All switching statuses within the terminal strip are clearly visible.

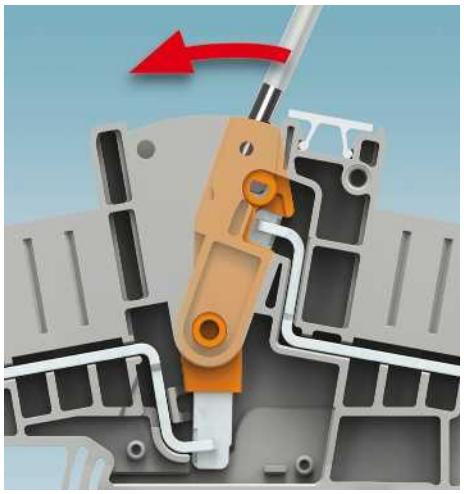
Consistent use of plug-in CLIPLINE complete system accessories helps to reduce mounting and storage costs. This series is also available with screw, spring-cage, and push-in connection technology.
The current transformers and voltage transducers can be wired in a particularly convenient way thanks to the plug-in test disconnect terminal blocks. When the patented current transformer plugs are removed, an automatically leading short circuit is ensured. By using the appropriate coding and strain relief accessories, the measuring transducers can also be connected in a modular and plug-in fashion.

This means that these test disconnect terminal blocks are ideally suited to control and measuring technology - from the counter (smart metering) right up to the secondary technology of switchgear and power stations.

The corresponding test disconnect terminal blocks can be found in the relevant sections covering the specific connection technology.



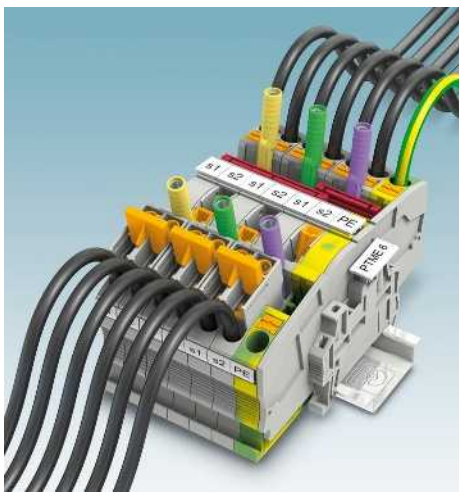
The triple function shaft on both longitudinal sides enables the manual placement of bridge, test, and switching accessories. Non-adjacent plug-in bridges also allow the star point to be formed conveniently within the terminal strip, without the need for additional wire jumpers.



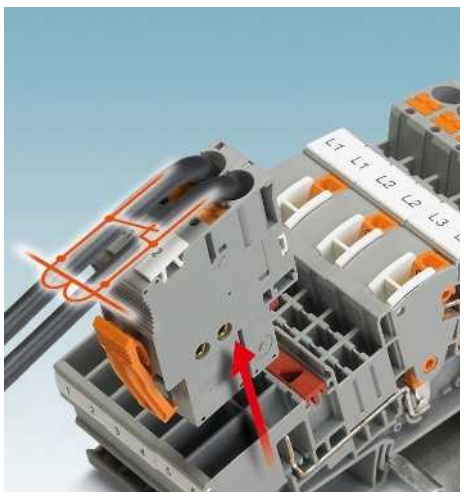
The lengthwise disconnector reliably makes contact and latches with a swiveling movement in the respective switching state. Switching symbols and optional switching locks also ensure a clear overview within the measuring transducer terminal strip.



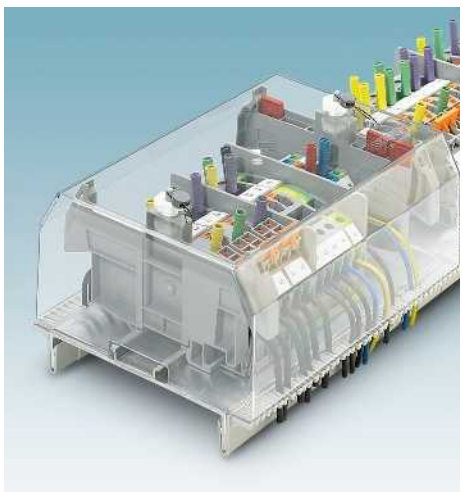
The plug-in current transformer short-circuit jumpers can be used individually, based on the switching task, in the function shafts of the terminal blocks. The switching jumper disconnect element is operated with a screwdriver, which means that the switching operation is only ever activated intentionally.



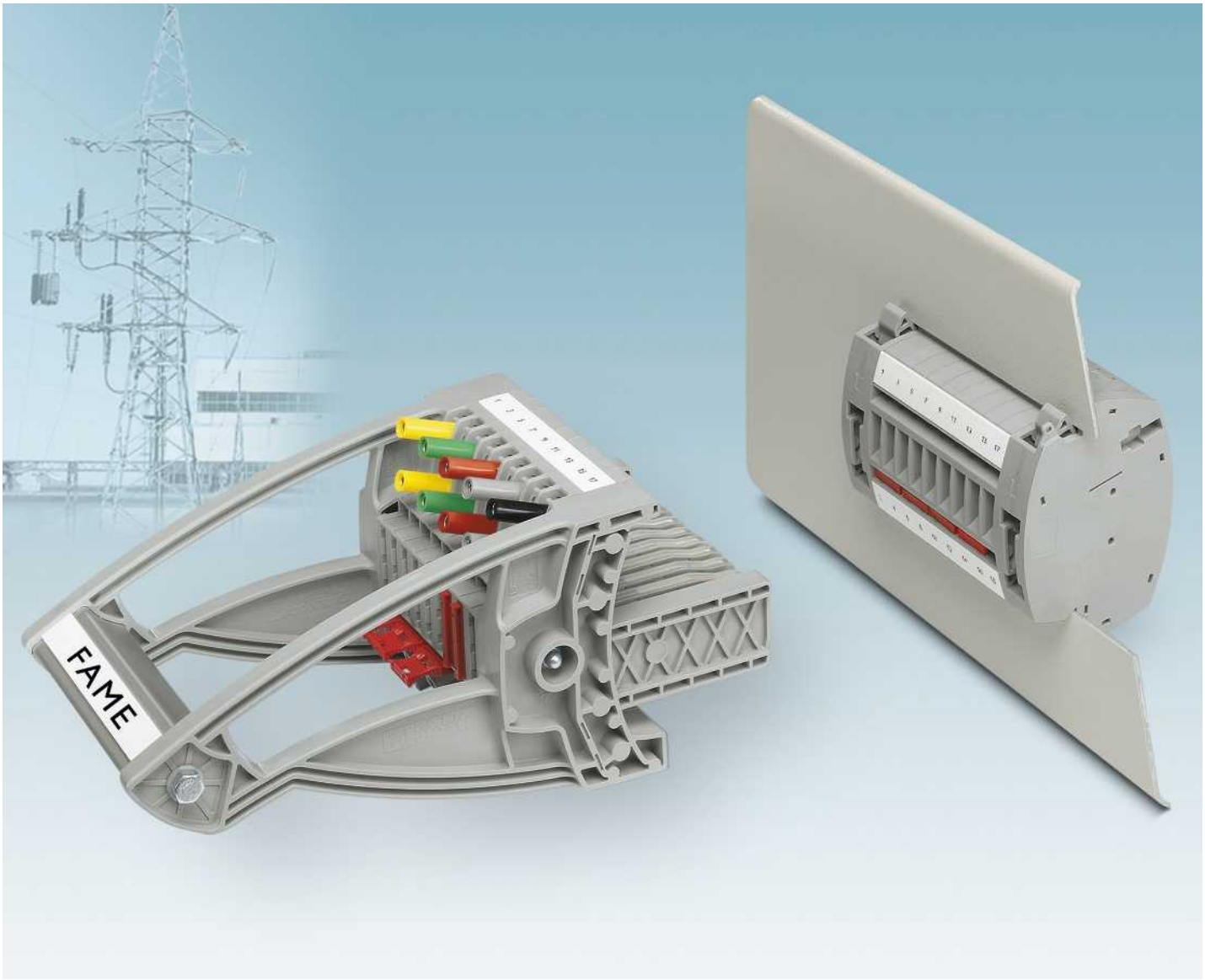
Feed-through and PE terminal blocks of the same shape are also available for the test/disconnect terminal blocks. They simplify the addition of attachments to the terminal strip and also enable convenient star point grounding within the terminal strip.



The plug-in current transformer disconnect terminal blocks and plugs also enable the safe plug-in wiring of current transformers. When the transformer plug is removed, a leading current transformer short circuit is automatically ensured. Additional coding accessories prevent the polarity of the plug from being reversed.



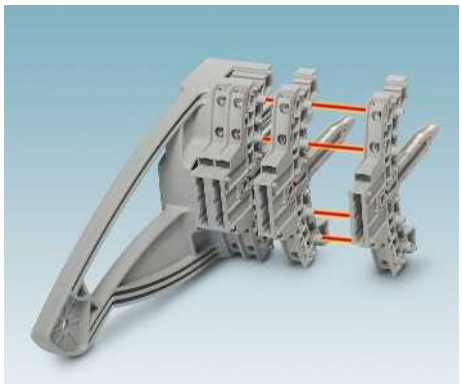
Cover profiles and covering hoods are available as accessories. These can be mounted and sealed on the measuring transducer strip in a way which protects them against external influences and manipulation.



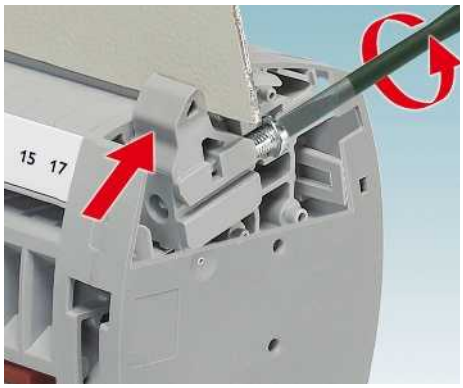
Switchable terminal blocks in a wide range of designs for energy generation and distribution have been part of the modular terminal block product range for decades. These terminal blocks are specifically tailored to the test circuits in current transformer and voltage transducer secondary circuits. Manual switching operations short circuit current transformers prior to measurements being taken.
The FAME test system represents the further development of these switchable terminal blocks. The system consists of a test block built into the control cabinet panel and the associated power and test plugs.
It is characterized by:
– Modular design
– Easy panel mounting
– Automatic transformer short circuit

Thanks to its modular design, FAME is a flexible system which can be used to implement any conceivable number of positions. This means that the right solution is available for every circuit diagram.
Panel mounting enables installation in the control cabinet door. This allows tests to be carried out without having to access the inside of the control cabinet (wiring level), which eliminates the possibility of modifications or manipulation.
The transformer short circuit is at the heart of the system and is implemented automatically when the power or test plug is removed. This increases the level of safety considerably during current transformer and protective device testing.

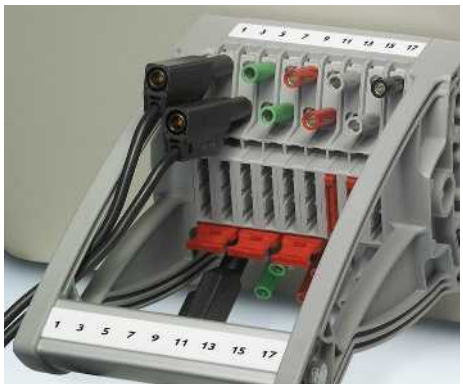
The system is configured for current transformer and voltage transducer applications using bridges and test plugs from the CLIPLINE complete system.



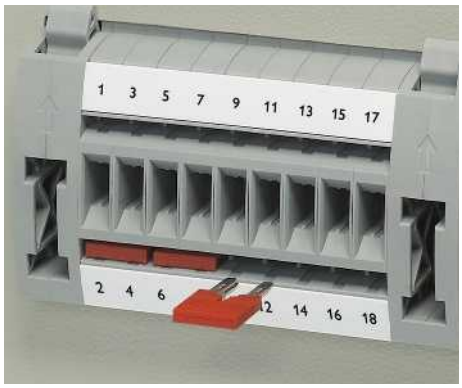
The compact and modular design of the system, as well as the plugs and test blocks, provides the right number of positions for every application.



The patented wall fastening is easy to use and has a robust design. Large tolerances in the plate cutout of up to 4 mm are compensated for by the eccentric function.



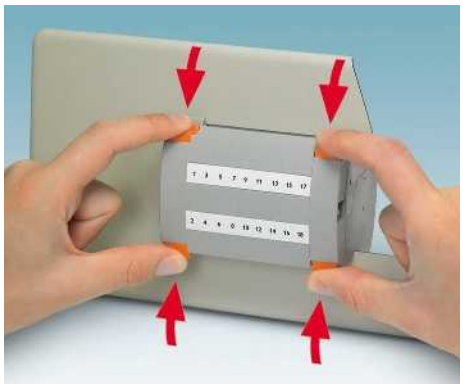
Thanks to the optional use of plug-in bridges, all test circuits can be implemented in the plug. Staggered test sockets enable the use of safety test leads in a confined space.



The transducer block offers two function shafts for short-circuit jumpering on the control cabinet exterior. The power plug safely covers the short-circuit jumpers in normal operation.



In addition to the two marking grooves, the test blocks also offer two function shafts inside the control cabinet, which are used, for example, to form the star point with the help of plug-in bridges.



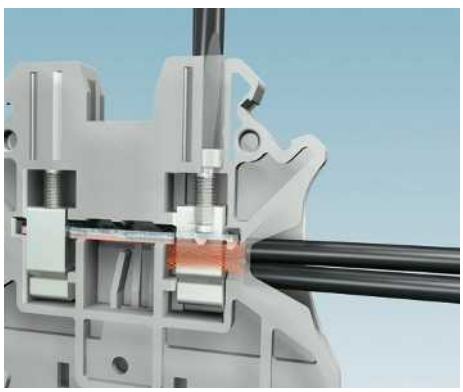
The robust latching of the power plug can only be released with two-hand operation.



The power plug is protected against unauthorized actuation thanks to the optional seal.



Large-surface labeling options on the inside and outside of the control cabinet enable the clear identification of each terminal point.



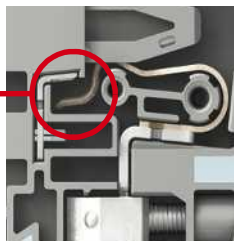
The screw connection is characterized by three main features.
– Global standard
– Multi-conductor connection
– Zero maintenance thanks to Reakdyn principle

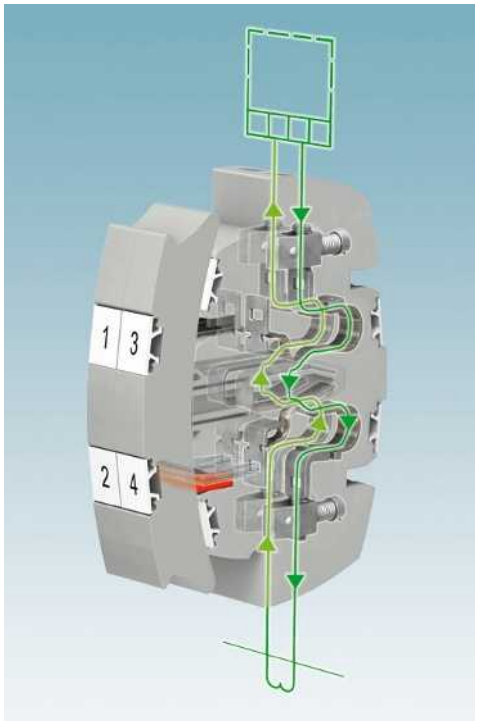
FAME – safe in every operating state

The new, modular FAME measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely.
The automatically generated transformer short circuit and the shock-proof design ensure the highest degree of safety during measurement.

Normal operation

Switch contact
open

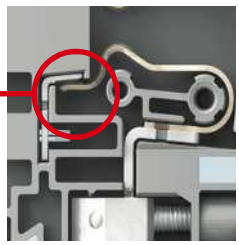


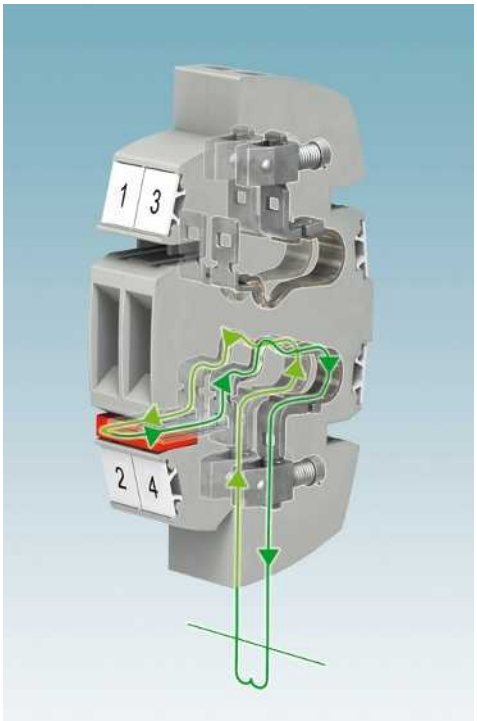


When the power plug is used, the transformer short circuit is automatically overridden and the measuring transducer operates safely.

Transformer short circuit

Switch contact
closed

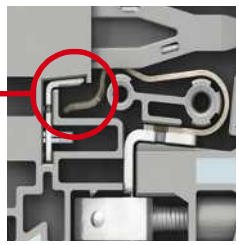


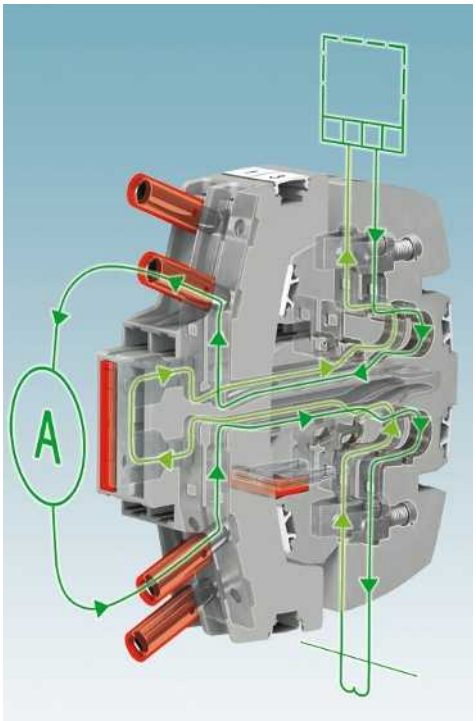


If the plug is removed, the integrated switch contact automatically establishes a leading short circuit.
Connected measuring transducers are safely protected against damage.

Test operation

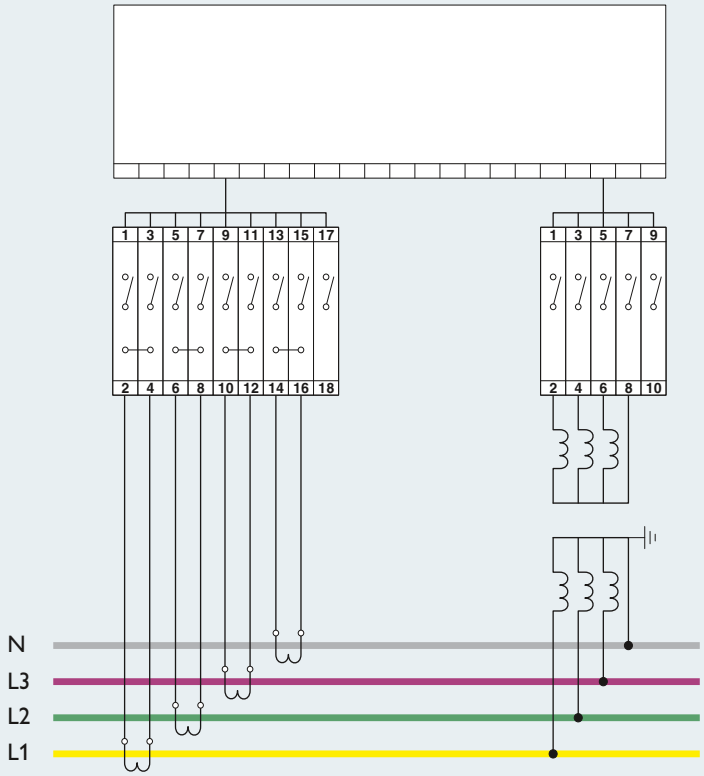
Switch contact
open



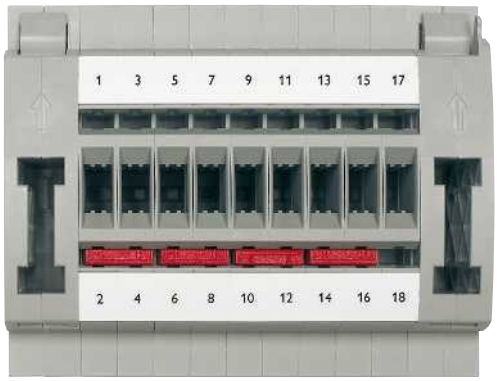


When inserting the test plug, the ammeter connected to the test plug is first of all looped into the circuit. Then the transformer short circuit is automatically overridden.

Circuit example
Current transformers and voltage transducers



FAME test block for current transformers



Test block, power plug, test plug

Order No.	Type	Required quantity
3069064	UTWE 6/8+1	1
3069297	FWP 8+1	1
3069242	FTP 8+1	1

Plug-in bridge

3030284	FBS 2-8	4

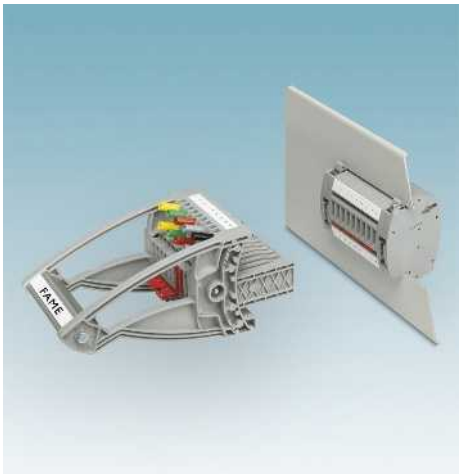
FAME test block for voltage transducers



Test block, power plug, test plug

Order No.	Type	Required quantity
3069048	UTWE 6/4+1	1
3069271	FWP 4+1	1
3069223	FTP 4+1	1

UTWE 6/4+1 measuring transducer block, 5-pos. with plug



The modular FAME measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely. The automatically generated transformer short circuit and the shock-proof design ensure the highest degree of safety during measurement. In addition to the advantages described in the introduction, the system is characterized by the following:

– The test blocks can be used universally for voltage transducers and current transformers
– The integrated, robust switch contact is designed for the most stringent demands, and the use of high-grade materials guarantees the transmission of signal currents, even after multiple actuations
– The robustly designed test plug guarantees user-friendly handling and provides fixing options for the test leads to be connected
– Space-saving design, with a pitch of just 8.2 mm and a 10 mm² screw connection
– FAME 6/…BI test blocks are available for standard panel cutouts
– The dummy plug serves as a protective cover for the test block when the power plug is unplugged
– Adapter for mounting on NS 35... DIN rail

See www.phoenixcontact.net/products

Notes:
For further test adapters, test sockets, and plugs for use with screw test sockets, visit www.phoenixcontact.net/products.
Derating curve on request.
To create panel cutouts, see www.phoenixcontact.net/products.
1) Rated surge voltage: 4 kV.

N



6 (10) mm², 30 A, measuring transducer block, 5-pos.

Technical data

Max. electrical data				
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
30	**400[1])**	**0.2 - 10**	**24 - 8**	
Rated data	IEC 60947-7-1			
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400[1])	-	-	-
Nominal current / cross section [A] / [mm²]	24 / 6	- / -	-	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	24 - 8	-	-	-
Connection capacity	solid	stranded	Ferrule	
			Without / with plastic sleeve	
1 conductor [mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
Two conductors (of the same type) [mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 2.5
General data				
Stripping length [mm]	10			
Screw thread	M4			
Tightening torque [Nm]	1.5 - 1.8			
Tightening torque for wall fastening [Nm]	0.8 - 1			
Panel thickness [mm]	1 - 4			
Tightening torque: test socket screw [Nm]	-			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Measuring transducer block		gray	**UTWE 6/4+1**		**3069048**	5
Power plug		gray				
Test plug		gray				
Dummy plug		orange				

Accessories

Plug-in bridge						
	2	red	**FBS 2-8**	24 A	**3030284**	10
	3	red	**FBS 3-8**	24 A	**3030297**	10
	4	red	**FBS 4-8**	24 A	**3030307**	10
	5	red	**FBS 5-8**	24 A	**3030310**	10
	6	red	**FBS 6-8**	24 A	**3032470**	10
	10	red	**FBS 10-8**	24 A	**3030323**	10
Pre-assembled bridge, labeled						
3-pos., positions 1, 3	2	red	**FBS 1/3-8**	24 A	**3032363**	10
4-pos., positions 1, 4	2	red	**FBS 1/4-8**	24 A	**3032376**	10
5-pos., positions 1, 3, 5	3	red	**FBS 1/3/5-8**	24 A	**3032389**	10
10-pos. positions 1, 4, 7, 10	4	red	**FBS 1/4/7/10-8**	24 A	**3032402**	10
Plug-in bridge, with extraction tool						
	2	red				
	3	red				
	4	red				
Test adapter, for 4-mm-Ø safety test plug, snapped into bridge shaft		orange	**PAI-4-FIX OG**		**3034455**	10
Female test plug, insulated		transparent				
		red				
		green				
		yellow				
		black				
Fork-type cable lug, non-isolated DIN 46234		silver				
Screwdriver			**SF-SL 0,8X4,0-100**		**1212551**	10
Lateral groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**			

N



30 A, power plug, 5-pos.

N



24 A, test plug, 5-pos., including two test sockets per position

N



Dummy plug, 5-pos.

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**400[1])**	**-**	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[1])	-	-	-
24 / 6	- / -	-	-
6	-	-	-
-	-	-	-

solid	stranded	Ferrule Without / with plastic sleeve	
-	-	-	-
-	-	-	-

-
-
-
-
-
-
PA
V0

Ordering data

Type	Order No.	Pcs. / Pkt.
FWP 4+1	**3069271**	5

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**400[1])**	**0.5 - 2.5**	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[1])	-	-	-
24 / 2.5	- / -	-	-
-	-	-	-
-	-	-	-

solid	stranded	Ferrule Without / with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-

-
-
-
-
-
0.5 - 0.6
PA
V0

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
FTP 4+1		**3069223**	1

Accessories

FBS 2-8	24 A	**3030284**	10
FBS 3-8	24 A	**3030297**	10
FBS 4-8	24 A	**3030307**	10
FBS 5-8	24 A	**3030310**	10
FBS 6-8	24 A	**3032470**	10
FBS 10-8	24 A	**3030323**	10
FBS 1/3-8	24 A	**3032363**	10
FBS 1/4-8	24 A	**3032376**	10
FBS 1/3/5-8	24 A	**3032389**	10
FBS 1/4/7/10-8	24 A	**3032402**	10
FBSRH 2-8	24 A	**3033802**	10
FBSRH 3-8	24 A	**3033803**	10
FBSRH 4-8	24 A	**3033804**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 RD		**3026719**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 BK		**3026447**	10
C-FC 1,5/M3		**3240137**	100

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

		max. Ø [mm²]	AWG
		-	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
-	-	-	-
-	-	-	-

solid	stranded	Ferrule Without / with plastic sleeve	
-	-	-	-
-	-	-	-

-
-
-
-
-
-
PA
V0

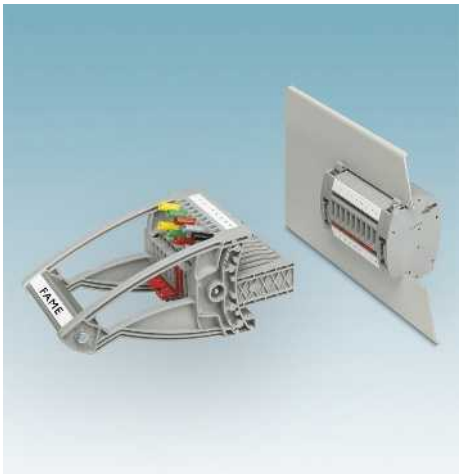
Ordering data

Type	Order No.	Pcs. / Pkt.
FBP 4+1	**3069405**	5

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

UTWE 6/4+1 BI measuring transducer block, 5-pos. for standard panel cut-out with plug



The modular FAME measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely. The automatically generated transformer short circuit and the shock-proof design ensure the highest degree of safety during measurement. In addition to the advantages described in the introduction, the system is characterized by the following:

– The test blocks can be used universally for voltage transducers and current transformers
– The integrated, robust switch contact is designed for the most stringent demands, and the use of high-grade materials guarantees the transmission of signal currents, even after multiple actuations
– The robustly designed test plug guarantees user-friendly handling and provides fixing options for the test leads to be connected
– Space-saving design, with a pitch of just 8.2 mm and a 10 mm² screw connection
– FAME 6/…BI test blocks are available for standard panel cutouts
– The dummy plug serves as a protective cover for the test block when the power plug is unplugged
– Adapter for mounting on NS 35... DIN rail

See www.phoenixcontact.net/products

Notes:
For further plug-in bridges, test adapters, test sockets, and plugs for use with screw test sockets, see www.phoenixcontact.net/products.
Derating curve on request.
To create panel cutouts, see www.phoenixcontact.net/products.
1) Rated surge voltage: 4 kV.

N



6 (10) mm², 30 A, measuring transducer block, 5-pos.

Technical data

Max. electrical data				
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
30	**400[1])**	**0.2 - 10**	**24 - 8**	
Rated data	IEC 60947-7-1			
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400[1])	-	-	-
Nominal current / cross section [A] / [mm²]	24 / 6	- / -	-	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	24 - 8	-	-	-
Connection capacity	solid	stranded	Ferrule	
			Without / with plastic sleeve	
1 conductor [mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
Two conductors (of the same type) [mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 2.5
General data				
Stripping length [mm]	10			
Screw thread	M4			
Tightening torque [Nm]	1.5 - 1.8			
Tightening torque for wall fastening [Nm]	0.8 - 1			
Panel thickness [mm]	1 - 4			
Tightening torque: test socket screw [Nm]	-			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Measuring transducer block		gray	**UTWE 6/4+1 BI**		**3070008**	5
Power plug		gray				
Test plug		gray				
Dummy plug		orange				

Accessories

Plug-in bridge						
	2	red	**FBS 2-8**	24 A	**3030284**	10
	3	red	**FBS 3-8**	24 A	**3030297**	10
	4	red	**FBS 4-8**	24 A	**3030307**	10
	5	red	**FBS 5-8**	24 A	**3030310**	10
	6	red	**FBS 6-8**	24 A	**3032470**	10
	10	red	**FBS 10-8**	24 A	**3030323**	10
Pre-assembled bridge, labeled						
3-pos., positions 1, 3	2	red	**FBS 1/3-8**	24 A	**3032363**	10
4-pos., positions 1, 4	2	red	**FBS 1/4-8**	24 A	**3032376**	10
5-pos., positions 1, 3, 5	3	red	**FBS 1/3/5-8**	24 A	**3032389**	10
10-pos. positions 1, 4, 7, 10	4	red	**FBS 1/4/7/10-8**	24 A	**3032402**	10
Plug-in bridge, with extraction tool						
	2	red				
	3	red				
	4	red				
Test adapter, for 4-mm-Ø safety test plug, snapped into bridge shaft		orange	**PAI-4-FIX OG**		**3034455**	10
Female test plug, insulated		transparent				
		red				
		green				
		yellow				
		black				
Fork-type cable lug, non-isolated DIN 46234		silver				
Screwdriver			**SF-SL 0,8X4,0-100**		**1212551**	10
Lateral groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**			

N



30 A, power plug, 5-pos.

N



24 A, test plug, 5-pos., including two test sockets per position

N



Dummy plug, 5-pos.

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**400[1])**	**-**	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[1])	-	-	-
24 / 6	- / -	-	-
6	-	-	-
-	-	-	-

solid	stranded	Ferrule	Without / with plastic sleeve
-	-	-	-
-	-	-	-

-	
-	
-	
-	
-	
-	
PA	
V0	

Ordering data

Type	Order No.	Pcs. / Pkt.
FWP 4+1	**3069271**	5

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**400[1])**	**0.5 - 2.5**	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[1])	-	-	-
24 / 2.5	- / -	-	-
-	-	-	-
-	-	-	-

solid	stranded	Ferrule	Without / with plastic sleeve
-	0.5 - 2.5	-	-
-	-	-	-

-	
-	
-	
-	
-	
0.5 - 0.6	
PA	
V0	

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
FTP 4+1		**3069223**	1

Accessories

FBS 2-8	24 A	**3030284**	10
FBS 3-8	24 A	**3030297**	10
FBS 4-8	24 A	**3030307**	10
FBS 5-8	24 A	**3030310**	10
FBS 6-8	24 A	**3032470**	10
FBS 10-8	24 A	**3030323**	10
FBS 1/3-8	24 A	**3032363**	10
FBS 1/4-8	24 A	**3032376**	10
FBS 1/3/5-8	24 A	**3032389**	10
FBS 1/4/7/10-8	24 A	**3032402**	10
FBSRH 2-8	24 A	**3033802**	10
FBSRH 3-8	24 A	**3033803**	10
FBSRH 4-8	24 A	**3033804**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 RD		**3026719**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 BK		**3026447**	10
C-FC 1,5/M3		**3240137**	100

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

		max. Ø [mm²]	AWG
		-	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
-	-	-	-
-	-	-	-

solid	stranded	Ferrule	Without / with plastic sleeve
-	-	-	-
-	-	-	-

-	
-	
-	
-	
-	
-	
PA	
V0	

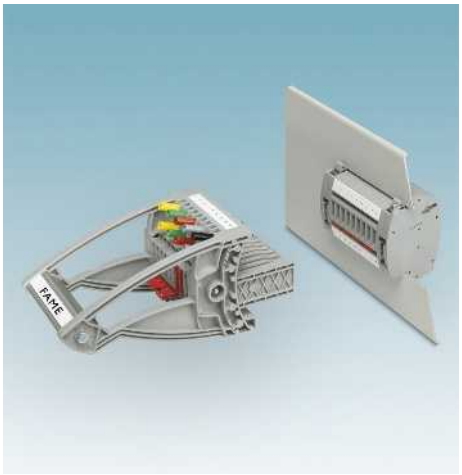
Ordering data

Type	Order No.	Pcs. / Pkt.
FBP 4+1	**3069405**	5

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

UTWE 6/5+1 measuring transducer block, 6-pos. with plug



The modular FAME measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely. The automatically generated transformer short circuit and the shock-proof design ensure the highest degree of safety during measurement. In addition to the advantages described in the introduction, the system is characterized by the following:

– The test blocks can be used universally for voltage transducers and current transformers
– The integrated, robust switch contact is designed for the most stringent demands, and the use of high-grade materials guarantees the transmission of signal currents, even after multiple actuations
– The robustly designed test plug guarantees user-friendly handling and provides fixing options for the test leads to be connected
– Space-saving design, with a pitch of just 8.2 mm and a 10 mm² screw connection
– FAME 6/…BI test blocks are available for standard panel cutouts
– The dummy plug serves as a protective cover for the test block when the power plug is unplugged
– Adapter for mounting on NS 35... DIN rail

See www.phoenixcontact.net/products

Notes:
For further plug-in bridges, test adapters, test sockets, and plugs for use with screw test sockets, see www.phoenixcontact.net/products.
Derating curve on request.
To create panel cutouts, see www.phoenixcontact.net/products.
[1]) Rated surge voltage: 4 kV.

N



6 (10) mm², 30 A, measuring transducer block base, 6-pos.

Technical data

Max. electrical data				
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
30	**400[1])**	**0.2 - 10**	**24 - 8**	
Rated data	IEC 60947-7-1			
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400[1])	-	-	-
Nominal current / cross section [A] / [mm²]	24 / 6	- / -	-	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	24 - 8	-	-	-
Connection capacity	solid	stranded	Ferrule	
			Without / with plastic sleeve	
1 conductor [mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
Two conductors (of the same type) [mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 2.5
General data				
Stripping length [mm]	10			
Screw thread	M4			
Tightening torque [Nm]	1.5 - 1.8			
Tightening torque for wall fastening [Nm]	0.8 - 1			
Panel thickness [mm]	1 - 4			
Tightening torque: test socket screw [Nm]	-			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Measuring transducer block		gray	**UTWE 6/5+1**		**3069049**	5
Power plug		gray				
Test plug		gray				
Dummy plug		orange				

Accessories

Plug-in bridge						
	2	red	**FBS 2-8**	24 A	**3030284**	10
	3	red	**FBS 3-8**	24 A	**3030297**	10
	4	red	**FBS 4-8**	24 A	**3030307**	10
	5	red	**FBS 5-8**	24 A	**3030310**	10
	6	red	**FBS 6-8**	24 A	**3032470**	10
	10	red	**FBS 10-8**	24 A	**3030323**	10
Pre-assembled bridge, labeled						
3-pos., positions 1, 3	2	red	**FBS 1/3-8**	24 A	**3032363**	10
4-pos., positions 1, 4	2	red	**FBS 1/4-8**	24 A	**3032376**	10
5-pos., positions 1, 3, 5	3	red	**FBS 1/3/5-8**	24 A	**3032389**	10
10-pos. positions 1, 4, 7, 10	4	red	**FBS 1/4/7/10-8**	24 A	**3032402**	10
Plug-in bridge, with extraction tool						
	2	red				
	3	red				
	4	red				
Test adapter, for 4-mm-Ø safety test plug, snapped into bridge shaft		orange	**PAI-4-FIX OG**		**3034455**	10
Female test plug, insulated		transparent				
		red				
		green				
		yellow				
		black				
Fork-type cable lug, non-isolated DIN 46234		silver				
Screwdriver			**SF-SL 0,8X4,0-100**		**1212551**	10
Lateral groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**			

N



30 A, power plug, 6-pos.

N



24 A, test plug, 6-pos., including two test sockets per position

N



Dummy plug, 6-pos.

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**400[1])**	**-**	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[1])	-	-	-
24 / 6	- / -	-	-
6	-	-	-
-	-	-	-

solid	stranded	Ferrule	Without / with plastic sleeve
-	-	-	-
-	-	-	-

-	
-	
-	
-	
-	
-	
PA	
V0	

Ordering data

Type	Order No.	Pcs. / Pkt.
FWP 5+1	**3069272**	5

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**400[1])**	**0.5 - 2.5**	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[1])	-	-	-
24 / 2.5	- / -	-	-
-	-	-	-
-	-	-	-

solid	stranded	Ferrule	Without / with plastic sleeve
-	0.5 - 2.5	-	-
-	-	-	-

-	
-	
-	
-	
-	
-	
0.5 - 0.6	
PA	
V0	

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
FTP 5+1		**3069241**	1

Accessories

FBS 2-8	24 A	**3030284**	10
FBS 3-8	24 A	**3030297**	10
FBS 4-8	24 A	**3030307**	10
FBS 5-8	24 A	**3030310**	10
FBS 6-8	24 A	**3032470**	10
FBS 10-8	24 A	**3030323**	10
FBS 1/3-8	24 A	**3032363**	10
FBS 1/4-8	24 A	**3032376**	10
FBS 1/3/5-8	24 A	**3032389**	10
FBS 1/4/7/10-8	24 A	**3032402**	10
FBSRH 2-8	24 A	**3033802**	10
FBSRH 3-8	24 A	**3033803**	10
FBSRH 4-8	24 A	**3033804**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 RD		**3026719**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 BK		**3026447**	10
C-FC 1,5/M3		**3240137**	100

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

max. Ø [mm²]	AWG
-	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
-	-	-	-
-	-	-	-

solid	stranded	Ferrule	Without / with plastic sleeve
-	-	-	-
-	-	-	-

-	
-	
-	
-	
-	
-	
-	
PA	
V0	

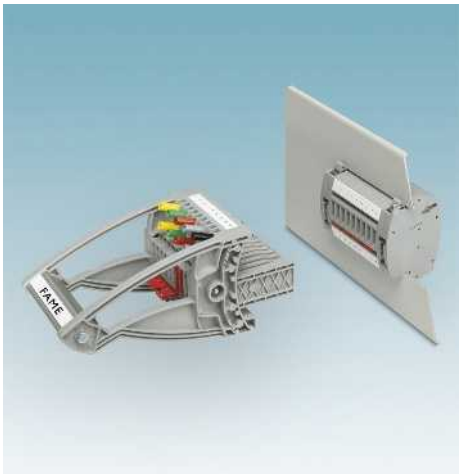
Ordering data

Type	Order No.	Pcs. / Pkt.
FBP 5+1	**3069409**	5

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

UTWE 6/6+1 measuring transducer block, 7-pos. with plug



The modular FAME measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely. The automatically generated transformer short circuit and the shock-proof design ensure the highest degree of safety during measurement. In addition to the advantages described in the introduction, the system is characterized by the following:

– The test blocks can be used universally for voltage transducers and current transformers
– The integrated, robust switch contact is designed for the most stringent demands, and the use of high-grade materials guarantees the transmission of signal currents, even after multiple actuations
– The robustly designed test plug guarantees user-friendly handling and provides fixing options for the test leads to be connected
– Space-saving design, with a pitch of just 8.2 mm and a 10 mm² screw connection
– FAME 6/…BI test blocks are available for standard panel cutouts
– The dummy plug serves as a protective cover for the test block when the power plug is unplugged
– Adapter for mounting on NS 35... DIN rail

See www.phoenixcontact.net/products

Notes:
For further plug-in bridges, test adapters, test sockets, and plugs for use with screw test sockets, see www.phoenixcontact.net/products.
Derating curve on request.
To create panel cutouts, see www.phoenixcontact.net/products.
1) Rated surge voltage: 4 kV.

N



6 (10) mm², 30 A, measuring transducer block base, 7-pos.

Technical data

Max. electrical data				
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
30	**400[1])**	**0.2 - 10**	**24 - 8**	
Rated data	IEC 60947-7-1			
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400[1])	-	-	-
Nominal current / cross section [A] / [mm²]	24 / 6	- / -	-	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	24 - 8	-	-	-
Connection capacity	solid	stranded	Ferrule	
			Without / with plastic sleeve	
1 conductor [mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
Two conductors (of the same type) [mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 2.5
General data				
Stripping length [mm]	10			
Screw thread	M4			
Tightening torque [Nm]	1.5 - 1.8			
Tightening torque for wall fastening [Nm]	0.8 - 1			
Panel thickness [mm]	1 - 4			
Tightening torque: test socket screw [Nm]	-			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Measuring transducer block		gray	**UTWE 6/6+1**		**3069051**	5
Power plug		gray				
Test plug		gray				
Dummy plug		orange				

Accessories

Plug-in bridge						
	2	red	**FBS 2-8**	24 A	**3030284**	10
	3	red	**FBS 3-8**	24 A	**3030297**	10
	4	red	**FBS 4-8**	24 A	**3030307**	10
	5	red	**FBS 5-8**	24 A	**3030310**	10
	6	red	**FBS 6-8**	24 A	**3032470**	10
	10	red	**FBS 10-8**	24 A	**3030323**	10
Pre-assembled bridge, labeled						
3-pos., positions 1, 3	2	red	**FBS 1/3-8**	24 A	**3032363**	10
4-pos., positions 1, 4	2	red	**FBS 1/4-8**	24 A	**3032376**	10
5-pos., positions 1, 3, 5	3	red	**FBS 1/3/5-8**	24 A	**3032389**	10
10-pos. positions 1, 4, 7, 10	4	red	**FBS 1/4/7/10-8**	24 A	**3032402**	10
Plug-in bridge, with extraction tool						
	2	red				
	3	red				
	4	red				
Test adapter, for 4-mm-Ø safety test plug, snapped into bridge shaft		orange	**PAI-4-FIX OG**		**3034455**	10
Female test plug, insulated		transparent				
		red				
		green				
		yellow				
		black				
Fork-type cable lug, non-isolated DIN 46234		silver				
Screwdriver			**SF-SL 0,8X4,0-100**		**1212551**	10
Lateral groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**			

N



30 A, power plug, 7-pos.

N



24 A, test plug, 7-pos., including two test sockets per position

N



Dummy plug, 7-pos.

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**400[1])**	**-**	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[1])	-	-	-
24 / 6	- / -	-	-
6	-	-	-
-	-	-	-

solid	stranded	Ferrule Without / with plastic sleeve	
-	-	-	-
-	-	-	-

-
-
-
-
-
-
PA
V0

Ordering data

Type	Order No.	Pcs. / Pkt.
FWP 6+1	**3069284**	5

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**400[1])**	**0.5 - 2.5**	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[1])	-	-	-
24 / 2.5	- / -	-	-
-	-	-	-
-	-	-	-

solid	stranded	Ferrule Without / with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-

-
-
-
-
-
-
0.5 - 0.6
PA
V0

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
FTP 6+1		**3069239**	1

Accessories

FBS 2-8	24 A	**3030284**	10
FBS 3-8	24 A	**3030297**	10
FBS 4-8	24 A	**3030307**	10
FBS 5-8	24 A	**3030310**	10
FBS 6-8	24 A	**3032470**	10
FBS 10-8	24 A	**3030323**	10
FBS 1/3-8	24 A	**3032363**	10
FBS 1/4-8	24 A	**3032376**	10
FBS 1/3/5-8	24 A	**3032389**	10
FBS 1/4/7/10-8	24 A	**3032402**	10
FBSRH 2-8	24 A	**3033802**	10
FBSRH 3-8	24 A	**3033803**	10
FBSRH 4-8	24 A	**3033804**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 RD		**3026719**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 BK		**3026447**	10
C-FC 1,5/M3		**3240137**	100

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

max. Ø [mm²]	AWG
-	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
-	-	-	-
-	-	-	-

solid	stranded	Ferrule Without / with plastic sleeve	
-	-	-	-
-	-	-	-

-
-
-
-
-
-
-
PA
V0

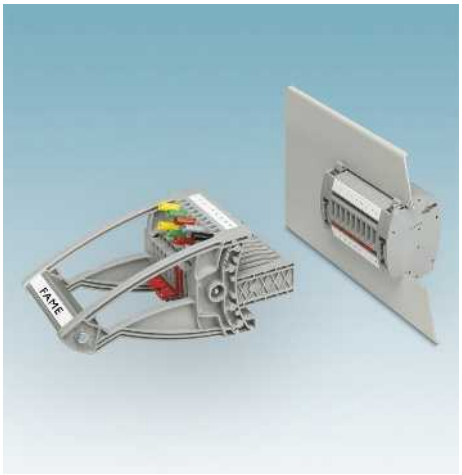
Ordering data

Type	Order No.	Pcs. / Pkt.
FBP 6+1	**3069406**	5

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

UTWE 6/6+1 BI measuring transducer block, 7-pos. for standard panel cut-out with plug



The modular FAME measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely. The automatically generated transformer short circuit and the shock-proof design ensure the highest degree of safety during measurement. In addition to the advantages described in the introduction, the system is characterized by the following:

– The test blocks can be used universally for voltage transducers and current transformers
– The integrated, robust switch contact is designed for the most stringent demands, and the use of high-grade materials guarantees the transmission of signal currents, even after multiple actuations
– The robustly designed test plug guarantees user-friendly handling and provides fixing options for the test leads to be connected
– Space-saving design, with a pitch of just 8.2 mm and a 10 mm² screw connection
– FAME 6/…BI test blocks are available for standard panel cutouts
– The dummy plug serves as a protective cover for the test block when the power plug is unplugged
– Adapter for mounting on NS 35... DIN rail

See www.phoenixcontact.net/products

Notes:
For further plug-in bridges, test adapters, test sockets, and plugs for use with screw test sockets, see www.phoenixcontact.net/products.
Derating curve on request.
To create panel cutouts, see www.phoenixcontact.net/products.
1) Rated surge voltage: 4 kV.

N



6 (10) mm², 30 A, measuring transducer block base, 7-pos.

Technical data

Max. electrical data				
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
30	**400[1])**	**0.2 - 10**	**24 - 8**	
Rated data	IEC 60947-7-1			
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400[1])	-	-	-
Nominal current / cross section [A] / [mm²]	24 / 6	- / -	-	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	24 - 8	-	-	-
Connection capacity	solid	stranded	Ferrule	
			Without / with plastic sleeve	
1 conductor [mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
Two conductors (of the same type) [mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 2.5
General data				
Stripping length [mm]	10			
Screw thread	M4			
Tightening torque [Nm]	1.5 - 1.8			
Tightening torque for wall fastening [Nm]	0.8 - 1			
Panel thickness [mm]	1 - 4			
Tightening torque: test socket screw [Nm]	-			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Measuring transducer block		gray	**UTWE 6/6+1 BI**		**3069996**	5
Power plug		gray				
Test plug		gray				
Dummy plug		orange				

Accessories

Plug-in bridge						
	2	red	**FBS 2-8**	24 A	**3030284**	10
	3	red	**FBS 3-8**	24 A	**3030297**	10
	4	red	**FBS 4-8**	24 A	**3030307**	10
	5	red	**FBS 5-8**	24 A	**3030310**	10
	6	red	**FBS 6-8**	24 A	**3032470**	10
	10	red	**FBS 10-8**	24 A	**3030323**	10
Pre-assembled bridge, labeled						
3-pos., positions 1, 3	2	red	**FBS 1/3-8**	24 A	**3032363**	10
4-pos., positions 1, 4	2	red	**FBS 1/4-8**	24 A	**3032376**	10
5-pos., positions 1, 3, 5	3	red	**FBS 1/3/5-8**	24 A	**3032389**	10
10-pos. positions 1, 4, 7, 10	4	red	**FBS 1/4/7/10-8**	24 A	**3032402**	10
Plug-in bridge, with extraction tool						
	2	red				
	3	red				
	4	red				
Test adapter, for 4-mm-Ø safety test plug, snapped into bridge shaft		orange	**PAI-4-FIX OG**		**3034455**	10
Female test plug, insulated		transparent				
		red				
		green				
		yellow				
		black				
Fork-type cable lug, non-isolated DIN 46234		silver				
Screwdriver			**SF-SL 0,8X4,0-100**		**1212551**	10
Lateral groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**			

N



30 A, power plug, 7-pos.

N



24 A, test plug, 7-pos., including two test sockets per position

N



Dummy plug, 7-pos.

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**400[1])**	**-**	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[1])	-	-	-
24 / 6	- / -	-	-
6	-	-	-
-	-	-	-

solid	stranded	Ferrule	Without / with plastic sleeve
-	-	-	-
-	-	-	-

-	
-	
-	
-	
-	
-	
PA	
V0	

Ordering data

Type	Order No.	Pcs. / Pkt.
FWP 6+1	**3069284**	5

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**400[1])**	**0.5 - 2.5**	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[1])	-	-	-
24 / 2.5	- / -	-	-
-	-	-	-
-	-	-	-

solid	stranded	Ferrule	Without / with plastic sleeve
-	0.5 - 2.5	-	-
-	-	-	-

-	
-	
-	
-	
-	
-	
0.5 - 0.6	
PA	
V0	

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
FTP 6+1		**3069239**	1

Accessories

FBS 2-8	24 A	**3030284**	10
FBS 3-8	24 A	**3030297**	10
FBS 4-8	24 A	**3030307**	10
FBS 5-8	24 A	**3030310**	10
FBS 6-8	24 A	**3032470**	10
FBS 10-8	24 A	**3030323**	10
FBS 1/3-8	24 A	**3032363**	10
FBS 1/4-8	24 A	**3032376**	10
FBS 1/3/5-8	24 A	**3032389**	10
FBS 1/4/7/10-8	24 A	**3032402**	10
FBSRH 2-8	24 A	**3033802**	10
FBSRH 3-8	24 A	**3033803**	10
FBSRH 4-8	24 A	**3033804**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 RD		**3026719**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 BK		**3026447**	10
C-FC 1,5/M3		**3240137**	100

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

max. Ø [mm²]	AWG
-	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
-	-	-	-
-	-	-	-

solid	stranded	Ferrule	Without / with plastic sleeve
-	-	-	-
-	-	-	-

-	
-	
-	
-	
-	
-	
-	
PA	
V0	

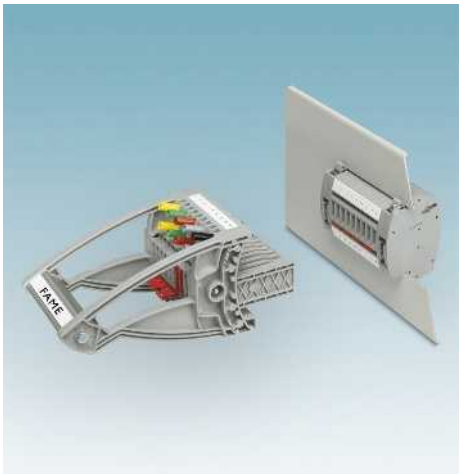
Ordering data

Type	Order No.	Pcs. / Pkt.
FBP 6+1	**3069406**	5

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

UTWE 6/8+1 measuring transducer block, 9-pos. with plug



The modular FAME measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely. The automatically generated transformer short circuit and the shock-proof design ensure the highest degree of safety during measurement. In addition to the advantages described in the introduction, the system is characterized by the following:

– The test blocks can be used universally for voltage transducers and current transformers
– The integrated, robust switch contact is designed for the most stringent demands, and the use of high-grade materials guarantees the transmission of signal currents, even after multiple actuations
– The robustly designed test plug guarantees user-friendly handling and provides fixing options for the test leads to be connected
– Space-saving design, with a pitch of just 8.2 mm and a 10 mm² screw connection
– FAME 6/…BI test blocks are available for standard panel cutouts
– The dummy plug serves as a protective cover for the test block when the power plug is unplugged
– Adapter for mounting on NS 35... DIN rail

See www.phoenixcontact.net/products

Notes:
For further plug-in bridges, test adapters, test sockets, and plugs for use with screw test sockets, see www.phoenixcontact.net/products.
Derating curve on request.
To create panel cutouts, see www.phoenixcontact.net/products.
1) Rated surge voltage: 4 kV.

N



6 (10) mm², 30 A, measuring transducer block base, 9-pos.

Technical data

Max. electrical data				
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
30	**400[1])**	**0.2 - 10**	**24 - 8**	
Rated data	IEC 60947-7-1			
	IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400[1])	-	-	-
Nominal current / cross section [A] / [mm²]	24 / 6	- / -	-	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	24 - 8	-	-	-
Connection capacity	solid	stranded	Ferrule	
			Without / with plastic sleeve	
1 conductor [mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
Two conductors (of the same type) [mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 2.5
General data				
Stripping length [mm]	10			
Screw thread	M4			
Tightening torque [Nm]	1.5 - 1.8			
Tightening torque for wall fastening [Nm]	0.8 - 1			
Panel thickness [mm]	1 - 4			
Tightening torque: test socket screw [Nm]	-			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Measuring transducer block		gray	**UTWE 6/8+1**		**3069064**	5
Power plug		gray				
Test plug		gray				
Dummy plug		orange				

Accessories

Plug-in bridge						
	2	red	**FBS 2-8**	24 A	**3030284**	10
	3	red	**FBS 3-8**	24 A	**3030297**	10
	4	red	**FBS 4-8**	24 A	**3030307**	10
	5	red	**FBS 5-8**	24 A	**3030310**	10
	6	red	**FBS 6-8**	24 A	**3032470**	10
	10	red	**FBS 10-8**	24 A	**3030323**	10
Pre-assembled bridge, labeled						
3-pos., positions 1, 3	2	red	**FBS 1/3-8**	24 A	**3032363**	10
4-pos., positions 1, 4	2	red	**FBS 1/4-8**	24 A	**3032376**	10
5-pos., positions 1, 3, 5	3	red	**FBS 1/3/5-8**	24 A	**3032389**	10
10-pos. positions 1, 4, 7, 10	4	red	**FBS 1/4/7/10-8**	24 A	**3032402**	10
Plug-in bridge, with extraction tool						
	2	red				
	3	red				
	4	red				
Test adapter, for 4-mm-Ø safety test plug, snapped into bridge shaft		orange	**PAI-4-FIX OG**		**3034455**	10
Female test plug, insulated		transparent				
		red				
		green				
		yellow				
		black				
Fork-type cable lug, non-isolated DIN 46234		silver				
Screwdriver			**SF-SL 0,8X4,0-100**		**1212551**	10
Lateral groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**			

N



30 A, power plug, 9-pos.

N



24 A, test plug, 9-pos., including two test sockets per position

N



Dummy plug, 9-pos.

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**400[1])**	**-**	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[1])	-	-	-
24 / 6	- / -	-	-
6	-	-	-
-	-	-	-

solid	stranded	Ferrule Without / with plastic sleeve	
-	-	-	-
-	-	-	-

-
-
-
-
-
-
PA
V0

Ordering data

Type	Order No.	Pcs. / Pkt.
FWP 8+1	**3069297**	5

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**400[1])**	**0.5 - 2.5**	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[1])	-	-	-
24 / 2.5	- / -	-	-
-	-	-	-
-	-	-	-

solid	stranded	Ferrule Without / with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-

-
-
-
-
-
-
0.5 - 0.6
PA
V0

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
FTP 8+1		**3069242**	1

Accessories

FBS 2-8	24 A	**3030284**	10
FBS 3-8	24 A	**3030297**	10
FBS 4-8	24 A	**3030307**	10
FBS 5-8	24 A	**3030310**	10
FBS 6-8	24 A	**3032470**	10
FBS 10-8	24 A	**3030323**	10
FBS 1/3-8	24 A	**3032363**	10
FBS 1/4-8	24 A	**3032376**	10
FBS 1/3/5-8	24 A	**3032389**	10
FBS 1/4/7/10-8	24 A	**3032402**	10
FBSRH 2-8	24 A	**3033802**	10
FBSRH 3-8	24 A	**3033803**	10
FBSRH 4-8	24 A	**3033804**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 RD		**3026719**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 BK		**3026447**	10
C-FC 1,5/M3		**3240137**	100

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

max. Ø [mm²]	AWG
-	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
-	-	-	-
-	-	-	-

solid	stranded	Ferrule Without / with plastic sleeve	
-	-	-	-
-	-	-	-

-
-
-
-
-
-
-
PA
V0

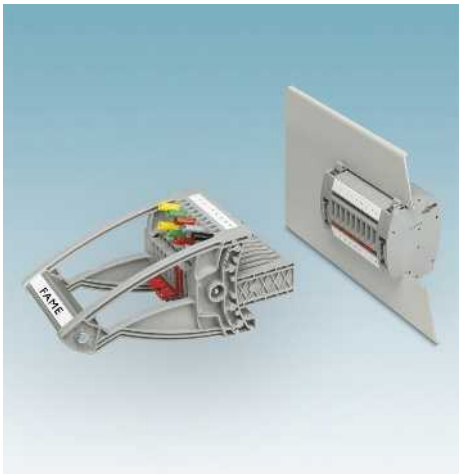
Ordering data

Type	Order No.	Pcs. / Pkt.
FBP 8+1	**3069407**	5

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

UTWE 6/12+1 measuring transducer block, 13-pos. with plug



The modular FAME measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely. The automatically generated transformer short circuit and the shock-proof design ensure the highest degree of safety during measurement. In addition to the advantages described in the introduction, the system is characterized by the following:

– The test blocks can be used universally for voltage transducers and current transformers
– The integrated, robust switch contact is designed for the most stringent demands, and the use of high-grade materials guarantees the transmission of signal currents, even after multiple actuations
– The robustly designed test plug guarantees user-friendly handling and provides fixing options for the test leads to be connected
– Space-saving design, with a pitch of just 8.2 mm and a 10 mm² screw connection
– FAME 6/…BI test blocks are available for standard panel cutouts
– The dummy plug serves as a protective cover for the test block when the power plug is unplugged
– Adapter for mounting on NS 35... DIN rail

See www.phoenixcontact.net/products

Notes:
For further plug-in bridges, test adapters, test sockets, and plugs for use with screw test sockets, see www.phoenixcontact.net/products.
Derating curve on request.
To create panel cutouts, see www.phoenixcontact.net/products.
1) Rated surge voltage: 4 kV.

N



6 (10) mm², 30 A, measuring transducer block base, 13-pos.

Technical data

Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
	30	**400[1])**	**0.2 - 10**	**24 - 8**
Rated data	IEC 60947-7-1 IEC	UL/CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400[1])	-	-	-
Nominal current / cross section [A] / [mm²]	24 / 6	- / -	-	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	24 - 8	-	-	-
Connection capacity	solid	stranded	Ferrule	
			Without / with plastic sleeve	
1 conductor [mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
Two conductors (of the same type) [mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
Two stranded conductors with a TWIN ferrule [mm²]				0.5 - 2.5
General data				
Stripping length [mm]	10			
Screw thread	M4			
Tightening torque [Nm]	1.5 - 1.8			
Tightening torque for wall fastening [Nm]	0.8 - 1			
Panel thickness [mm]	1 - 4			
Tightening torque: test socket screw [Nm]	-			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs. / Pkt.
Measuring transducer block		gray	**UTWE 6/12+1**		**3069077**	5
Power plug		gray				
Test plug		gray				
Dummy plug		orange				

Accessories

Plug-in bridge						
	2	red	**FBS 2-8**	24 A	**3030284**	10
	3	red	**FBS 3-8**	24 A	**3030297**	10
	4	red	**FBS 4-8**	24 A	**3030307**	10
	5	red	**FBS 5-8**	24 A	**3030310**	10
	6	red	**FBS 6-8**	24 A	**3032470**	10
	10	red	**FBS 10-8**	24 A	**3030323**	10
Pre-assembled bridge, labeled						
3-pos., positions 1, 3	2	red	**FBS 1/3-8**	24 A	**3032363**	10
4-pos., positions 1, 4	2	red	**FBS 1/4-8**	24 A	**3032376**	10
5-pos., positions 1, 3, 5	3	red	**FBS 1/3/5-8**	24 A	**3032389**	10
10-pos. positions 1, 4, 7, 10	4	red	**FBS 1/4/7/10-8**	24 A	**3032402**	10
Plug-in bridge, with extraction tool						
	2	red				
	3	red				
	4	red				
Test adapter, for 4-mm-Ø safety test plug, snapped into bridge shaft		orange	**PAI-4-FIX OG**		**3034455**	10
Female test plug, insulated		transparent				
		red				
		green				
		yellow				
		black				
Fork-type cable lug, non-isolated DIN 46234		silver				
Screwdriver			**SF-SL 0,8X4,0-100**		**1212551**	10
Lateral groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**			

N



30 A, power plug, 13-pos.

N



24 A, test plug, 13-pos., including two test sockets per position

N



Dummy plug, 13-pos.

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
30	**400[1])**	**-**	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[1])	-	-	-
24 / 6	- / -	-	-
6	-	-	-
-	-	-	-

solid	stranded	Ferrule	Without / with plastic sleeve
-	-	-	-
-	-	-	-

-	
-	
-	
-	
-	
-	
PA	
V0	

Ordering data

Type	Order No.	Pcs. / Pkt.
FWP 12+1	**3069307**	5

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
24	**400[1])**	**0.5 - 2.5**	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
400[1])	-	-	-
24 / 2.5	- / -	-	-
-	-	-	-
-	-	-	-

solid	stranded	Ferrule	Without / with plastic sleeve
-	0.5 - 2.5	-	-
-	-	-	-

-	
-	
-	
-	
-	
-	
0.5 - 0.6	
PA	
V0	

Ordering data

Type	I_{max}	Order No.	Pcs. / Pkt.
FTP 12+1		**3069255**	1

Accessories

FBS 2-8	24 A	**3030284**	10
FBS 3-8	24 A	**3030297**	10
FBS 4-8	24 A	**3030307**	10
FBS 5-8	24 A	**3030310**	10
FBS 6-8	24 A	**3032470**	10
FBS 10-8	24 A	**3030323**	10
FBS 1/3-8	24 A	**3032363**	10
FBS 1/4-8	24 A	**3032376**	10
FBS 1/3/5-8	24 A	**3032389**	10
FBS 1/4/7/10-8	24 A	**3032402**	10
FBSRH 2-8	24 A	**3033802**	10
FBSRH 3-8	24 A	**3033803**	10
FBSRH 4-8	24 A	**3033804**	10
PSBJ-URTK 6 FARBLOS		**3026450**	10
PSBJ-URTK 6 RD		**3026719**	10
PSBJ-URTK 6 GN		**3026418**	10
PSBJ-URTK 6 YE		**3026405**	10
PSBJ-URTK 6 BK		**3026447**	10
C-FC 1,5/M3		**3240137**	100

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

Technical data

max. Ø [mm²]	AWG
-	**-**

IEC	UL/CUL	CSA	IEC/ EN 60079-7
-	-	-	-
-	- / -	-	-
-	-	-	-
-	-	-	-

solid	stranded	Ferrule	Without / with plastic sleeve
-	-	-	-
-	-	-	-

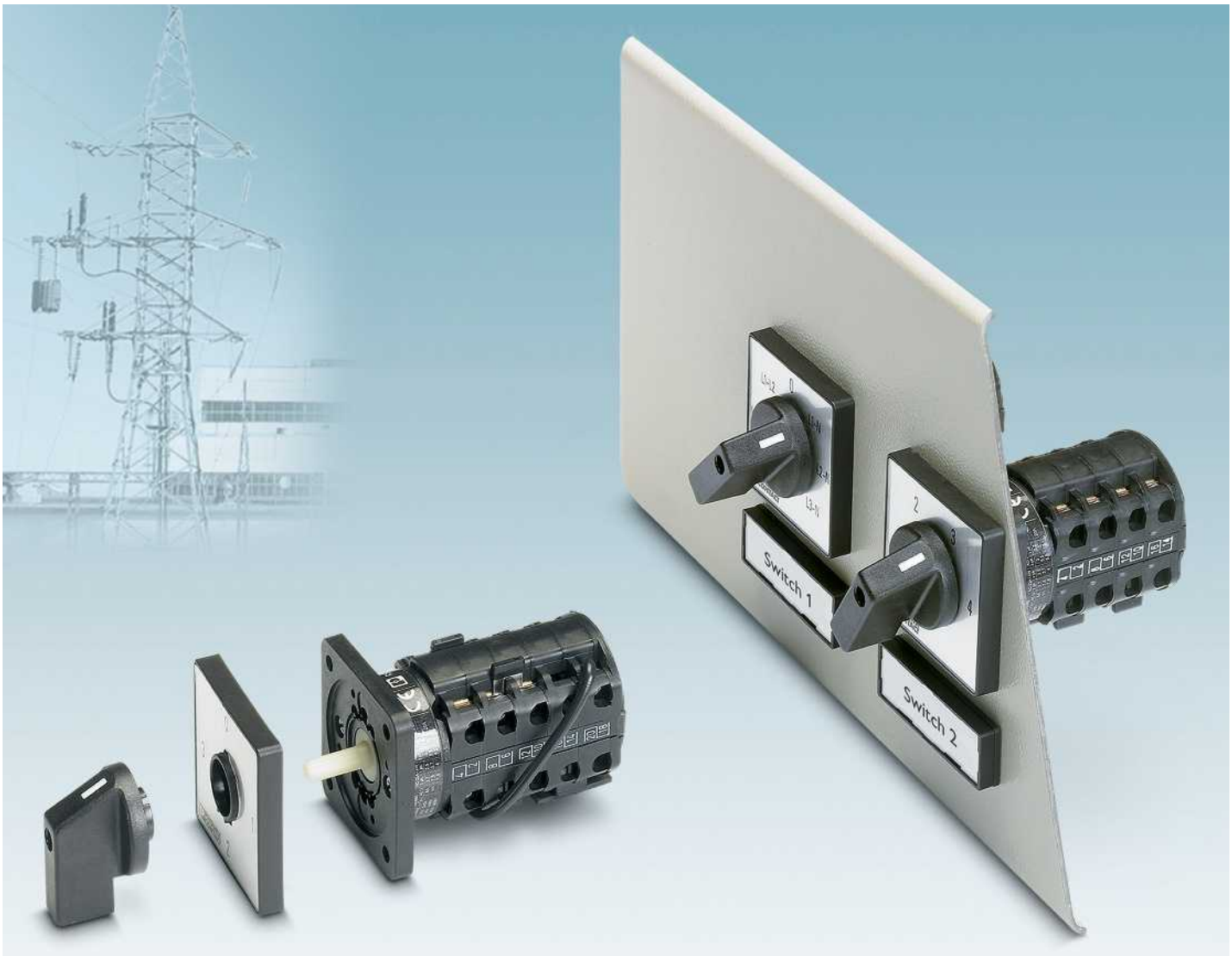
-	
-	
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PA	
V0	

Ordering data

Type	Order No.	Pcs. / Pkt.
FBP 12+1	**3069408**	5

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)





Compact design

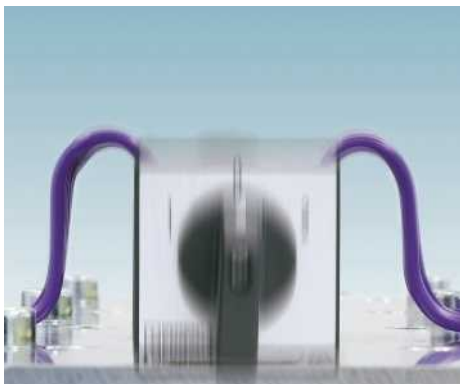
Thanks to their compact design and the direction of the conductor connection, the rotary switches are ideally suited to switchgear, in which space is limited.



Universal and zero-maintenance

The main features of the 2.5 mm² screw connection are:

– Plus/minus screw drive
– Captive screw and safe screwdriver guidance
– Open in the delivery state
– Connection of conductors with and without ferrule or fork-type cable lug



Shock and vibration resistant

The rotary switches have been shock and vibration-tested and are suitable for applications which involve extreme vibrations.

N

Voltmeter changeover switch with 0 position



The range of compact rotary switches up to 20 A has been designed for the switch programs available for application in energy technology. The use of high-quality materials results in a long mechanical and electrical service life. The constructive design of the rotary switches affords a high level of safety: non-live parts are made of plastic, meaning that voltage cannot be transmitted to the control cabinet panel, for example.

– Comprehensive approvals permit international use. The rotary switches are free from cadmium and compliant with the RoHS directive.
– The terminal points have been designed in such a way that they feature shock protection in accordance with BGV A2. All clamping screws are enclosed within the housing, which means that it is not possible to come into contact with live parts.
– The rotary switches are attached by means of a robust four-hole attachment. The handle connection can be operated from the front, making it easy to install.
– Marker carriers with corresponding snap-in labels for individual printing are available to ensure clear identification of the rotary switches.



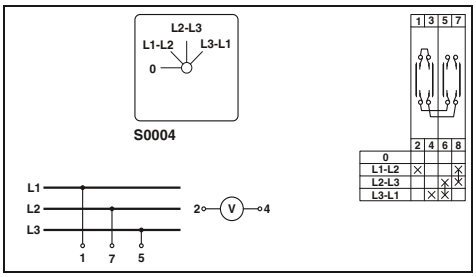
Notes:

For corresponding marker carriers, refer to Catalog 5.

[1]) For electrical values according to IEC 60947-3, see page 689.



2.5 (2.5) mm², 20 A, voltmeter changeover switch with 0 position



Technical data

Dimensions		Width	Length	Installation depth	
	[mm]	**48**	**72**	**43**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		20	**690**	**0.5 - 2.5**	**18 - 14**
Rated data		IEC	UL/CUL	CSA	
Rated insulation voltage	[V]	690[1])	-	-	
Rated continuous current	[A]	20	-	-	
Cross section range	AWG	20 - 14	-	-	
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
Two conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
Operating current, switching capacity					
		See page 689.			
Breaking capacity					
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
Immunity to short circuiting					
Max. backup fuse gL/gG characteristics	[A]	25			
Rated short-time current resistance (1 s current)	[A]	140			
General data					
Stripping length	[mm]	8			
Tightening torque	[Nm]	0.7 - 0.8			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Voltmeter changeover switch with 0 position, three linked voltages, 0 - L1-L2 - L2-L3 - L3-L1	silver/black	**RS20-US-S0004-0204-014H-001**	**3069700**	1

Accessories

Screwdriver		
SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Voltmeter changeover switch, ammeter changeover switch, control switch

Notes:
For corresponding marker carriers, refer to Catalog 5.
[1]) For electrical values according to IEC 60947-3, see page 689.

N

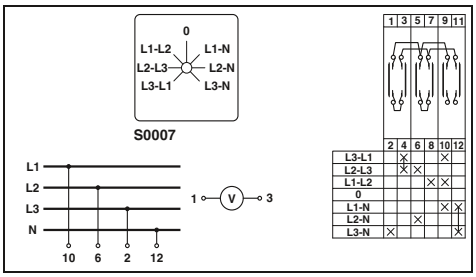


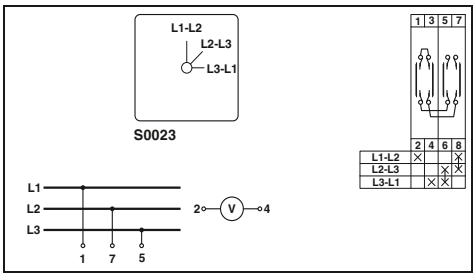
2.5 (2.5) mm², 20 A, voltmeter changeover switch with 0 position

N



2.5 (2.5) mm², 20 A, voltmeter changeover switch without 0 position





Technical data

Dimensions		Width	Length	Installation depth	
	[mm]	**48**	**81.5**	**52.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		20	**690**	**0.5 - 2.5**	**18 - 14**
Rated data		IEC	UL/CUL	CSA	
Rated insulation voltage	[V]	690[1])	-	-	
Rated continuous current	[A]	20	-	-	
Cross section range	AWG	20 - 14	-	-	
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
Two conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
Operating current, switching capacity					
		See page 689.			
Breaking capacity					
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
Immunity to short circuiting					
Max. backup fuse gL/gG characteristics	[A]	25			
Rated short-time current resistance (1 s current)	[A]	140			
General data					
Stripping length	[mm]	8			
Tightening torque	[Nm]	0.7 - 0.8			

Technical data

		Width	Length	Installation depth	
	[mm]	**48**	**72**	**43**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		20	**690**	**0.5 - 2.5**	**18 - 14**
		IEC	UL/CUL	CSA	
		690[1])	-	-	
		20	-	-	
		20 - 14	-	-	
		solid	stranded	Ferrule Without / with plastic sleeve	
		0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
		0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
		See page 689.			
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
		25			
		140			
		8			
		0.7 - 0.8			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Voltmeter changeover switch with 0 position, three linked voltages and three phases to N, L3-L1 - L2-L3 - L1-L2 - 0 - L1-N - L2-N - L3-N	silver/black	**RS20-US-S0007-0307-014H-001**	**3069701**	1
Voltmeter changeover switch without 0 position, three linked voltages, L1-L2 - L2-L3 - L3-L1	silver/black			
Ammeter changeover switch, three transformer circuits with 0 position, 0 - 1 - 2 - 3	silver/black			
Ammeter changeover switch, all-round switching three transformer circuits with 0 position, 0 - 1 - 2 - 3	silver/black			
Control switch, STOP > < START, withdrawal	silver/black			

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0023-0203-014H-001	**3069702**	1

Accessories

Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

N



2.5 (2.5) mm², 20 A, ammeter changeover switch

N

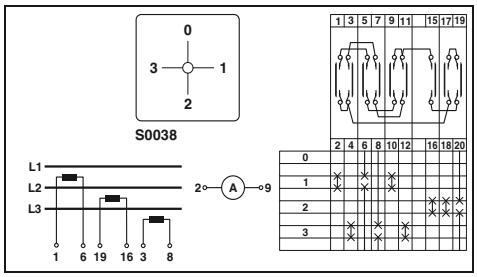


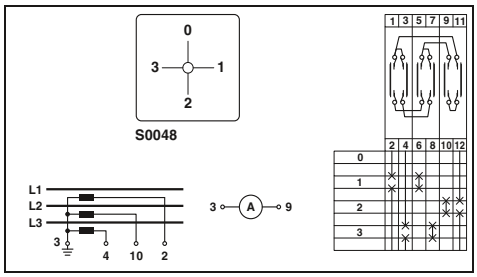
2.5 (2.5) mm², 20 A, ammeter changeover switch

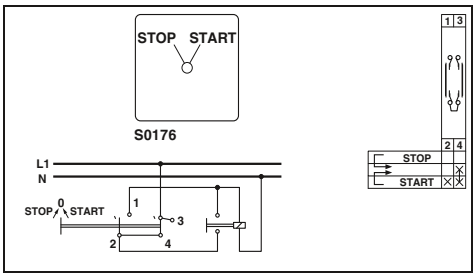
N



2.5 (2.5) mm², 20 A, control switch







Technical data

Width	Length	Installation depth	
48	**100.5**	**71.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**
IEC	UL/CUL	CSA	
690[1])	-	-	
20	-	-	
20 - 14	-	-	
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-

See page 689.

150 A (220 - 240 V)
150 A (380 - 440 V)
80 A (660 - 690 V)

25
140

8
0.7 - 0.8

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0038-0504-014H-001	**3069703**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Technical data

Width	Length	Installation depth	
48	**81.5**	**52.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**
IEC	UL/CUL	CSA	
690[1])	-	-	
20	-	-	
20 - 14	-	-	
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-

See page 689.

150 A (220 - 240 V)
150 A (380 - 440 V)
80 A (660 - 690 V)

25
140

8
0.7 - 0.8

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0048-0304-014H-001	**3069704**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Technical data

Width	Length	Installation depth	
48	**62.5**	**33.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**
IEC	UL/CUL	CSA	
690[1])	-	-	
20	-	-	
20 - 14	-	-	
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-

See page 689.

150 A (220 - 240 V)
150 A (380 - 440 V)
80 A (660 - 690 V)

25
140

8
0.7 - 0.8

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0176-0102-014H-001	**3069705**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Control switch, off switch

N

N

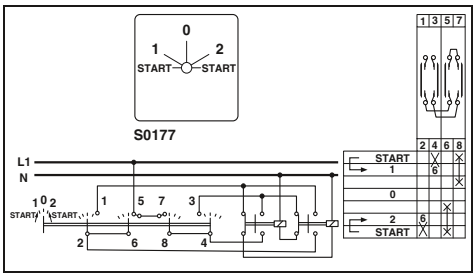
Notes:
For corresponding marker carriers, refer to Catalog 5.
[1]) For electrical values according to IEC 60947-3, see page 689.

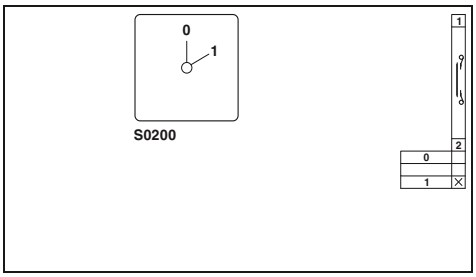


2.5 (2.5) mm², 20 A, control switch



2.5 (2.5) mm², 20 A, off switch





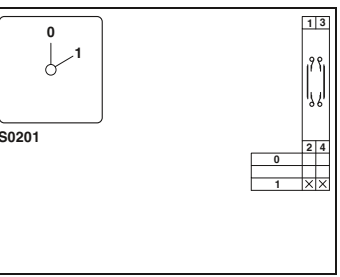
		Technical data				Technical data			
Dimensions		Width	Length	Installation depth		Width	Length	Installation depth	
	[mm]	**48**	**72**	**43**		**48**	**62.5**	**33.5**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		20	**690**	**0.5 - 2.5**	**18 - 14**	**20**	**690**	**0.5 - 2.5**	**18 - 14**
Rated data		IEC	UL/CUL	CSA		IEC	UL/CUL	CSA	
Rated insulation voltage	[V]	690[1])	-	-		690[1])	-	-	
Rated continuous current	[A]	20	-	-		20	-	-	
Cross section range	AWG	20 - 14	-	-		20 - 14	-	-	
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
Two conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
Operating current, switching capacity									
		See page 689.				See page 689.			
Breaking capacity									
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)				150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
Immunity to short circuiting									
Max. backup fuse gL/gG characteristics	[A]	25				25			
Rated short-time current resistance (1 s current)	[A]	140				140			
General data									
Stripping length	[mm]	8				8			
Tightening torque	[Nm]	0.7 - 0.8				0.7 - 0.8			

		Ordering data			Ordering data		
Description	Color	**Type**	**Order No.**	Pcs. / Pkt.	**Type**	**Order No.**	Pcs. / Pkt.
Control switch, Double on/off button with snap-in operating positions (rotary switch), START > 1 - 0 - 2 < START	silver/black	**RS20-US-S0177-0205-014H-001**	**3069726**	1			
Off switch, 0 - 1	silver/black				**RS20-US-S0200-0102-014H-001**	**3069706**	1
		Accessories			**Accessories**		
Screwdriver		**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10

N



2.5 (2.5) mm², 20 A, off switch



Technical data

Width	Length	Installation depth	
48	**62.5**	**33.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**

IEC	UL/CUL	CSA	
690[1])	-	-	
20	-	-	
20 - 14	-	-	
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-

See page 689.

150 A (220 - 240 V)
150 A (380 - 440 V)
80 A (660 - 690 V)

25
140

8
0.7 - 0.8

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0201-0102-014H-001	**3069707**	1

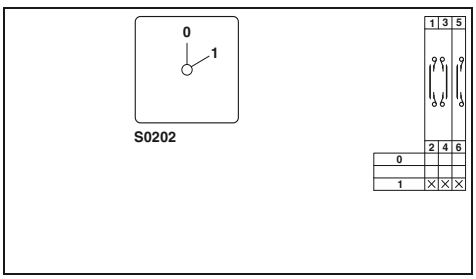
Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

N



2.5 (2.5) mm², 20 A, off switch



Technical data

Width	Length	Installation depth	
48	**72**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**

IEC	UL/CUL	CSA	
690[1])	-	-	
20	-	-	
20 - 14	-	-	
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-

See page 689.

150 A (220 - 240 V)
150 A (380 - 440 V)
80 A (660 - 690 V)

25
140

8
0.7 - 0.8

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0202-0202-014H-001	**3069708**	1

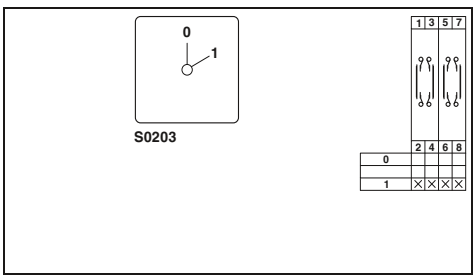
Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

N



2.5 (2.5) mm², 20 A, off switch



Technical data

Width	Length	Installation depth	
48	**72**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**

IEC	UL/CUL	CSA	
690[1])	-	-	
20	-	-	
20 - 14	-	-	
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-

See page 689.

150 A (220 - 240 V)
150 A (380 - 440 V)
80 A (660 - 690 V)

25
140

8
0.7 - 0.8

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0203-0202-014H-001	**3069709**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Changeover switch with 0 position

N

N

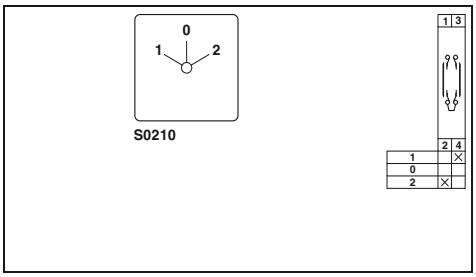
Notes:
For corresponding marker carriers, refer to Catalog 5.
[1]) For electrical values according to IEC 60947-3, see page 689.

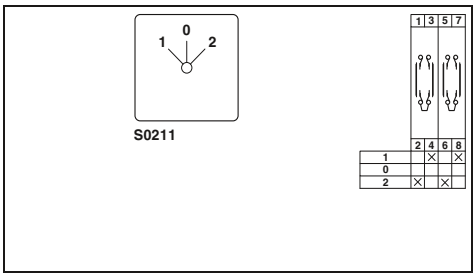


2.5 (2.5) mm², 20 A, changeover switch with 0 position



2.5 (2.5) mm², 20 A, changeover switch with 0 position





Technical data

Dimensions		Width	Length	Installation depth		
	[mm]	**48**	**62.5**	**33.5**		
Max. electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG	
		20		**0.5 - 2.5**	**18 - 14**	
Rated data		IEC	UL/CUL	CSA		
Rated insulation voltage	[V]	690[1])	-	-		
Rated continuous current	[A]	-	-	-		
Cross section range	AWG	20 - 14	-	-		
Connection capacity		solid	stranded	Ferrule		
				Without / with plastic sleeve		
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5	
Two conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-	
Operating current, switching capacity						
		See page 689.				
Breaking capacity						
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)				
Immunity to short circuiting						
Max. backup fuse gL/gG characteristics	[A]	25				
Rated short-time current resistance (1 s current)	[A]	140				
General data						
Stripping length	[mm]	8				
Tightening torque	[Nm]	0.7 - 0.8				

Technical data

Dimensions		Width	Length	Installation depth		
	[mm]	**48**	**72**	**43**		
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
		20	**690**	**0.5 - 2.5**	**18 - 14**	
Rated data		IEC	UL/CUL	CSA		
Rated insulation voltage	[V]	690[1])	-	-		
Rated continuous current	[A]	-	-	-		
Cross section range	AWG	20 - 14	-	-		
Connection capacity		solid	stranded	Ferrule		
				Without / with plastic sleeve		
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5	
Two conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-	
Operating current, switching capacity						
		See page 689.				
Breaking capacity						
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)				
Immunity to short circuiting						
Max. backup fuse gL/gG characteristics	[A]	25				
Rated short-time current resistance (1 s current)	[A]	140				
General data						
Stripping length	[mm]	8				
Tightening torque	[Nm]	0.7 - 0.8				

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Changeover switch with 0 position, 1 - 0 - 2	silver/black	**RS20-US-S0210-0103-014H-001**	**3069710**	1
Changeover switch with 0 position, 1 > 0 < 2 with withdrawal on both sides	silver/black			

Accessories

Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0211-0203-014H-001	**3069711**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

N



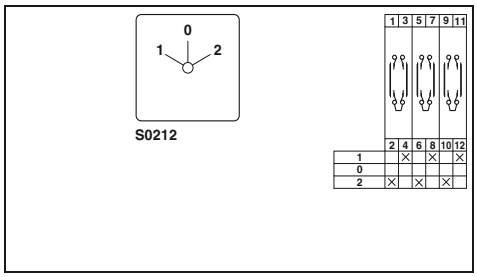
2.5 (2.5) mm², 20 A, changeover switch with 0 position

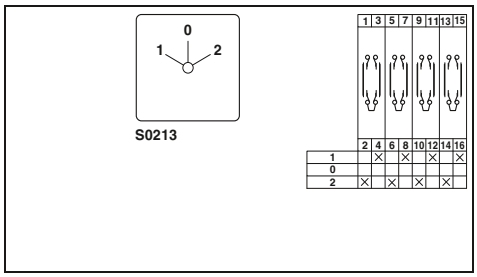


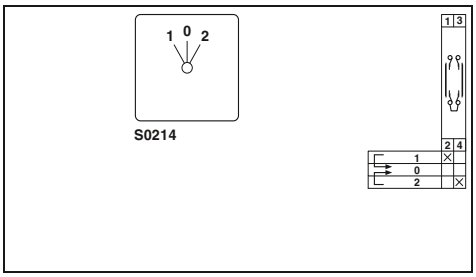
2.5 (2.5) mm², 20 A, changeover switch with 0 position



2.5 (2.5) mm², 20 A, changeover switch with 0 position







Technical data

Width	Length	Installation depth	
48	**82.5**	**52.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**
IEC	UL/CUL	CSA	
690[1])	-	-	
-	-	-	
20 - 14	-	-	
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 689.			
150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
25 140			
8 0.7 - 0.8			

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0212-0303-014H-001	**3069712**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Technical data

Width	Length	Installation depth	
48	**91**	**62**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**
IEC	UL/CUL	CSA	
690[1])	-	-	
-	-	-	
20 - 14	-	-	
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 689.			
150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
25 140			
8 0.7 - 0.8			

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0213-0403-014H-001	**3069713**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Technical data

Width	Length	Installation depth	
48	**62.5**	**33.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**
IEC	UL/CUL	CSA	
690[1])	-	-	
-	-	-	
20 - 14	-	-	
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 689.			
150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
25 140			
8 0.7 - 0.8			

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0214-0103-014H-001	**3069723**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Changeover switch with and without 0 position

N

N

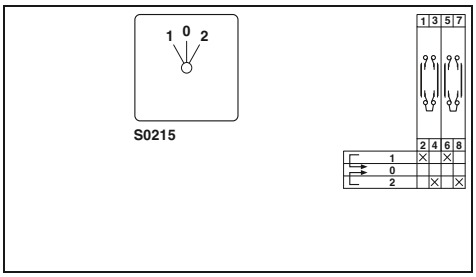
Notes:
For corresponding marker carriers, refer to Catalog 5.
[1]) For electrical values according to IEC 60947-3, see page 689.

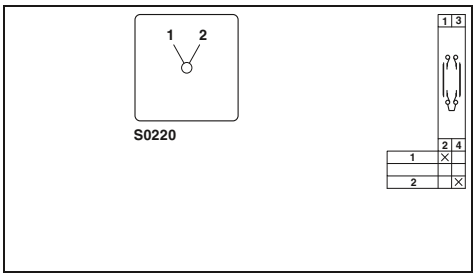


2.5 (2.5) mm², 20 A, changeover switch with 0 position



2.5 (2.5) mm², 20 A, changeover switch without 0 position





Technical data

Dimensions		Width	Length	Installation depth		
	[mm]	**48**	**72**	**43**		
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
		20	**690[1])**	**0.5 - 2.5**	**18 - 14**	
Rated data		IEC	UL/CUL	CSA		
Rated insulation voltage	[V]	690[1])	-	-		
Rated continuous current	[A]	20	-	-		
Cross section range	AWG	20 - 14	-	-		
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve		
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5	
Two conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-	
Operating current, switching capacity						
		See page 689.				
Breaking capacity						
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)				
Immunity to short circuiting						
Max. backup fuse gL/gG characteristics	[A]	25				
Rated short-time current resistance (1 s current)	[A]	140				
General data						
Stripping length	[mm]	8				
Tightening torque	[Nm]	0.7 - 0.8				

Technical data

		Width	Length	Installation depth		
	[mm]	**48**	**62.5**	**33.5**		
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
		20	**690[1])**	**0.5 - 2.5**	**18 - 14**	
		IEC	UL/CUL	CSA		
		690[1])	-	-		
		20	-	-		
		20 - 14	-	-		
		solid	stranded	Ferrule Without / with plastic sleeve		
		0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5	
		0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-	
		See page 689.				
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)				
		25				
		140				
		8				
		0.7 - 0.8				

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Changeover switch with 0 position, 1 > 0 < 2 with withdrawal on both sides	silver/black	**RS20-US-S0215-0203-014H-001**	**3069724**	1
Changeover switch without 0 position, 1 - 2	silver/black			
Changeover switch without 0 position, with electrically isolated contacts 1 - 2 symmetrical	silver/black			

Accessories

Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0220-0102-014H-001	**3069714**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

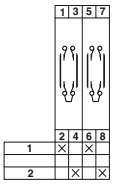
N



2.5 (2.5) mm², 20 A, changeover switch without 0 position



S0221



Technical data

Width	Length	Installation depth	
48	**72**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**690[1])**	**0.5 - 2.5**	**18 - 14**

IEC	UL/CUL	CSA	
690[1])	-	-	
20	-	-	
20 - 14	-	-	
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-

See page 689.

150 A (220 - 240 V)
150 A (380 - 440 V)
80 A (660 - 690 V)

25
140

8
0.7 - 0.8

Ordering data

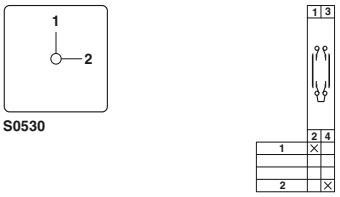
Type	Order No.	Pcs. / Pkt.
RS20-US-S0221-0202-014H-001	**3069715**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

N

2.5 (2.5) mm², 20 A, changeover switch without 0 position



S0530

Technical data

Width	Length	Installation depth	
48	**62.5**	**33.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**690[1])**	**0.5 - 2.5**	**18 - 14**

IEC	UL/CUL	CSA	
690[1])	-	-	
20	-	-	
20 - 14	-	-	
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-

See page 689.

150 A (220 - 240 V)
150 A (380 - 440 V)
80 A (660 - 690 V)

25
140

8
0.7 - 0.8

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0530-0102-014H-001	**3069725**	1

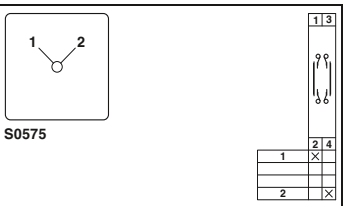
Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

N



2.5 (2.5) mm², 20 A, changeover switch without 0 position, with electrically isolated contacts



S0575

Technical data

Width	Length	Installation depth	
48	**62.5**	**33.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**690[1])**	**0.5 - 2.5**	**18 - 14**

IEC	UL/CUL	CSA	
690[1])	-	-	
20	-	-	
20 - 14	-	-	
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-

See page 689.

150 A (220 - 240 V)
150 A (380 - 440 V)
80 A (660 - 690 V)

25
140

8
0.7 - 0.8

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0575-0102-014H-001	**3069719**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Changeover switch, step switch

N

N

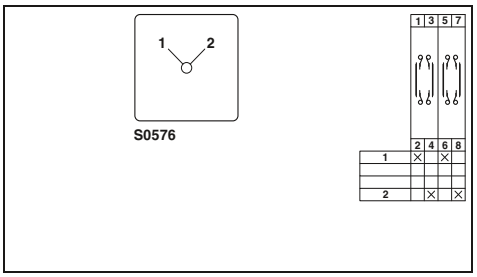
Notes:
For corresponding marker carriers, refer to Catalog 5.
[1]) For electrical values according to IEC 60947-3, see page 689.

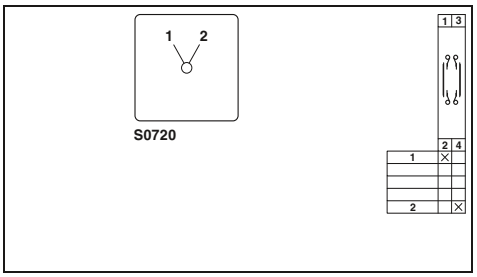


2.5 (2.5) mm², 20 A, changeover switch without 0 position, with electrically isolated contacts



2.5 (2.5) mm², 20 A, changeover switch without 0 position, with electrically isolated contacts





Technical data

Dimensions		Width	Length	Installation depth		
	[mm]	**48**	**72**	**43**		
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
		20	**690**	**0.5 - 2.5**	**18 - 14**	
Rated data		IEC	UL/CUL	CSA		
Rated insulation voltage	[V]	690[1])	-	-		
Rated continuous current	[A]	20	-	-		
Cross section range	AWG	20 - 14	-	-		
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve		
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5	
Two conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-	
Operating current, switching capacity						
		See page 689.				
Breaking capacity						
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)				
Immunity to short circuiting						
Max. backup fuse gL/gG characteristics	[A]	25				
Rated short-time current resistance (1 s current)	[A]	140				
General data						
Stripping length	[mm]	8				
Tightening torque	[Nm]	0.7 - 0.8				

Technical data

Dimensions		Width	Length	Installation depth		
	[mm]	**48**	**62.5**	**33.5**		
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG	
		20	**690**	**0.5 - 2.5**	**18 - 14**	
Rated data		IEC	UL/CUL	CSA		
Rated insulation voltage	[V]	690[1])	-	-		
Rated continuous current	[A]	20	-	-		
Cross section range	AWG	20 - 14	-	-		
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve		
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5	
Two conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-	
Operating current, switching capacity						
		See page 689.				
Breaking capacity						
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)				
Immunity to short circuiting						
Max. backup fuse gL/gG characteristics	[A]	25				
Rated short-time current resistance (1 s current)	[A]	140				
General data						
Stripping length	[mm]	8				
Tightening torque	[Nm]	0.7 - 0.8				

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Changeover switch without 0 position, with electrically isolated contacts 1 - 2 symmetrical	silver/black	**RS20-US-S0576-0202-014H-001**	**3069720**	1
Step switch with 0 position, four steps	silver/black			
Step switch with 0 position, three steps	silver/black			
Step switch without 0 position, three steps	silver/black			

Accessories

Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0720-0102-014H-001	**3069722**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

N



2.5 (2.5) mm², 20 A, step switch with 0 position

N

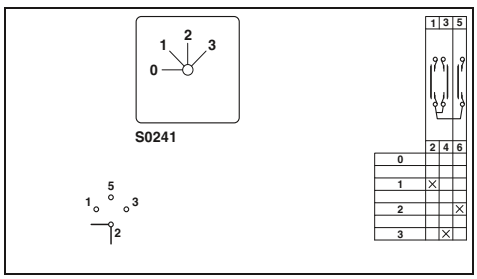


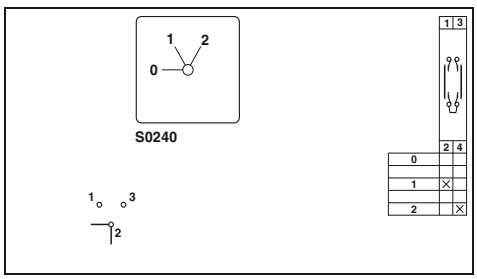
2.5 (2.5) mm², 20 A, step switch with 0 position

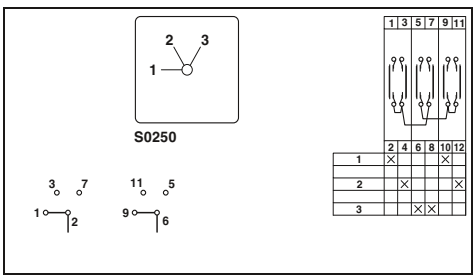
N



2.5 (2.5) mm², 20 A, step switch without 0 position







Technical data

Width	Length	Installation depth	
48	**62.5**	**33.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**
IEC	UL/CUL	CSA	
690[1])	-	-	
20	-	-	
20 - 14	-	-	
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 689.			
150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
25 140			
8 0.7 - 0.8			

Technical data

Width	Length	Installation depth	
48	**72**	**43**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**
IEC	UL/CUL	CSA	
690[1])	-	-	
20	-	-	
20 - 14	-	-	
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 689.			
150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
25 140			
8 0.7 - 0.8			

Technical data

Width	Length	Installation depth	
48	**81.5**	**52.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
20	**690**	**0.5 - 2.5**	**18 - 14**
IEC	UL/CUL	CSA	
690[1])	-	-	
20	-	-	
20 - 14	-	-	
solid	stranded	Ferrule Without / with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 689.			
150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
25 140			
8 0.7 - 0.8			

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0241-0204-014H-001	**3069716**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0240-0103-014H-001	**3069717**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0250-0303-014H-001	**3069718**	1

Accessories

SF-SL 0,6X3,5-100 S-VDE	**1212587**	10

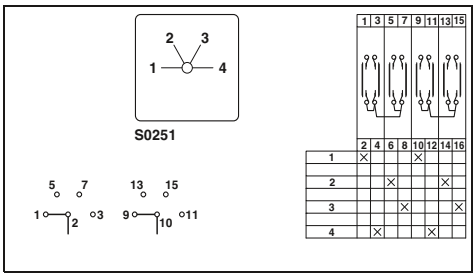
Step switch without 0 position

N

Notes:
For corresponding marker carriers, refer to Catalog 5.
[1]) For electrical values according to IEC 60947-3, see page 689.



2.5 (2.5) mm², 20 A, step switch without 0 position



Technical data

Dimensions		Width	Length	Installation depth	
	[mm]	**48**	**91**	**62**	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG
		20	**690**	**0.5 - 2.5**	**18 - 14**
Rated data		IEC	UL/CUL	CSA	
Rated insulation voltage	[V]	690[1])	-	-	
Rated continuous current	[A]	20	-	-	
Cross section range	AWG	20 - 14	-	-	
Connection capacity		solid	stranded	Ferrule Without / with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
Two conductors (of the same type)	[mm²]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
Operating current, switching capacity					
		See page 689.			
Breaking capacity					
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
Immunity to short circuiting					
Max. backup fuse gL/gG characteristics	[A]	25			
Rated short-time current resistance (1 s current)	[A]	140			
General data					
Stripping length	[mm]	8			
Tightening torque	[Nm]	0.7 - 0.8			

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Step switch without 0 position, four steps	silver/black	**RS20-US-S0251-0404-014H-001**	**3069721**	1

Accessories

Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	**1212587**	10

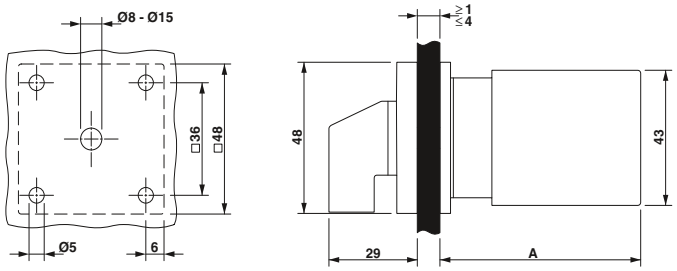
Electrical values according to IEC 60947-3, VDE 0660 Part 107

Rated data				
Rated continuous current I_u/I_{th}				20 A
Rated insulation voltage U_i [1)]				690 V
Rated impulse withstand voltage $U_{imp.}$				6 kV
Rated operating current I_e				
AC-21A	Switching of ohmic loads including small overloads			20 A
AC-22A	Switching of mixed ohmic and inductive loads including small overloads		220 V - 500 V 660 V - 690 V	20 A 20 A
AC-15	Switching of solenoid drives, contactors, valves, pulling electromagnets		220 V - 240 V 380 V - 440 V	5 A 4 A
Switching capacity				
AC-2	Starting of slip ring motors, reversing and plugging, star-delta startup	3-phase, 3-pos.	220 V - 240 V 380 V - 440 V 500 V 660 V - 690 V	4 kW 7.5 kW 10 kW 10 kW
AC-3	Direct starting of squirrel-cage motors, switching off during operation, star-delta startup (CH16B)	3-phase, 3-pos.	220 V - 240 V 380 V - 440 V 500 V 660 V - 690 V	3 kW 5.5 kW 5.5 kW 5.5 kW
		1-phase, 2-pos.	110 V - 120 V 220 V - 240 V 380 V - 440 V	0.6 kW 2.2 kW 3 kW
AC-4	Starting of squirrel-cage motors, reversing, plugging, inching	3-phase, 3-pos.	220 V - 240 V 380 V - 440 V 500 V 660 V - 690 V	0.55 kW 1.5 kW 1.5 kW 1.5 kW
		1-phase, 2-pos.	110 V - 120 V 220 V - 240 V 380 V - 440 V	0.3 kW 0.75 kW 1.5 kW
AC-23A	Frequent switching of motors or other highly inductive loads	3-phase, 3-pos.	220 V - 240 V 380 V - 440 V 500 V 660 V - 690 V	3.7 kW 7.5 kW 7.5 kW 7.5 kW
		1-phase, 2-pos.	110 V - 120 V 220 V - 240 V 380 V - 440 V	0.75 kW 2.5 kW 3.7 kW
Breaking capacity				
			220 V - 240 V 380 V - 440 V 660 V - 690 V	150 A 150 A 80 A
Max. ambient temperature of the contact unit [1)]				
Open at 100% I_u/I_{th}		55°C over 24 hours with peaks up to 60°C		
Encapsulated at 100% I_{the}		35°C over 24 hours with peaks up to 40°C		

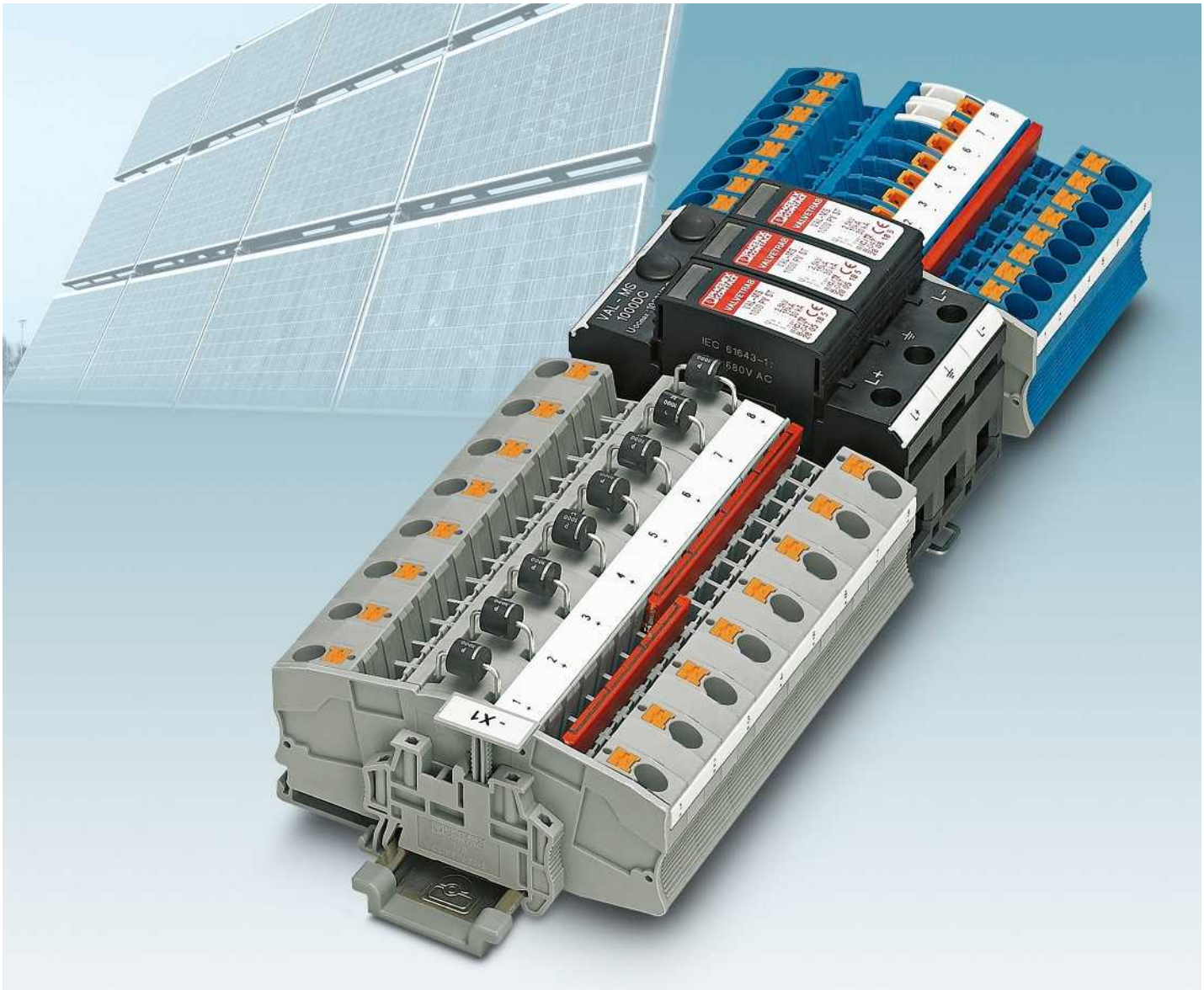
Switch types according to UL/CSA

Rated data				
Rated continuous current I_u/I_{th}				20 A
Rated operating current I_e				
Pilot Duty		Heavy		A300 VAC
Ampere Rating	Non-inductive or low-inductive load			20 A
Switching capacity				
	Normal motor load, DOL rating (similar to AC-3)	3-phase, 3-pos.	110 V - 120 V 220 V - 240 V	1.5 HP 3 HP
		1-phase, 2-pos.	110 V - 120 V 220 V - 240 V 277 V	0.5 HP 1 HP 2 HP
	Heavy-duty motor load, reversing rating (similar to AC-4)	3-phase, 3-pos.	110 V - 120 V 220 V - 240 V	0.5 HP 1 HP
		1-phase, 2-pos.	110 V - 120 V 220 V - 240 V 277 V	0.17 HP 0.5 HP 0.6 HP

Installation depth, dimension A	
[mm]	Order No.
33.5	3069705, 3069706, 3069707, 3069710, 3069714, 3069717, 3069719, 3069722, 3069723, 3069725
43	3069700, 3069702, 3069708, 3069709, 3069711, 3659715, 3069716, 3069720, 3069724, 3069726
52.5	3069701, 3069704, 3069712, 3069718
62	3069713, 3069721
71.5	3069703



[1)] Valid for networks with grounded star point, surge voltage category III, pollution degree 3. Values for other network types on request.
Storage temperature: -40°C to 85°C (no impact load permitted at temperatures below -5°C)



In the mix of renewable energies consisting of wind power, hydropower, biomass, and geothermal energy, solar power in Germany, for example, has taken the leading position. Throughout the world, solar energy generation offers the greatest potential and has enjoyed the most widespread acceptance.

While standard products can be used in the AC area of a solar plant, a more specific approach is required for the DC area as a result of its special structure and characteristics.

In order to keep cable losses to a minimum, PV modules are connected to strings, thereby increasing the system voltage. Non-load voltages of PV systems reach up to 1000 V DC.

These high DC voltages place particular demands on the components used. In contrast to AC voltage, the DC voltage that is present allows creepage distances to be created very easily on the surface of insulating elements. The components used in this area must therefore have increased air and creepage distances.

In order to limit reverse currents which can occur in the event of a short circuit, the individual strings are protected. This preferably takes the form of 10.3 x 38 mm fuses in crystalline modules and blocking diodes incorporated into the circuit in thin-film modules.

Modular terminal blocks and fuses from Phoenix Contact cleverly meet the special requirements of photovoltaic systems. You will find a summary of all components in the "Components and systems for photovoltaics" brochure.

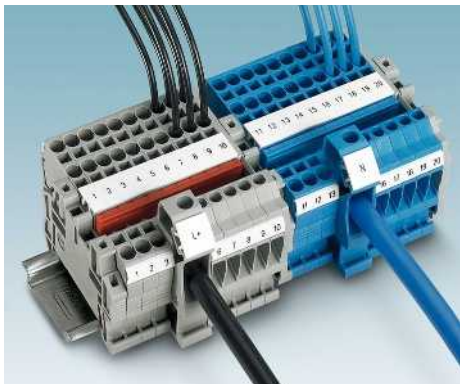
The corresponding photovoltaic terminal blocks can be found in the relevant sections covering the specific connection technology.



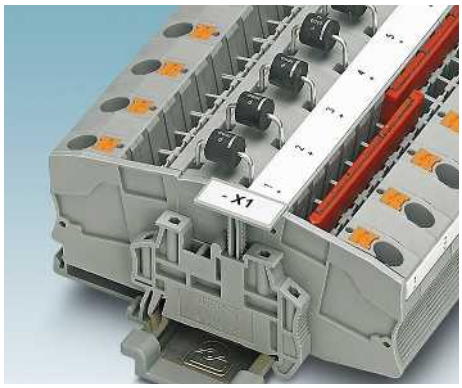
UK 10,3 HESI 1000V fuse terminal blocks protect individual strings against reverse currents. The optional LED signals a blown fuse. By using appropriate bridges, the line currents can be connected and accumulated.



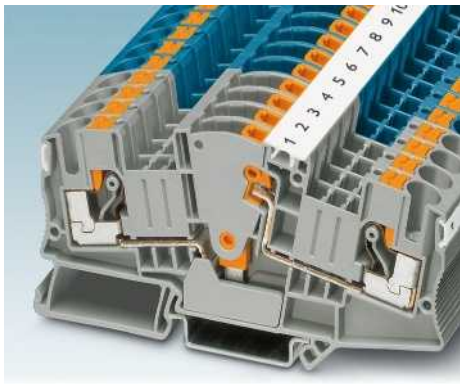
Cables with larger cross sections are used for the connection between GCBs and inverters due to their higher currents and longer cable lengths. UKH ... and RBO ... terminal blocks can accommodate conductors with a cross section of up to 300 mm².



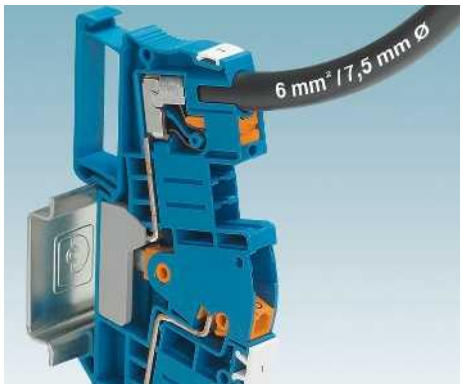
Potential collective terminal blocks are available for a quick and space-saving interconnection of individual strings. The output side accommodates conductors up to 35 mm² in a screw terminal block unit.



The STME 6-DIO HV and PTME 6-DIO HV diode terminal blocks serve as line diodes and are used in thin-film photovoltaic systems to prevent reverse currents. This means that the often sensitive thin-film modules are ideally protected to provide long-term stability.



The STME 6 HV and PTME 6 HV disconnect terminal blocks provide a disconnection option for maintenance and repair work. Once the photovoltaic system has been switched off, a single line can be disconnected via the disconnect terminal block.



In photovoltaics, cables with double insulation are used on the DC side. Cables with an outside diameter of up to 7.5 mm can be inserted through the single-sided open cable entry funnel without any problem.



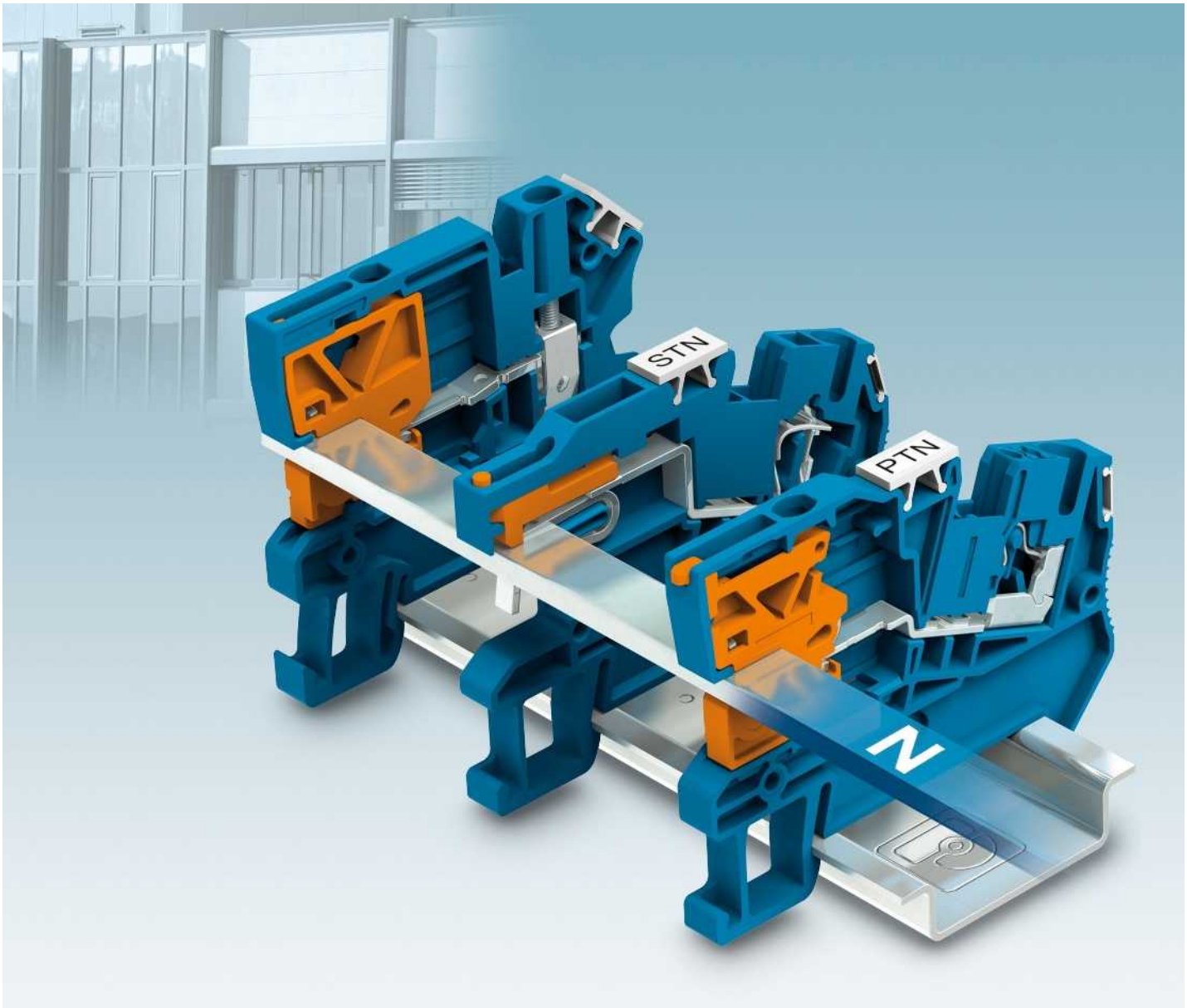
The DC line fuses feature a specially coordinated, ultra-fast gPV characteristic. They can safely and permanently transfer nominal currents of up to 20 A at system voltages of 1000 V and protect lines against reverse currents in the event of an error.



Large photovoltaic systems are being set up at increasing speeds. In order for such systems to be built both quickly and safely on site, solutions in the form of pre-assembled terminal strips or finished GCBs can be extremely helpful.



Due to the nature of the system, photovoltaic systems are constantly exposed to direct sunlight. Special UV-resistant marking materials ensure that terminal blocks, conductors, and devices can be reliably identified, even after years of use.



Electrical installations in communal facilities such as schools, hospitals, assembly points, restaurants, and all public buildings must fulfil special normative requirements. Insulation resistances must be measured during startup or when servicing the system in accordance with DIN VDE 0108-100 (EN 50172) without directly disconnecting the neutral conductor.
Installation terminal blocks from Phoenix Contact are precisely tailored to the requirements of electrical installations and distributor construction.

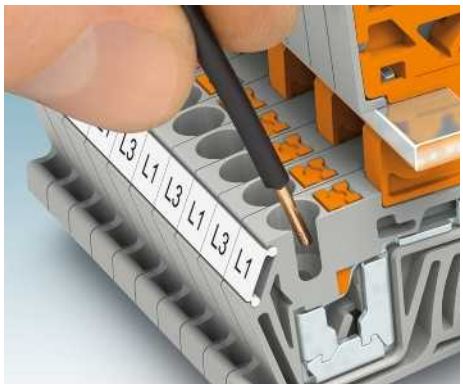
The neutral conductor can be conveniently separated for test purposes by means of a screwless, spring-loaded disconnect metal. When it is simply levered over with a standard screwdriver, it makes contact on the 3 x 10 mm standard profile. The disconnect slide locks into the end positions and the switching states are clearly signaled. These are sound prerequisites for the quick and safe testing of all versions. The double function shafts allow potentials to be multiplied with ease. Clearly visible marking surfaces and testing facilities at every terminal point ensure clarity, regardless of the mounting position.

Numerous versions with screw, spring-cage or push-in technology are available for all applications, and all versions are completely compatible.

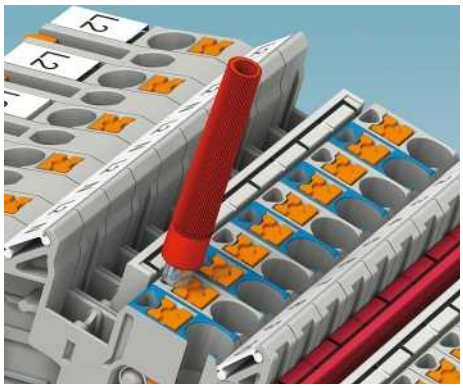
The corresponding installation terminal blocks can be found in the relevant sections covering the specific connection technology.



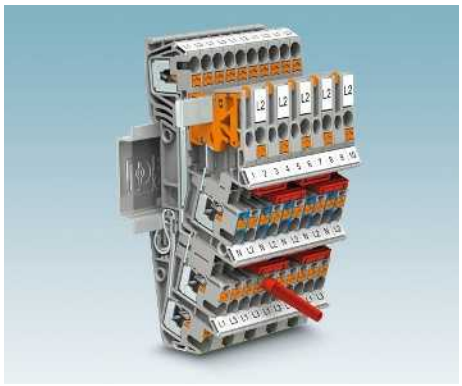
The screwless disconnect slide makes contact when it is simply slid onto the neutral busbar using a standard screwdriver. The switch position of the disconnect slide is clearly signaled.



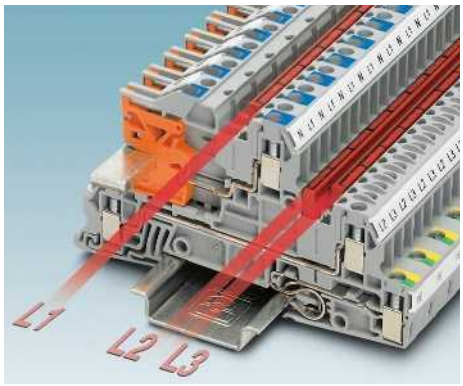
PTI installation terminal blocks with push-in connection can be wired without tools. Strip the conductors, plug them in, and you're done. This represents a clear advantage in terms of the time it takes to perform wiring. The terminal blocks can be released using the actuation lever made from insulation material.



All installation terminal blocks are equipped with test openings on every level. All measurements and testing can therefore be carried out quickly and easily, even when all function shafts are occupied.



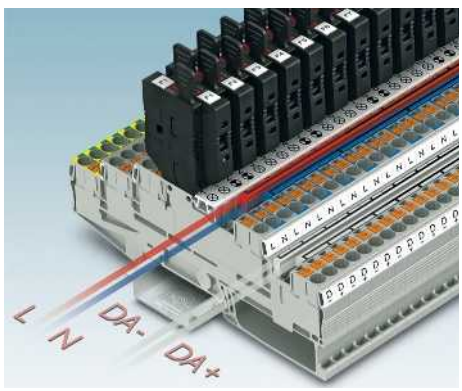
Each terminal point supports clear, large-surface labeling. Markings are clearly visible at each mounting position in the installation distributor.



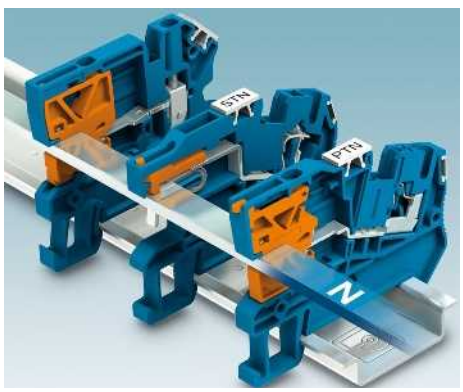
Double function shafts on each level provide comprehensive potential distribution. Even three-phase connections can be implemented conveniently and in a compact space with a design width of just 10 mm. Lateral distribution is performed with FBS ... plug-in bridges.



The special shape of all installation terminal blocks from Phoenix Contact means that they can be subsequently snapped on or off in an interconnected arrangement. It is therefore not necessary to remove the neutral busbar when extending or removing terminal blocks.



The PTB installation terminal blocks are particularly suitable for DALI bus applications. The multi-level terminal blocks feature comprehensive bridging options as well as a function zone.



Installation systems from Phoenix Contact are available with various connection technologies. Regardless of the type, design or conductor connection, all are compatible and can be freely combined with one another.



You will find a comprehensive range of installation accessories such as power/pick-off terminal blocks, busbar supports, and cover profiles in the “SK shield connection clamps” section and in Catalog 5.



Services - terminal strips, control boxes, planning and marking software

Our services

At Phoenix Contact, trendsetting products are complemented by a comprehensive range of services tailored to your needs. This covers ready-made terminal strips, control boxes, as well as printed marking materials.

Planning and marking software

The CLIP PROJECT software consists of two modules:

– CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.
– CLIP PROJECT Marking is a powerful piece of software for the creation of individual labels for terminal blocks, cables, lines, devices, and systems.

Thanks to the optimum interaction between the two modules, even in connection with electrical planning systems, the result is an end-to-end process chain: from planning and documentation, right up to the finished terminal strip or the finished marking.

The advanced version, CLIP PROJECT professional, also features an efficient template designer, which can be used to design custom labels.

The following product ranges can be found in Catalog 5

MARKING system marking systems

MARKING system provides the perfect solutions for terminal, conductor, device, and system marking.

TOOL fox tools

TOOL fox is the complete range of professional processing and measuring tools.

CABINET add-on mounting material

CABINET add-on stands for modern control cabinet technology.

Product range overview

Service	**697**
Terminal strips	**697**
Control boxes	**700**
Planning and marking software	**702**

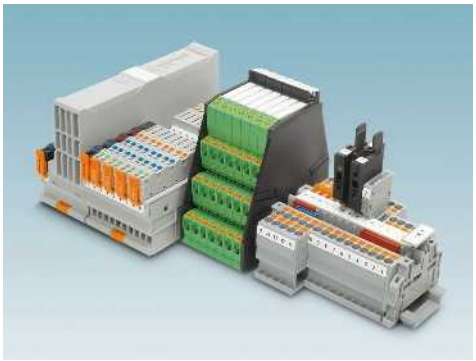
Our services

At Phoenix Contact, trendsetting products are complemented by a comprehensive range of services. Wherever you are in the world, our global network means that you can rely on our service. Being at home all over the world and speaking the language of the user is what we understand by customer proximity. We live up to this with more than 40 Phoenix Contact subsidiaries and in excess of 30 representatives in other countries.



Terminal strip production

Pre-assembled terminal strips enable you to both streamline your process sequences and save installation time. We supply your terminal strips fully labeled.



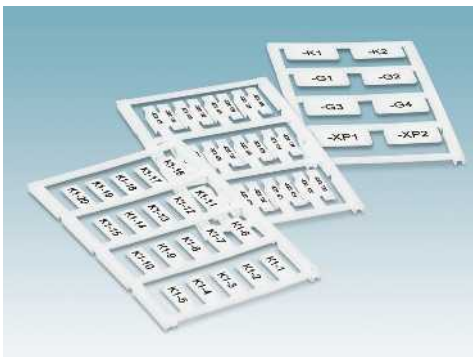
Control box production

We can produce fully assembled control boxes to your specifications. Our service even includes putting together custom product sets.



Labeling service

With CLIP PROJECT, the planning and marking software, you can create labels to suit your wishes. Just use the built-in e-mail function to send the data to us, and we will deliver ready-printed marking materials directly to your production facility. Quick and easy – all you have to do is mount the materials.





A consistent system from configuration through to the finished application

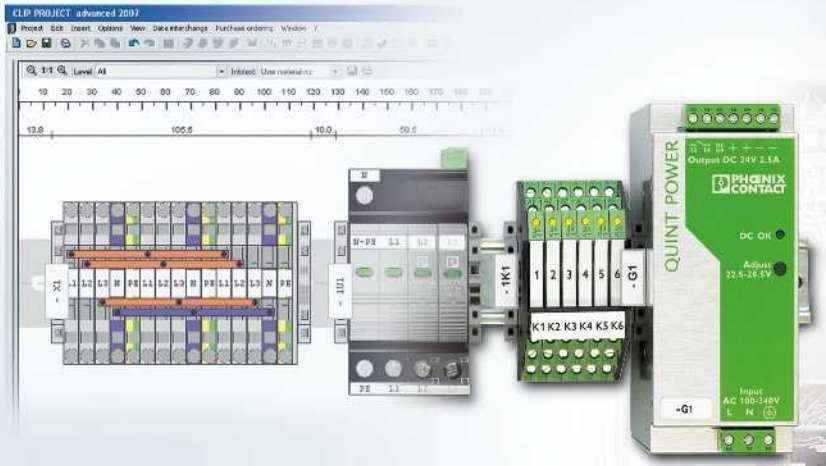
CLIP PROJECT combines the proven planning software for terminal strip configuration with a high-performance marking tool. Direct data exchange with all conventional CAE programs, along with the creation of the complete project documentation, are what make this configuration software unique. CLIP PROJECT provides the perfect output devices and marking materials for terminal, conductor, device, and system marking. Quite simply, it is a single piece of software that is compatible with all printing systems and can be used to label any type of application.

Configuration ...

Production ...



Printing systems
From high-speed printers to universal lists.



Complete documentation
CLIP PROJECT creates complete order, parts, structure, and mounting lists at the click of a mouse.

... Mounting



We make everything to suit your requirements
With CLIP PROJECT, you can create markers or complete terminal strips in accordance with your specifications. Just send the data to us using the built-in e-mail function.
We can provide markings that are printed precisely to meet the requirements of your application or even completely labeled terminal strips. Direct to your production facility, quickly and easily - all you need to take care of is installation.



The perfect solution for every application. We integrate your selected components or pre-assembled terminal strips into the right industrial housing, regardless of whether they are made from stainless steel, sheet steel, aluminum, polyester or polycarbonate.

Just install the control boxes and you're done. We also offer consultation and a range of services for this. Our staff will be happy to work with you on site to create the ideal solution for your application, precisely tailored to your requirements.

Make the most of our comprehensive technical and industry-specific expertise. Reduce your planning and assembly time to a minimum with pre-installed terminal strips and housing solutions.

Our services at a glance:

– Joint creation of solutions from components for the control cabinet to assembled terminal strips right through to a completely assembled housing
– Phoenix Contact will also implement these solutions - including the creation of project-relevant documentation

Make the most of our comprehensive product portfolio and range of services to create your optimum solution.



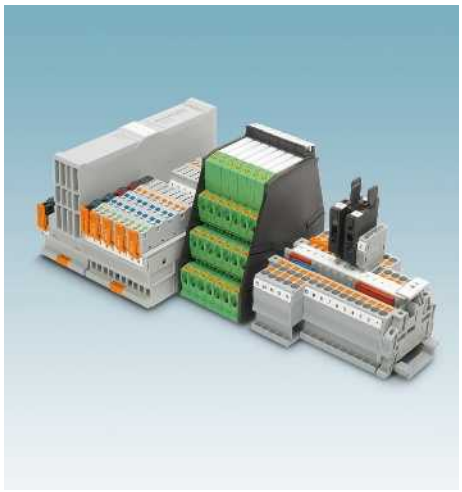
We work together with you to develop a tailor-made solution - perfectly matched to your application and needs. Make the most of our international sales network and local market proximity.



The Phoenix Contact product portfolio not only offers the right components for your control cabinet, but is also a solid foundation for creating complete housing solutions for your system installation.



With the CLIP PROJECT planning and marking software, we can plan, configure, and create your terminal strip quickly and easily for subsequent integration into the desired housing.



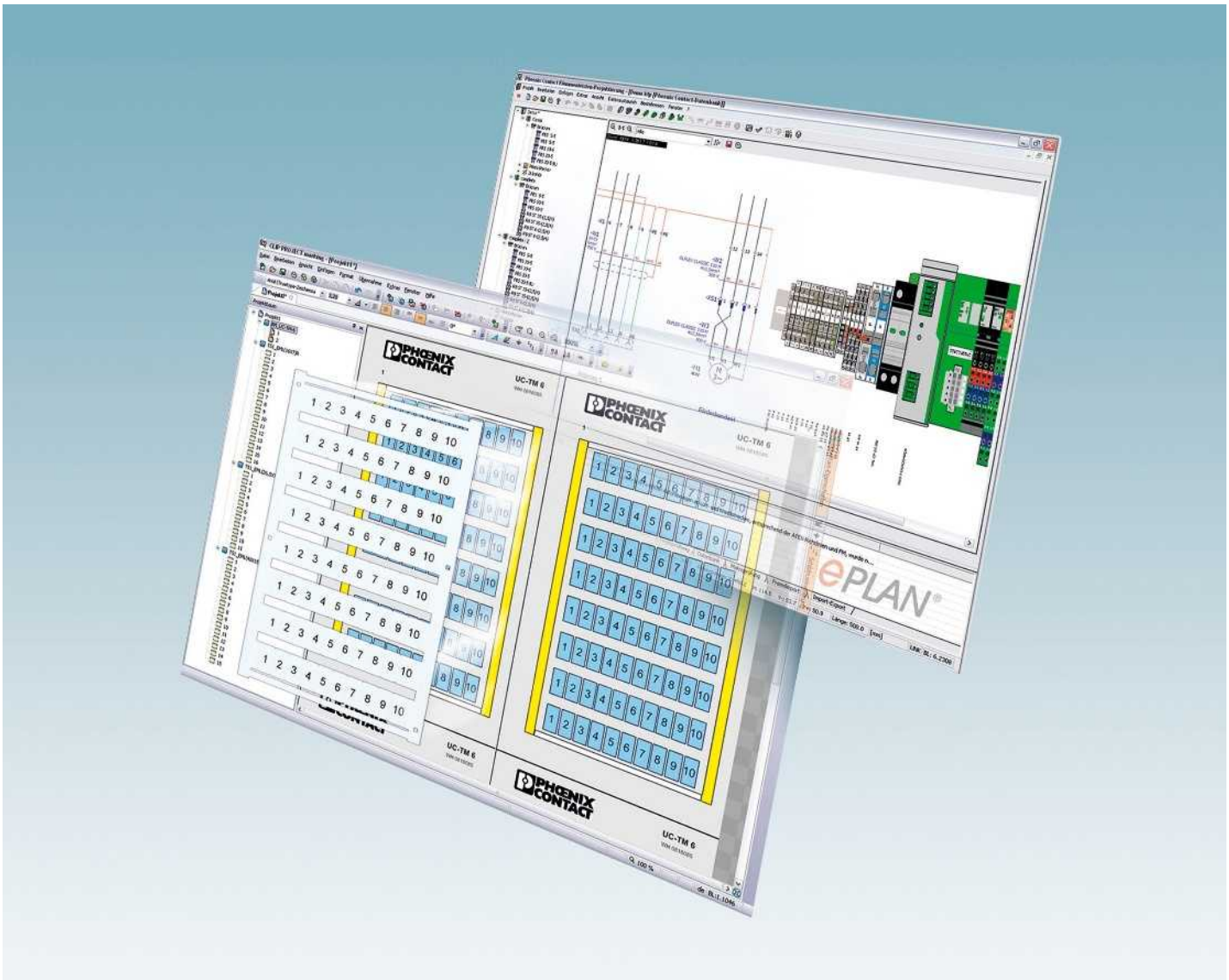
We create complete terminal strips, sets, and mounting plates in accordance with your specifications, and these are consistently labeled and delivered to you for direct mounting. This reduces your installation time to a minimum.



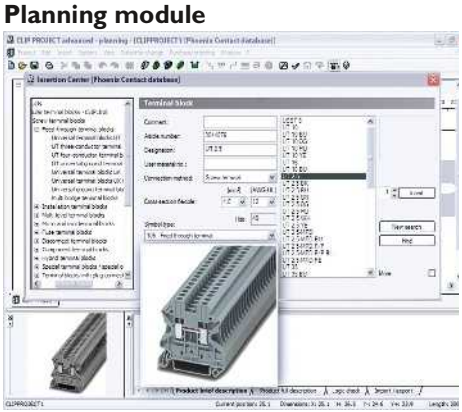
A complete housing solution also includes the quick and easy insertion of cables into the housing. With standard cable glands and the CES cable entry system, products with up to IP66 protection are available which meet this requirement.



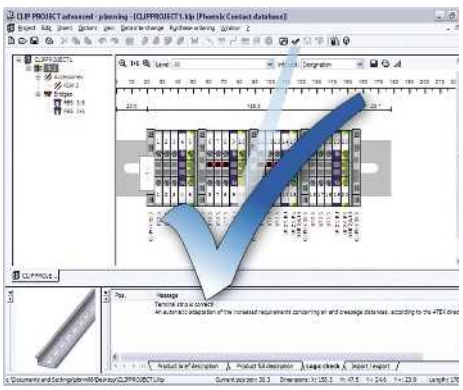
With the MARKING System marking system, informative and standard-compliant marking of control cabinets, switchgear, and their components can be implemented quickly, easily, and with high durability.



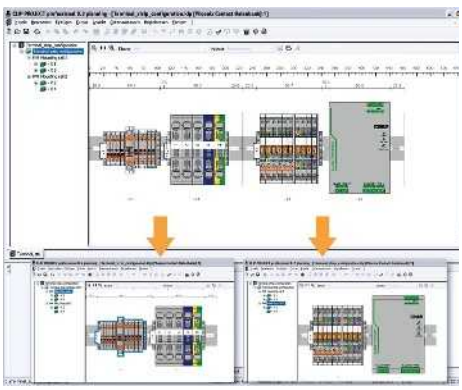
Planning module



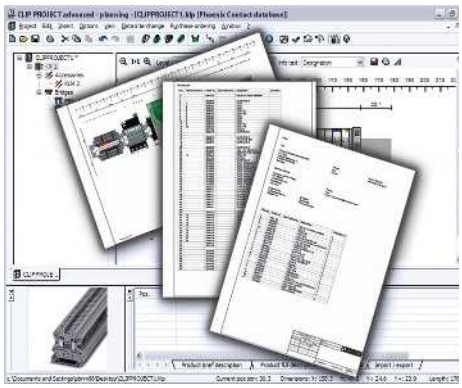
During selection, all Phoenix Contact products which can be fitted on DIN rails are displayed as a preview for rapid product selection.



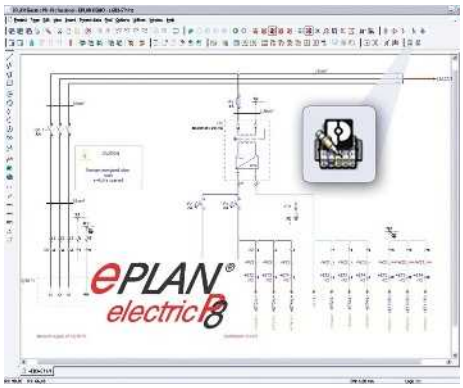
The automatic correction function checks the configured terminal strip and automatically adds any missing accessories. 2D and 3D design data is available with a click of the mouse.



The configured terminal strips can be distributed across several DIN rails in order to determine the exact space requirements for installation.



Complete documentation and an effective 3D preview are available for rapidly and correctly producing the mechanical structure of the terminal strips.

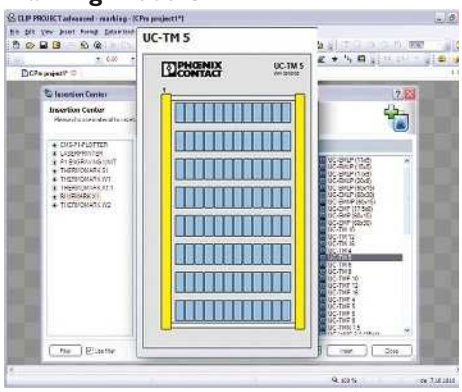


By integrating CLIP PROJECT into EPLAN P8, terminal strips are automatically produced from the circuit diagram in CLIP PROJECT. The product data is written back to the EPLAN parts lists using the two-way interface.

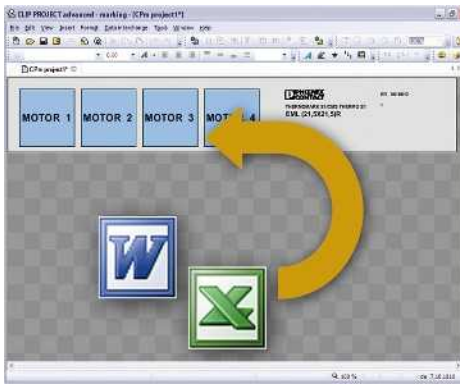


Phoenix Contact provides a terminal strip service. The terminal strips configured to suit your requirements can be ordered using the e-mail function. Phoenix Contact will supply the terminal strips promptly.

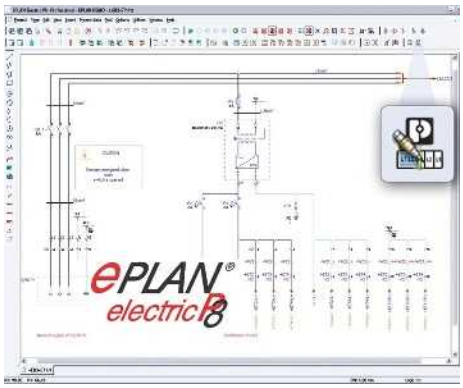
Marking module



During selection, the marking materials are displayed as a preview for rapid product selection.



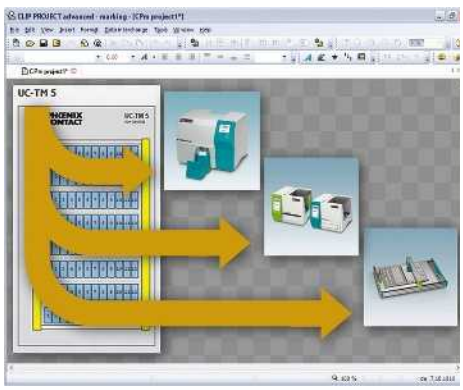
Interfaces to all CAE systems and spreadsheet and text processing programs are provided for the open exchange of data.



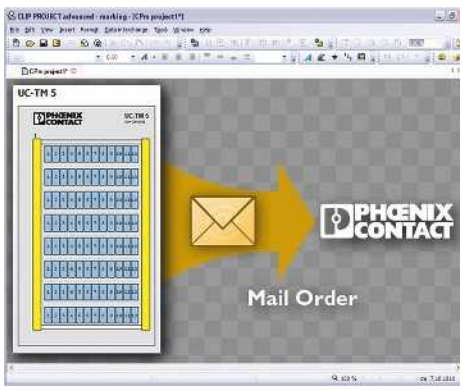
By integrating CLIP PROJECT into EPLAN P8, the labeling data for terminal, conductor, and device marking can be automatically taken from the circuit diagram.



The online update immediately provides the user with new products and program extensions for the marking and planning module.



All Phoenix Contact output devices and standard office printers can be easily controlled with just one piece of software.



Phoenix Contact provides a labeling service. Orders can be placed by email and all items printed and supplied to suit the customer.

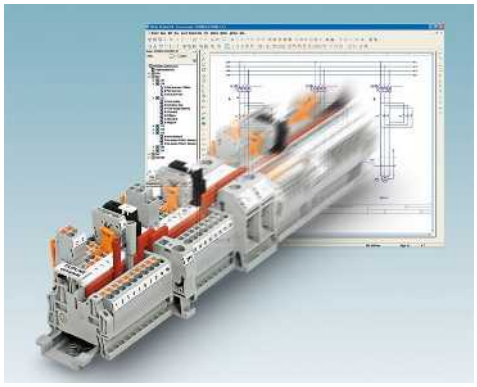
CLIP PROJECT advanced

The CLIP PROJECT advanced program enables the quick planning and configuration of terminal strips for the control cabinet and field as well as custom-marking of terminal blocks, cables, and lines, plus devices and systems:

– Planning of terminal strips with components of the CLIPLINE, INTERFACE, TRABTECH, and AUTOMATION product ranges
– The automatic correction function performs a logical test of the terminal strips and automatically adds the necessary accessories such as covers and end brackets
– The terminal strip configurator enables the distributed arrangement of individual terminal strips on different DIN rails
– 3D preview and complete documentation of the assembled DIN rails, such as order and mounting lists
– High-performance import of labeling information and extensive design options for the custom-labeling of terminal blocks, cables, and lines, as well as devices and systems
– Numerous sorting and filter functions for efficient management of your print jobs
– Support for all marking materials and output devices from Phoenix Contact
– Automatic Internet update
– Intuitive Windows® user interface

To reduce engineering costs and improve data quality, CLIP PROJECT advanced allows two-way data exchange with electrical planning systems:

– With the circuit diagram as the basis, the required products are automatically selected and their complete data written back to the parts lists
– The labeling information can be automatically exported and assigned to the desired marking materials
– In order for the labeling to be assigned clearly, even in the case of extensive projects, the project structure tree from the CAE system has been adopted in CLIP PROJECT; this also allows the labeling to be output to subprojects



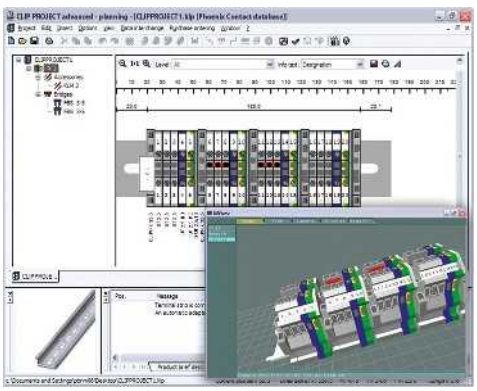


Technical data

General data	
Software interface	EPLAN 5.7 EPLAN Electric P8 AUCOTEC ELCAD AUCOTEC Engineering Base AUCOTEC RUPLAN ZUKEN E^3 Bentley Promis-e WSCAD IGE XAO PC-Schematic AUTOMATION SDProget SPAC
System requirements	
Operating systems	MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)

Ordering data

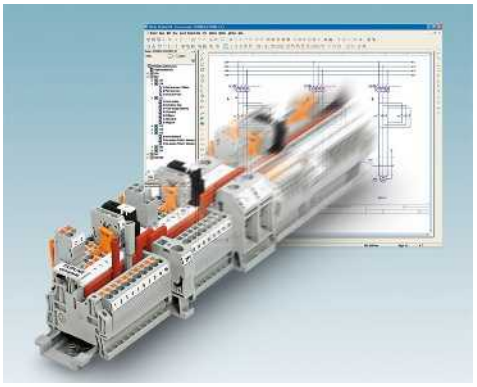
Description	Type	Order No.	Pcs. / Pkt.
CLIP PROJECT advanced, planning and marking software, German/English/French/Dutch/Italian/Spanish/Russian/Polish/Hungarian/Czech/Turkish/Portuguese/Chinese and Japanese	**CLIP-PROJECT ADVANCED**	**5146040**	1



CLIP PROJECT professional

The CLIP PROJECT planning and marking software is available in both an advanced and professional version:

– The professional version also includes an efficient template designer, which can be used to design signs of your choice and to adapt existing material descriptions
– Graphics, various barcode types, and geometric elements such as squares, circles, and lines can be accessed for design work
– Data can also be imported into the templates from various data sources
– Quick, easy, and flexible adaptation to changing requirements



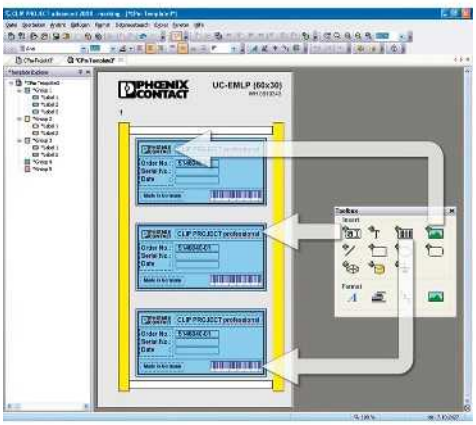


Technical data

General data	
Software interface	EPLAN 5.7 EPLAN Electric P8 AUCOTEC ELCAD AUCOTEC Engineering Base AUCOTEC RUPLAN ZUKEN E^3 Bentley Promis-e WSCAD IGE XAO PC-Schematic AUTOMATION SDProget SPAC
System requirements	
Operating systems	MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
CLIP PROJECT professional, planning and marking software, with template designer, German/English/French/Dutch/Italian/Spanish/Russian/Polish/Hungarian/Czech/Turkish/Portuguese/Chinese and Japanese	**CLIP-PROJECT PROFESSIONAL**	**5146053**	1



Quality in quantity



Integrated management system

The aim of the Phoenix Contact integrated management system is to coordinate all the requirements regarding products, processes, and organization.

Statutory and regulatory requirements, as well as those of international standards and our customers, are met and, in some cases, even exceeded in all phases of the product lifecycle.

In the Phoenix Contact management system, the integration of quality, environmental protection, and safety in the workplace is monitored each year for conformance by internationally recognized independent bodies. Certification in accordance with international standards ISO 9001, ISO 14001, and BS OHSAS 18001 is the result of our corporate philosophy of meeting the needs of our customers, staff, and environment as best as possible. They serve as the basis for innovative products with the familiar high Phoenix quality standard, actively practiced environmental protection, and responsibility in the field of occupational health and safety. Of course, we integrate all further requirements of standards, international approvals or special customer requirements into company processes.

This system provides a building block for the success of the Phoenix Contact Group and its products and services.

CE marking

The CE mark was introduced as an important instrument for the free movement of goods and services within the single European market. By attaching the mark to a product, the manufacturer confirms that it complies with all applicable European Union (EU) directives. EC directives describe the product properties with regard to device safety and avoiding danger. These are legally binding regulations of the European Union (EU). In other words, compliance with the requirements is a **statutory condition for marketing the product within the EU**.

Where applicable, the products that our company currently manufactures fall within the scope of the following directives:

- 2006/95/EC
  Electrical equipment designed for use within certain voltage limits (Low Voltage Directive)
- 2004/108/EC
  Electromagnetic compatibility (EMC Directive)
- 2006/42/EC
  Safety of machinery (Machinery Directive)
- 94/9/EC
  Equipment and protective systems intended for use in potentially explosive areas (ATEX Directive 100a)
- 1999/5/EC
  Radio and telecommunications terminal equipment (R&TTE)

The standards upon which the specified directives are based, have been part of our standard of development for a long time. This guarantees conformance with European directives. The numbers of the directives indicate their version at the time of publication. In the event of changes to directives and/or standards, our products will undergo conformity assessment again in good time and a new declaration of conformity will be issued simultaneously. The current declarations for each product can also be found in our Download Center.

The EMC Directive occupies a special place among the European directives listed. It defines electromagnetic compatibility as a fundamental property of devices based on mandatory guidelines. European Law therefore acknowledges the electromagnetic compatibility of devices and systems as an important condition for error-free operation of machinery and systems. Phoenix Contact is one of the leading international companies in surge protection, and therefore possesses broad expertise in EMC. This expertise and the experience gained over years of developing and applying industrial interface and communication technology have resulted in our products having an extremely high standard of quality with regard to electromagnetic compatibility. It was with a view to providing other companies with this expertise that our associate company, Phoenix Testlab, was founded. Phoenix Testlab GmbH is an independent, accredited service provider offering EMC testing that conforms to European standards. At Phoenix Testlab, devices are also tested with regard to their electrical safety, mechanical influences, and their behavior in relation to environmental influences. Furthermore, Phoenix Testlab is a "Notified Body" in accordance with EMC Directive 2004/108/EC and according to R&TTE Directive 1999/5/EC for radio and telecommunications terminal equipment. As a "Telecom Certification Body" (TCB), Phoenix Testlab may also approve these products for markets in the USA, Canada, and Japan.

Standards and regulations

All relevant standards and regulations are used as the basis for the development and maintenance of our products.

International standards are subject to continuous changes as a result of harmonization and new developments. In line with this process, the current version of all standards that are relevant to our products is documented in the product area on our website at **www.phoenixcontact.net/products**.

Online product information service on the web

Phoenix Contact's product range is growing constantly.

Due to our commitment to product monitoring, all products are subject to improvement.

The Internet is an ideal platform to quickly communicate new product developments and improvements to the market.

You can quickly access the relevant Phoenix Contact website for your region via www.phoenixcontact.com. Here, you will always find the latest overview of products, solutions, and services from Phoenix Contact. This includes technical documents, such as data sheets and user manuals, the latest driver and demo software, plus a means of contacting the appropriate contact person directly.

Overview of certification bodies and safety marks

Certification bodies and approvals		Country code
CB scheme	IECEE CB Scheme (in combination with certifying body)	Interna-tional
CCA	CENELEC Certification Agreement (CCA inspection report) (in combination with certifying body)	EU
CSA	Canadian Standards Association (CSA)	CA
UL	Underwriters Laboratories Inc. (UL)	US
c UL	Underwriters Laboratories Inc. (UL) - UL approval for Canada -	CA
c UL us	Underwriters Laboratories Inc. (UL) Combined logo - UL approval for the USA and Canada -	US CA
IMQ	INSIEME PER LA QUALITA'E LA SICUREZZA	IT
GOST	Gosudarstvenne Komitet Standartov (GOST)	RU
KEMA KEUR	DEKRA Certification B.V.	NL
ÖVE	Österreichischer Verband für Elektrotechnik	AT
SABS	South African Bureau of Standards	ZA
SEV	electrosuisse SEV Verband für Elektro-, Energie- und Informationstechnik	CH
VDE	Verband Deutscher Elektrotechniker e.V.(VDE) – Approval of drawings – Reports with production monitoring	DE
GS	Berufsgenossenschaft (BG) GS - Geprüfte Sicherheit	DE
TÜV	TÜV Rheinland Industrie Service GmbH	DE

Explosion protection		Country code
FM APPROVED	FM Approvals	US
DEKRA	DEKRA Certification B.V.	NL
PTB	Physikalisch-Technische Bundesanstalt	DE
QS International	QS Schaffhausen	CH
VTT	VTT Expert Services Oy	FI
IBExU	IBExU Institut für Sicherheitstechnik GmbH	DE
UC	TÜV Rheinland do Brasil	BR
UL	Underwriters Laboratories Inc. (UL)	US
TÜV NORD	TÜV Nord	DE
DEKRA	DEKRA EXAM GmbH	DE

Ship classification societies		Country code
BV	Bureau Veritas	FR
GL	Germanischer Lloyd AG	DE
Lloyd's Register	Lloyd's Register EMEA	GB
ClassNK	Nippon Kaiji Kyokai	JP
DNV	Det Norske Veritas	NO
PRS	Polski Rejestr Statków	PL
RS	Russian Maritime Register of Shipping	RU
KR	Korean Register of Shipping	KR
ABS	American Bureau of Shipping	US

Note:

Subject to changes that serve the purpose of technical progress.

Expertise in connection technology

CLIPLINE complete

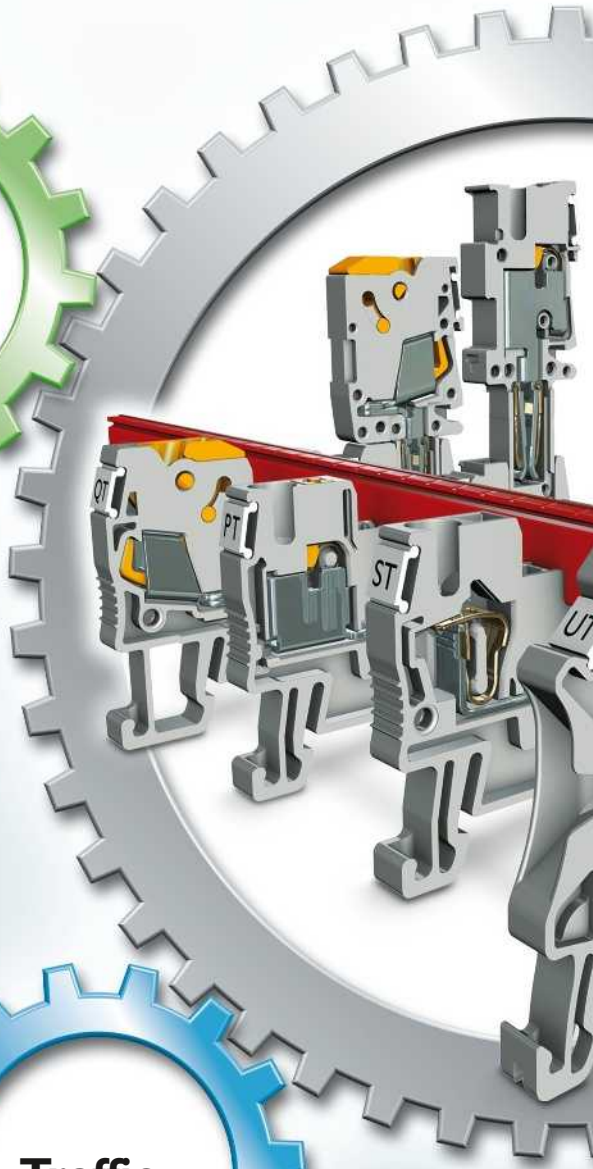
Thanks to the implementation of appropriate design measures and the use of high-grade materials, the modular terminal blocks from Phoenix Contact exceed the requirements imposed by standards.

The modular terminal blocks are subjected to tests which go beyond the basic modular terminal block standard, enabling them to be used in all sectors of industry, such as power supply, traffic engineering, process engineering, in particular the chemical and petrochemical industry or shipbuilding.

The following industry-specific standard tests are performed on the modular terminal blocks.



Power



Lloyd's Register

BUREAU VERITAS

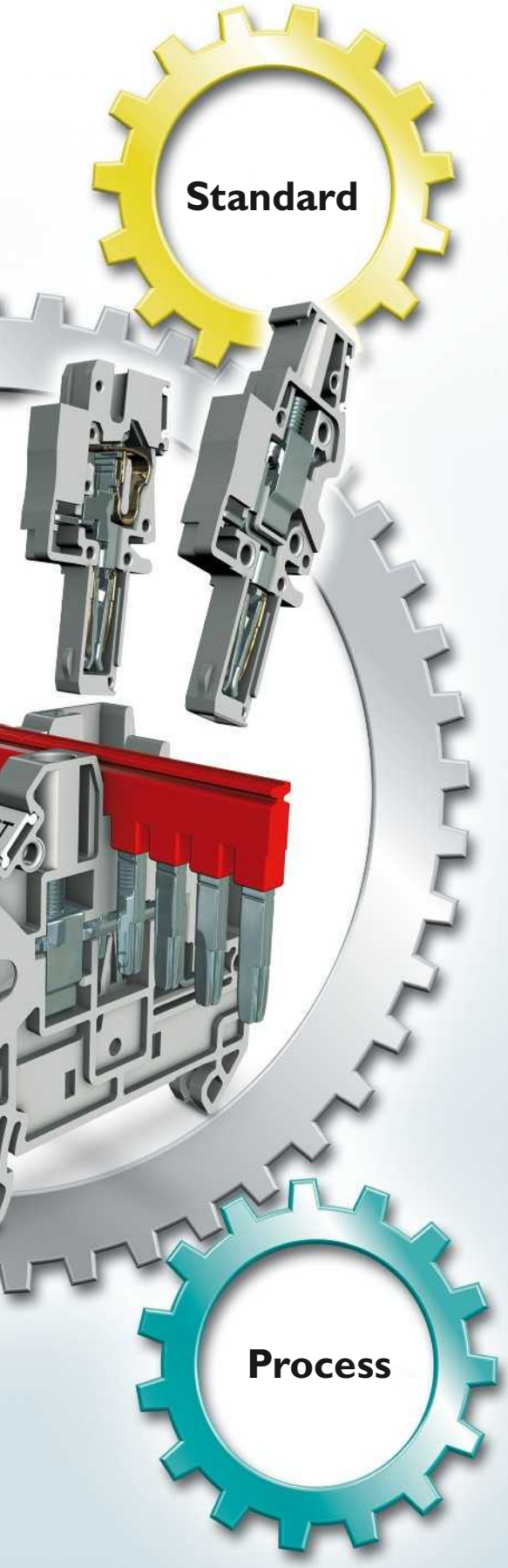
ABS

DNV

NIPPON KAIJI KYOKAI ClassNK



Traffic





ATEX

IECEx

FM APPROVED



Modular terminal blocks for potentially explosive areas



Phoenix Contact offers an extensive range of Ex-approved connection technology for process engineering. Thanks to the high-quality contact and insulation materials, the modular terminal blocks are particularly suited to rough, potentially explosive industrial applications. The modular terminal blocks from Phoenix Contact which have been approved for the potentially explosive area are mainly standard terminal blocks. In addition to the usual approvals and in accordance with standard IEC/EN 60079-7, they also have an IECEx and ATEX certificate from one of the EU-authorized testing centers (DEKRA, PTB, SEE, etc.).

It is therefore not necessary with modular terminal blocks from Phoenix Contact to differentiate between Ex and non-Ex terminal blocks in the warehouse. The advantages are clear.

Protection type Ex e

The modular terminal blocks on the website listed below meet the requirements for protection type "Increased safety" Ex e, taking into consideration the installation instructions. The modular terminal blocks are therefore approved for installation in zone 2 and in zone 1 in particular, i.e., in the actual Ex area. The latter, however, only on condition that the terminal blocks are installed in connection boxes which are also approved for protection type Ex e and have the equivalent of at least IP54 protection.

The available Ex e approved modular terminal blocks can be divided into the following groups:

- Screw connection terminal blocks
- Spring-cage connection terminal blocks
- Push-in connection terminal blocks
- Fast connection terminal blocks
- Mini terminal blocks
- Terminal blocks for specialized applications

Protection type Ex i

No special approval is required for modular terminal blocks in applications with protection type Ex i "intrinsic safety". In addition to Ex e-approved terminal blocks, standard terminal blocks can be used here as well. The increased requirements for air and creepage distances:

- Between adjacent terminal blocks
- Between terminal blocks and grounded metal parts

As well as distances through rigid insulation are specified in IEC/EN 60079-11.

More detailed information on modular terminal blocks in the Ex "e" and "i" areas is available in the product area on our website at:

www.phoenixcontact.net/products

as a download for the approved products.

Here you will find the following:

- Technical data according to IEC/EN 60079
- Approved accessories
- Important installation instructions and mounting diagrams

Marking

The explosion-protected equipment must be marked in such a way as to guarantee that it is used correctly in accordance with its safety characteristics. The marking of equipment is described in harmonized standard IEC/EN 60079. Modular terminal blocks with protection type "increased safety" must be appropriately marked.

ATEX Directive 94/9/EC

Manufacturer or trademark	
Address of the manufacturer	32823 Blomberg, Germany
Number of the notified body	0344
Common marking in the EU	
Equipment group	II
Equipment category	2
Use in atmospheres	
Gas and/or	G
Dust	D

Standard labeling according to EN/IEC 60079-0 for increased safety "e"

Manufacturer or trademark	
Type designation	UT 2,5...
Abbreviation of the explosion protection	Ex
Protection type	e
Equipment group	II
ID of the notified body	KEMA
Certificate No.	04ATEX2048U
Year of issue	04
Directive ID	ATEX
Processing No.	2048
ID for components	U

Worldwide explosion protection

IEC 60079

Explosion protection around the world is mainly based on the IEC 60079 series of international standards and European and American standards and directives.

In North America, the basis for this is the National Electric Code (NEC) in the USA and the Canadian Electrical Code (CEC) in Canada. Directive 94/9/EC (ATEX 100a) is of particular importance to manufacturers of devices and protective systems within CENELEC countries of the European Community and beyond. We accommodate the international concept with IECEx certificates. This means that use in zone 1 and 2 in protection type Ex e "increased safety" is permitted. However, this is only under the condition that the terminal blocks are enclosed in type-tested housings which meet the requirements for protection type "e" increased safety.

Requirements for modular terminal blocks

The protection types "d" pressure-tight encapsulation, "p" pressurized encapsulation, and "m", "q", "o" (molded, sand or oil encapsulation) do not present any special requirements for modular terminal blocks. The protection principle of increased safety "e" (IEC/EN 60079-7) is generally based on increased constructional measures. The most important ones for modular terminal blocks are:

– Air and creepage distances
– Modular terminal blocks must be secured against loosening, fastened and designed so that the cables cannot come loose or be impermissibly damaged by the terminal point.
– The contact pressure must not be transmitted over insulating parts.
– Modular terminal blocks that are intended for the connection of multi-strand conductors must be fitted with an intermediate elastic element.

These requirements and the technical data are checked by an independent testing institute (notified body, e.g., DEKRA, PTB, TÜV, etc.) and certified by the appropriate certificate. The following tests must be verified by the type examination:

– Type test in accordance with IEC 60947-7-1/-2
– Proof of air and creepage distances and insulation testing



Ex e-certified products in accordance with IEC/EN Ex are subject to compulsory marking

– Aging test:
  – 14 days' storage at 95°C and 95% humidity
  – A further 14 days with dry heat at the level of the TI value of the insulation material
  – 24 hours' low-temperature storage at -65°C with subsequent conductor pull-out test

The Ex e-approved modular terminal blocks from Phoenix Contact are standard modular terminal blocks. These are 100% routine-tested during the manufacturing process in accordance with IEC/EN 60079, which includes an insulation test.

Note

Detailed information and data sheets with instructions for installing modular terminal blocks in the Ex area are available in the product area on our website at www.phoenixcontact.net/products.



The certificates certify that the test was carried out by the respective notified body.

Connection capacity

IEC 60947-7-1/-2

This mechanical test defines the connection of commercially available conductors according to the manufacturer's information.

Modular terminal blocks must be constructed in such a way that the conductors with the documented rated cross section and the rated connection capacity can be connected. The specifications are documented by the manufacturer in metric (mm^2) and Anglo-American values (AWG).

Rated cross section means:

The value of the maximum possible cross section of all connectable conductors (stranded and single or multi-strand) that certain thermal, mechanical, and electrical requirements refer to.

Rated connection capacity means:

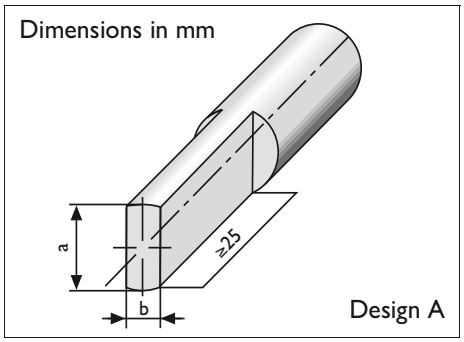
Range encompassing the largest to the smallest connectable cross section (reduced by at least 2 increments) and the number of connectable conductors for which the modular terminal block has been designed.

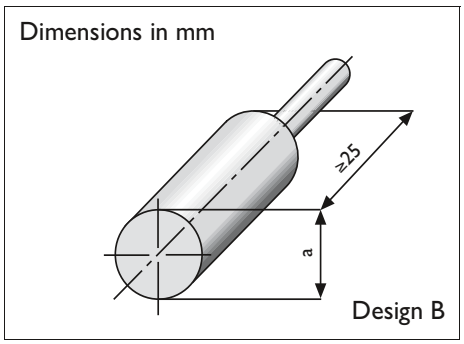
During the test, the modular terminal blocks are connected with the rated cross section and the rated connection capacity.

Alternatively, the rated cross section can also be verified using gauges.
(See figure)

It must be possible to freely insert conductors or gauges into or connect them to the open terminal point.

Terminal blocks from Phoenix Contact offer dimensions for the defined rated cross section that are well above those required by the standard. Thanks to appropriate design measures, the rated cross sections can also be connected with a ferrule and insulating collar in all modular terminal blocks of the CLIPLINE complete system.





Gauges (internal cylindrical gauge) of design A and B according to IEC 60947-1

Structure and dimensions of connecting cables

Cross section	Single-strand		Multi-strand		Fine-strand		American Wire Gauge [AWG]						
	Diameter Max. dimension	Number of wires	Diameter Max. dimension	Number of wires (minimum number)	Diameter Max. dimension	Number of wires (guide value)	Gauge No.	Solid wires*			Stranded wires*		
[mm^2]							AWG	[Ømm]	[circ. mils]	[mm^2]	[Ømm]	[circ. mils]	[mm^2]
0.2	0.5	1	-	-	-	-	24	0.51	404	0.21	-	-	-
0.5	0.9	1	1.1	7	1.1	16	20	0.81	1022	0.52	0.97	1111	0.56
0.75	1.0	1	1.2	7	1.3	24	18	1.02	1620	0.82	1.16	1600	0.82
1	1.2	1	1.4	7	1.5	32	(17)	1.15	2050	1.04			
-	-	-	-	-	-	-	16	1.29	2580	1.31	1.50	2580	1.32
1.5	1.5	1	1.7	7	1.8	30	(15)	1.45	3260	1.65			
-	-	-	-	-	-	-	14	1.63	4110	2.08	1.85	4100	2.09
2.5	1.9	1	2.2	7	2.3	50	(13)	1.83	5180	2.63			
-	-	-	-	-	-	-	12	2.05	6530	3.31	2.41	6500	3.32
4	2.4	1	2.7	7	2.9	56	(11)	2.30	8230	4.17			
-	-	-	-	-	-	-	10	2.59	10380	5.26	2.95	10530	5.37
6	2.9	1	3.3	7	3.9	84	(9)	2.91	13100	6.63			
-	-	-	-	-	-	-	8	3.26	16510	8.37	3.73	16625	8.48
10	3.7	1	4.2	7	5.1	80	(7)	3.67	20800	10.56	4.15	20820	10.55
-	-	-	-	-	-	-	6	4.12	26240	13.30	4.67	26250	13.39
16	4.6	1	5.3	7	6.3	126	(5)	4.62	33100	16.77	5.24	33100	16.77
-	-	-	-	-	-	-	4	5.19	41740	21.15	5.90	41650	21.24
25	-	-	6.6	7	7.8	196	3	5.83	52600	26.67	6.61	52630	26.67
35	-	-	7.9	7	9.2	276	2	6.54	66360	33.62	7.42	66150	33.74
-	-	-	-	-	-	-	1	7.35	83690	42.41	8.33	83706	42.69
50	-	-	9.1	19	11	396	1/0	8.25	105600	53.51	9.35	104640	53.36
70	-	-	11	19	13.1	360	2/0	9.27	133100	67.44	10.52	132300	67.47
95	-	-	12.9	19	15.1	475	3/0	10.40	167800	85.03	11.79	172500	87.98
-	-	-	-	-	-	-	4/0	11.08	211600	107.22	13.26	210400	107.30
120	-	-	14.5	37	17	608	250 kcmil		250 MCM	127	14.62	250000	127.00
150	-	-	16.2	37	19	756	300 kcmil		300 MCM	152	16.00	300000	152.00
185	-	-	18	37	21	925	350 kcmil		350 MCM	177	17.30	350000	177.00
240	-	-	20.6	61	24	1224	500 kcmil		500 MCM	253	20.66	500000	253.00
300	-	-	23.1	61	27	1525	600 kcmil		600 MCM	304			
400	-	-	26.1	61	31	-							

* 1000 circular mils = 1 MCM = 1 kcmil

Connecting aluminum conductors

The screw terminal blocks in the UT and UKH series are suitable for the direct connection of aluminum conductors in accordance with the directives governing conductor pretreatment. The aluminum "flows", i.e., under pressure, aluminum softens more easily than copper due to a low modulus of elasticity. Furthermore, after stripping the aluminum conductor, an oxide film forms on the conductor surface due to reacting with air. This oxide film leads to increased contact resistance between the aluminum conductor and terminal point. The oxide film should therefore be removed before wiring. In addition, the maximum current carrying capacity of aluminum conductors is lower than that of copper conductors. In general, if the same current carrying capacity is required of the aluminum conductor, a larger cross section than for a copper conductor must be selected. Due to the properties specified, UT... and UKH... screw connection terminal blocks from Phoenix Contact have been qualified through extensive tests for the use of aluminum conductors. An important quality feature of this qualification is the 1000-hour current cycling test in accordance with IEC 61545. As part of this test, the modular terminal block and aluminum conductor combination is supplied with current for an hour and then switched off for an hour. The cycle is repeated 500 times. During the 1000 hours, temperature measurements are taken at the terminal points in accordance with a defined schedule. The measured values must not exceed defined limit values. All screw connection terminal blocks from Phoenix Contact that have undergone these tests are listed in the table below.

Approved combinations of screw connection terminal blocks with aluminum conductors

Color versions of modular terminal block series are included in the approval.

Modular terminal block	Conductor cross section [mm²]														Recommended tightening torque
	2.5	4	6	10	16	25	35	50	70	95	120	150	185	250	
UT 2,5 (-PE)	RE	RE													0.6 Nm
UT 4 (-PE)	RE	RE	RE												0.8 Nm
UT 6 (-PE)	RE	RE	RE	RE											1.8 Nm
UT 10 (-PE)	RE	RE	RE	RE	RE										1.8 Nm
UT 16 (-PE)	RE	RE	RE	RE	RE	RE									3.0 Nm
UT 35 (-PE)	RE	RE	RE	RE	RE	RE	RE								3.7 Nm
UKH 25			RE	RE	RE	RE									4.5 Nm
UKH 50							RE	SE							8 Nm
UKH 70								SE	SE						10 Nm
UKH 95									SE	SE					20 Nm
UKH 150											SE	SE			30 Nm
UKH 240													SE	SE	30 Nm

RE	Round, single-strand, class 1; approved
SE	Sector-shaped, single-strand, class 1 α = 90°; approved





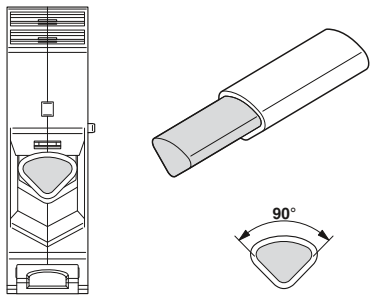
Single-strand aluminum conductors in round (RE) and sector-shaped (SE) form can be connected directly to the above-listed feed-through terminal blocks with screw connection.

When directly connecting aluminum conductors to UT ... and UKH ... feed-through terminal blocks from Phoenix Contact, the following guidelines on conductor pretreatment must be followed:

- The oxide film must be removed from the stripped end of the aluminum conductor using a blade (suitable knife, e.g., WIREFOX-D 13 stripping tool).
- It must then be dipped immediately in non-acid and non-alkali, i.e., neutral, Vaseline.
- The installation location must be kept free from humidity or aggressive atmospheres.
- When using an aluminum conductor, the screw in the clamping part of the screw terminal block must be tightened with the recommended tightening torque of the respective modular terminal block; there is no need to tighten the terminal point. (For torque screwdrivers, see Catalog 5)
- The pretreatment must be repeated when connecting the conductors anew.

Sector-shaped aluminum conductors should be inserted in the terminal point of UKH modular terminal blocks as illustrated. The rounded section of the conductor should be at the top so that the right-angled area of the aluminum conductor is positioned on the prism-shaped base of the terminal sleeve.

Accessories, e.g., bimetallic cable lugs (Al/Cu pressure cable lugs) can be used to connect multi-strand aluminum conductors. See www.phoenixcontact.net/products



Example for UKH... – connecting sector-shaped, single-strand aluminum conductors

Mechanical strength

IEC 60947-7-1/-2

The mechanical stability of the terminal point is checked in a practical test. For this purpose, the terminal points of the modular terminal blocks must be repeatedly connected without loss of quality. Solid conductors with the rated cross section are therefore used to connect and disconnect the terminal block five times over with the torque specified in the manufacturer's information. This is done on the middle terminal block of a block of five. Before and after the test, a voltage-drop test must be passed. The terminal point must withstand reconnection without recognizable damage, and the voltage drop must not exceed 3.2 mV or 1.5 times the initially measured value before or after the test. Modular terminal blocks from Phoenix Contact are suitable for repeated connection without any recognizable loss of quality. The extent of possible connections and disconnections can reach up to 5000 cycles, depending on the connection technology.

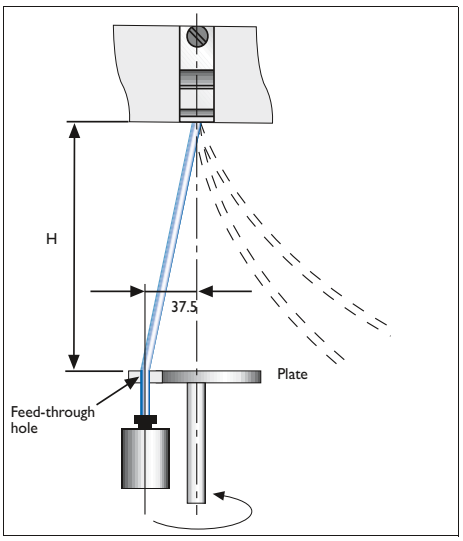
Bending test - flexion test

IEC 60947-7-1/-2

Correctly wired modular terminal blocks must offer a high degree of mechanical safety. This includes the reliable clamping of the conductor. Therefore, tests are performed with solid and stranded wires with the smallest cross section, with the rated cross section, and with the maximum cross section. A vertically fixed terminal block is connected to a conductor. At the end of the conductor, a test weight corresponding to the cross section is attached. The conductor is fed through a central 37.5 mm aperture in a rotating disc and turned about its own axis 135 times. This procedure must not damage the clamping area on the conductor. Afterwards, the contact must pass a conductor pull-out test. Modular terminal blocks from Phoenix Contact are designed to ensure that the conductor makes contact in the clamping area gently. This prevents damage to the conductor and contact point,

Cross section	AWG	Spacing H	Load
0.2 mm^2	24	260 mm	0.3 kg
...	...	...	...
4 mm^2	12	279 mm	0.9 kg
...	...	...	...
240 mm^2	500	464 mm	20.0 kg

which still have the same properties even after repeated clamping.



Test equipment according to the standard

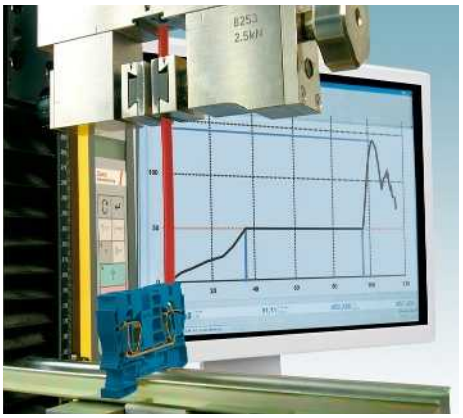
Conductor pull-out test

IEC 60947-7-1/-2

In practice, tensile forces can affect the terminal point during wiring or operation. Therefore, modular terminal blocks must be wired correctly to offer a high degree of mechanical safety. To test the tensile load capacity of a terminal point, the terminal point must withstand a given tensile force based on the cross section for over 60 seconds. This test is performed after the bending test. Performing these two tests directly one after the other intensifies the requirements. The tensile force exerts stress on the conductor at the terminal point. The conductor must be held without causing damage. The test results for Phoenix Contact modular terminal blocks are up to 150% above the required minimum values.

Conductor pull-out forces in acc. with IEC 60999/EN 60999/VDE 0609-1, Table III (up to 35 mm²)

Conductor cross section		Tensile force
[mm²]	AWG/kcmil	[N]
0.2 –	24 22	10 20
0.5 0.75	20 18	15 30
1.0 1.5	– 16	35 40
2.5 4.0	14 12	50 60
6.0 10	10 8	80 90
16 25	6 4	100 135
– 35	3 2	156 190
– 50	1 0	236 236
70 95	00 000	285 351
– 120	0000 250	427 427
150 185	300 350	427 503
– 240	400 500	503 578
300	600	578



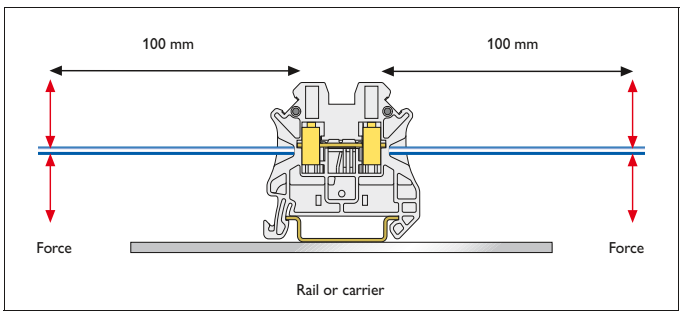
Absorption of tensile force at a 10 mm² spring-cage terminal block.

Tight fit of modular terminal block

IEC 60947-7-1/-2

Besides the reliable connection of the conductor, the modular terminal block itself must be able to withstand forces without coming loose from its carrier. Furthermore, no unacceptable damage may occur. To test whether the fit is tight, a modular terminal block is mounted on a standard DIN rail in accordance with the manufacturer's information. Then steel rods with a length of 150 mm are clamped into the terminal points. Tensile and pressure forces based on the cross section are exerted on the terminal points and the latching of the terminal block with a lever distance of 100 mm. The modular terminal block must not come loose or break off the rail. The structural design of the modular terminal blocks from Phoenix Contact ensures a reliable tight fit on different DIN rail systems.

Cross section [mm²]	Cross section AWG	Force [N]	Diameter of the steel rod [mm]
0.75	18	1	1.0
1		1	1.0
1.5	16	1	1.0
2.5	14	1	1.0
4	12	1	1.0
6	10	5	2.8
10	8	5	2.8
35	2	10	5.7
50	0	10	5.7
240	500 kcmil	20	20.5



DIN rails

DIN rails/grounding busbars
Extract from IEC 60947-7-2/EN 60947-7-2/DIN EN 60947-7-2/VDE 0611-3

Phoenix Contact type	Rail profile	Material	Short circuit stability ≙ E CU conductor [mm²]*	Short-time current resistance 1 s [kA]	Max. permissible thermal nominal current for PEN function [A]
NS 15 UNPERF 2000MM	DIN rail according to EN 60715 – 15 x 5.5	Steel	10	1.2	* *
NS 15 PERF 2000MM	DIN rail according to EN 60715 – 15 x 5.5	Steel	10	1.2	* *
NS 15-AL PERF 2000MM	DIN rail, dimensions according to EN 60715 – 15 x 5.5	Aluminum	16	1.92	76
NS 32 UNPERF 2000MM	G-profile rail acc. to EN 60715 – G 32	Steel	35	4.2	* *
NS 32 PERF 2000MM	G-profile rail acc. to EN 60715 – G 32	Steel	35	4.2	* *
NS 32-CU/35 QMM UNPERF 2000MM	G-profile rail, dimensions acc. to EN 60715 – G 32	Copper	120	14.4	269
NS 32-CU/120 QMM UNPERF 2000MM	G-profile rail, similar to EN 60715 – G 32	Copper	150	18.0	309
NS 35/7,5 UNPERF 2000MM	DIN rail according to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 PERF 2000MM	DIN rail according to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 ZN UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 ZN PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 V2A UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5-CU UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Copper	50	6.0	150
NS 35/7,5-AL UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Aluminum	35	4.2	125
NS 35/15-2,3 UNPERF 2000MM	DIN rail according to EN 60715 – 35 x 15	Steel	50	6.0	* *
NS 35/15 UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15 PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15 ZN UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15 ZN PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15-CU UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Copper	95	11.4	232
NS 35/15-AL UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Aluminum	70	8.4	192

* Cross sections calculated according to IEC 60439-1/EN 60439-1/DIN EN 60439-1/VDE 0660-500.
* * Grounding busbars made from steel are not permitted for the PEN function.

Air and creepage distances

IEC 60947-7-1/UL 1059

Carrying out a dimensional check of air and creepage distances confirms that electrical insulation properties are adequate with respect to the following:

– Application
– Expected contamination
– Ambient conditions

The minimum distances are defined in IEC 60947-1 and UL 1059.

The distance is verified by measuring between two neighboring modular terminal blocks and the carrier, taking into account the shortest distances.

For the clearance, this means:

It is the shortest distance in the air between two conductive parts. The deciding factors for rating the minimum clearance values are the rated surge voltage and the surge voltage category of the modular terminal block.

For the creepage distances, this means:

It is the shortest distance along the insulating body between two conductive parts. The deciding factors for determining the minimum creepage distance are the rated voltage, the pollution degree, and the insulation material group of the modular terminal block.

The minimum values can be taken from the tables of the relevant standards.

IEC 60947-7-1

Phoenix Contact modular terminal blocks are designed with surge voltage category III and pollution degree 3 with the required distances.

UL 1059

Phoenix Contact modular terminal blocks are generally designed for a nominal voltage of 600 V in Use Group C.

UL Use Group	Definition	Max. voltage [V]
A	Operating elements, consoles, and similar	150 300 600
B	Conventional devices, including office and electronic data processing equipment and similar	150 300 600
C	Industrial applications, without restrictions	150 300 600
D	Industrial applications, operating equipment with limited rating	300 600

Detailed information can be found in the data sheets or the catalog documentation.

Insulation coordination for electrical equipment within low-voltage systems

Dimensioning of air and creepage distances according to DIN EN 60664-1/ VDE 0110-1.

This part of the standard, based on IEC 60664, contains specifications for the insulation coordination of items of equipment in low-voltage systems. This part is applicable for items to be used at a height of up to 2000 m above sea level. This basic safety standard is primarily aimed at technical committees, and if suitable product directives are not available for an item, it can be used at one's own responsibility. International and European product standards cited in this catalog contain specifications for insulation coordination in accordance with DIN EN 60664/VDE 0110-1.

Insulation coordination

Insulation coordination includes the selection of electrical insulation properties for items as regards intended applications and ambient conditions. Separate requirements must be applied for air and creepage distances and for rigid insulation. The surge voltages to be expected, characteristics of surge protective devices, and pollution at the intended site must be considered when dimensioning clearances. Clearances are then dimensioned according to the external or internal surge voltages to be expected. Different surge voltages, grouped into categories, i.e., a value that determines an impulse withstand voltage, ascertain the required clearance directly. These surge voltage categories (I to IV) are mainly based on a statistical study, and are used for the items that are directly supplied by low-voltage networks. Definitions of the individual categories are provided below as an extract of DIN EN 60664/VDE 0110-1.

The clearances can be calculated according to Table 2 (minimum clearances) depending on the homogeneity level of the field between the electrodes (case A – non-homogeneous field, case B – homogeneous field).

Clearances according to case A are capable of withstanding the assigned surge voltages under all conditions. Items that are dimensioned according to case A can therefore be used without any further testing. Clearance values according to case B are based on ideal conditions. Clearance values which fall between case A and case B must be proven by means of a surge voltage test.

The voltages present, the properties of insulation materials, the pollution to be expected, and safety measures against pollution are considered when dimensioning creepage distances.

The effect of pollution is considered when determining the air and creepage distances according to three intensity levels (pollution degree 1 to 3).

The creepage distance is based on the rated voltage that is derived from the working voltage or nominal mains voltage. The minimum creepage distances are assigned to the rated voltages according to the pollution degree in Table 4.

If the respective product descriptions do not contain any additional specifications, the products presented in this catalog are dimensioned for surge voltage category III and pollution degree 3 according to this regulation (DIN EN 60664-1/VDE 0110-1).

Surge voltage categories I to IV

– Items in **surge voltage category IV** can be used at the terminal point of the installation.
  Note: examples of such items include electricity meters and primary devices for overcurrent protection.
– Items in **surge voltage category III** can be used in fixed installations and are intended for such cases where there are special requirements for the reliability and availability of the items.
  Note: examples of such items include switches in fixed installations and items for industrial use with permanent connection to the fixed installation.
– Items in **surge voltage category II** are power-consuming items that are supplied by the fixed installation.
  Note: examples of such items include household appliances, portable tools, other domestic appliances, and similar devices.
– Items in **surge voltage category I** can be connected to circuits where measures have been taken to limit the surge voltages to a suitable lower value.

Pollution degrees 1 to 4

The following four pollution degrees have been defined for the micro-environment in order to determine air and creepage distances:

– **Pollution degree 1**
  No contamination or only dry, non-conductive contamination is present. The contamination has no influence.
– **Pollution degree 2**
  Only non-conductive contamination is present. Temporary conductivity due to condensation must occasionally be taken into consideration, however.
– **Pollution degree 3**
  Conductive contamination or dry, non-conductive contamination is present which becomes conductive, since condensation is expected.
– **Pollution degree 4**
  Permanent conductivity is present, caused by conductive dust, rain or moisture.

Insulation material

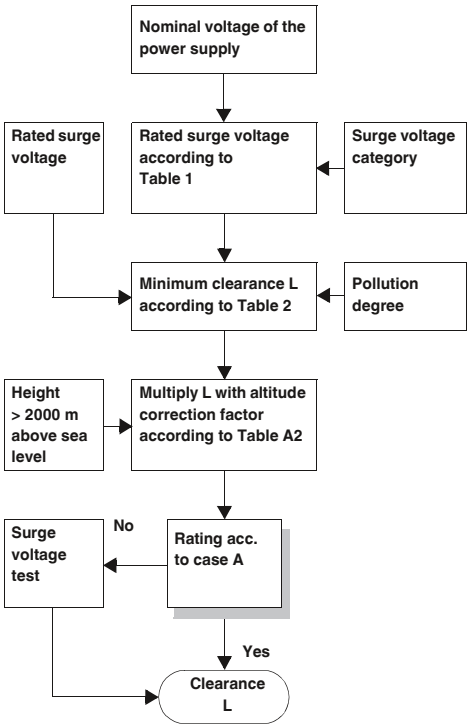
DIN EN 60664/VDE 0110-1 classifies insulation materials into four groups depending on their CTI values that were obtained using solution A in accordance with IEC 60112. These are:
Insulation material group I:
$600 \leq CTI$
Insulation material group II:
$400 \leq CTI \leq 600$
Insulation material group IIIa:
$175 \leq CTI < 400$
Insulation material group IIIb:
$100 \leq CTI < 175$

The comparative tracking index of the creepage distance must have been determined based on suitable samples using test solution A as specified in DIN IEC 60112.

The proof tracking index of the creepage distance (PTI) is used as proof of the creepage current properties of insulation materials.

Dimensioning of clearances

Schematic for determining clearances



Rated surge voltages for items that are directly supplied by the low-voltage network (extract from Table 1)

Nominal voltage of the power supply system [1] (mains) acc. to IEC 60038 [3]		Conductor-neutral conductor voltage derived from the total nominal AC voltage or nominal DC voltage	Rated surge voltage [2] [V]			
			Surge voltage category [4]			
Three-phase [V]	Single-phase [V]	[V]	I	II	III	IV
	120 to 240	50	330	500	800	1500
		100	500	800	1500	2500
		150	800	1500	2500	4000
230/400 277/480		300	1500	2500	4000	6000
400/690		600	2500	4000	6000	8000
1000		1000	4000	6000	8000	12000

[1]) Refer to Appendix B for application in existing deviating low-voltage networks and their nominal voltages.

[2]) Items with this rated surge voltage may be used in systems in accordance with IEC 60364-4-443.

[3]) The slash, i.e., /, indicates a three-phase four-conductor system. The lower value is the conductor-to-neutral conductor voltage, whereas the higher value is the conductor-to-conductor voltage. When only one value is specified, it refers to a three-phase three-conductor system, and indicates the conductor-to-conductor voltage.

[4]) Refer to 2.2.2.1.1 for an explanation of surge voltage categories.

Minimum clearances for surge voltages (extract from Table 2)

Required impulse withstand voltage [1] [5]	Condition A Non-homogeneous field (refer to 1.3.15)			Condition B Homogeneous field (refer to 1.3.14)		
	Pollution degree [6]			Pollution degree [6]		
	1 [mm]	2 [mm]	3 [mm]	1 [mm]	2 [mm]	3 [mm]
0.33 [2])	0.01	0.2 [3]) [4])	0.8 [4])	0.01	0.2 [3]) [4])	0.8 [4])
0.40	0.02			0.02		
0.5 [2])	0.04			0.04		
0.60	0.06			0.06		
0.80 [2])	0.10			0.10		
1.0	0.15			0.15		
1.2	0.25	0.25		0.2		
1.5 [2])	0.5	0.5		0.3	0.3	
2.0	1.0	1.0	1.0	0.45	0.45	
2.5 [2])	1.5	1.5	1.5	0.6	0.6	
3.0	2.0	2.0	2.0	0.8	0.8	
4.0 [2])	3	3	3	1.2	1.2	1.2
5.0	4	4	4	1.5	1.5	1.5
6.0 [2])	5.5	5.5	5.5	2	2	2
8.0 [2])	8	8	8	3	3	3
10	11	11	11	3.5	3.5	3.5
12,[2])	14	14	14	4.5	4.5	4.5
15	18	18	18	5.5	5.5	5.5
20	25	25	25	8	8	8
25	33	33	33	10	10	10
30	40	40	40	12.5	12.5	12.5
40	60	60	60	17	17	17
50	75	75	75	22	22	22
60	90	90	90	27	27	27
80	130	130	130	35	35	35
100	170	170	170	45	45	45

[1]) This voltage is:
– For function insulation: the highest surge voltage expected for the clearance
– For basic insulation, if influenced directly or considerably by surge voltages from the low-voltage network: the item's rated surge voltage
– For a different basic insulation: the highest surge voltage possible in the circuit

[2]) Preferred values

[3]) For PCBs, the values of pollution degree 1 are applicable, except that no deviation below the value of 0.04 mm is permitted, as specified in Table 4.

[4]) Minimum clearances for pollution degrees 2 and 3 are based on the corresponding creepage distances. This resistance is reduced due to the effects of humidity.

[5]) Values can be interpolated for parts or circuits within items that are subjected to surge voltages.

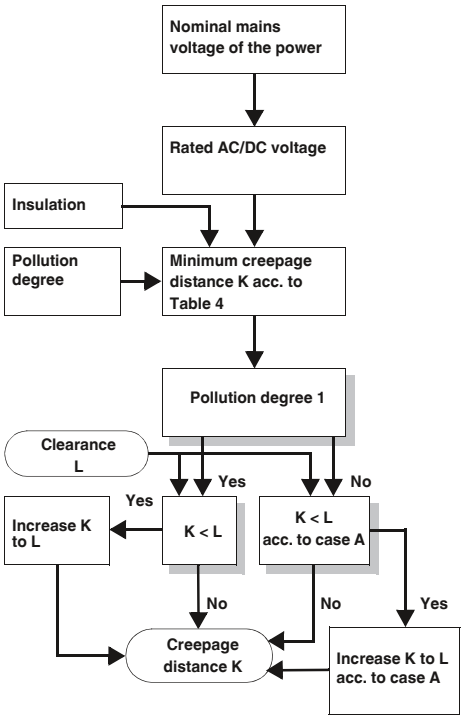
[6]) The distances for pollution degree 4 are equal to those for pollution degree 3, except that the minimum clearance is 1.6 mm.

Altitude correction factors (extract from Table A.2)

Height in m	Normal air pressure in kPa	Multiplication factor for gaps
2000	80.0	1.00
3000	70.0	1.14
4000	62.0	1.29
5000	54.0	1.48
6000	47.0	1.70
7000	41.0	1.95
8000	35.5	2.25
9000	30.5	2.62
10000	26.5	3.02
15000	12.0	6.67
20000	5.5	14.50

Dimensioning of creepage distances

Schematic for determining creepage distances



Single-phase three or two-conductor AC or DC voltage systems (extract from Table 3a)

Nominal voltage of the power supply system (mains) *)	Voltages for Table 4	
	for conductor-conductor insulation [1]	for conductor-ground insulation [1]
	All systems	Three-conductor systems center point grounded
[V]	[V]	[V]
12.5	12.5	–
24 25	25	–
30	32	–
42 48 50 **)	50	–
60	63	–
30 - 60	63	32
100 **)	100	–
110 120	125	–
150 **)	160	–
220	250	–
110 - 220 220 - 240	250	125
300 **)	320	–
220 - 440	500	250
600 **)	630	–
480 - 960	1000	500
1000 **)	1000	–

[1]) Conductor-ground insulation levels for non-grounded systems or those grounded through impedance correspond to conductor-conductor insulation levels as the operating voltage of every conductor to ground can, in practice, reach the conductor-conductor voltage. This is due to the fact that the actual voltage to ground is determined by the insulation resistance and the capacitive reactance of each conductor to ground. A low (but permissible) insulation resistance of one conductor can thereby practically ground it and increase the other two to conductor-conductor voltage to ground.

*) Refer to 2.2.1 for correlation with the rated voltage.

**) These values correspond to the values in Table 1.

Three-phase four or three-conductor AC voltage systems (extract from Table 3b)

Nominal voltage of the power supply system (mains) *)	Voltages for Table 4		
	for conductor-conductor insulation	Insulation for conductor-ground	
		Three-phase four-conductor systems with grounded neutral conductor [2])	Three-phase three-conductor systems non-grounded [1]) or conductor grounded
	All systems		
[V]	[V]	[V]	[V]
60	63	32	63
110/120/127	125	80	125
150 **)	160	–	160
208	200	125	200
220/230/240	250	160	250
300 **)	320	–	320
380/400/415	400	250	400
440	500	250	400
480/500	500	320	500
575	630	400	630
600 **)	630	–	630
660/690	630	400	630
720/830	800	500	800
960	1000	630	1000
1000 **)	1000	–	1000

[1]) Conductor-ground insulation levels for non-grounded systems or those grounded through impedance correspond to conductor-conductor insulation levels as the operating voltage of every conductor to ground can, in practice, reach the conductor-conductor voltage. This is due to the fact that the actual voltage to ground is determined by the insulation resistance and the capacitive reactance of each conductor to ground. A low (but permissible) insulation resistance of one conductor can thereby practically ground it and increase the other two to conductor-conductor voltage to ground.

[2]) For items designed for use in three-phase four-conductor and three-phase three-conductor systems, grounded as well as non-grounded, only the values for three-conductor systems may be used.

*) Refer to 2.2.1 for correlation with the rated voltage.

**) These values correspond to the values in Table 1.

Creepage distances to prevent failures occurring due to creepage (extract from Table 4)

Voltage [1])	Minimum creepage distances								
	Printed circuits Pollution degree		Pollution degree						
	1	2	1	2			3		
r.m.s. value	All insulation material groups	All insulation material groups except IIIb	All insulation material groups	Insulation material group			Insulation material group		
				I	II	III	I	II	III [2])
[V]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
10	0.025	0.04	0.08	0.40	0.40	0.40	**1.00**	**1.00**	**1.00**
12.5	0.025	0.04	0.09	0.42	0.42	0.42	**1.05**	**1.05**	**1.05**
16	0.025	0.04	0.10	0.45	0.45	0.45	**1.10**	**1.10**	**1.10**
20	0.025	0.04	0.11	0.48	0.48	0.48	**1.20**	**1.20**	**1.20**
25	0.025	0.04	0.125	0.50	0.50	0.50	**1.25**	**1.25**	**1.25**
32	0.025	0.04	0.14	0.53	0.53	0.53	**1.30**	**1.30**	**1.30**
40	0.025	0.04	0.16	0.56	0.80	1.10	**1.4**	**1.6**	**1.8**
50	0.025	0.04	0.18	0.60	0.85	1.20	**1.5**	**1.7**	**1.9**
63	0.040	0.63	0.20	0.63	0.90	1.25	**1.6**	**1.8**	**2.0**
80	0.063	0.10	0.22	0.67	0.95	1.3	**1.7**	**1.9**	**2.1**
100	0.10	0.16	0.25	0.71	1.00	1.4	**1.8**	**2.0**	**2.2**
125	0.16	0.25	0.28	0.75	1.05	1.5	**1.9**	**2.1**	**2.4**
160	0.25	0.40	0.32	0.80	1.1	1.6	**2.0**	**2.2**	**2.5**
200	0.40	0.63	0.42	1.00	1.4	2.0	**2.5**	**2.8**	**3.2**
250	0.56	1.00	0.56	1.25	1.8	2.5	**3.2**	**3.6**	**4.0**
320	0.75	1.60	0.75	1.60	2.2	3.2	**4.0**	**4.5**	**5.0**
400	1.00	2.00	1.00	2.00	2.8	4.0	**5.0**	**5.6**	**6.3**
500	1.30	2.50	1.30	2.50	3.6	5.0	**6.3**	**7.1**	**8.0**
630	1.80	3.20	1.8	3.2	4.5	6.3	**8.0**	**9**	**10.0**
800	2.40	4.00	2.4	4.0	5.6	8.0	**10.0**	**11**	**12.5**
1000	3.20	5.00	3.2	5.0	7.1	10	**12.5**	**14**	**16.0**
1250			4.2	6.3	9	12.5	**16**	**18**	**20**
1600			5.6	8	11	16	**20**	**22**	**25**
2000			7.5	10	14	20	**25**	**28**	**32**
2500			10	12.5	18	25	**32**	**36**	**40**
3200			12.5	16	22	32	**40**	**45**	**50**
4000			16	20	28	40	**50**	**56**	**63**
5000			20	25	36	50	**63**	**71**	**80**
6300			25	32	45	63	**80**	**90**	**100**
8000			32	40	56	80	**100**	**110**	**125**
10000			40	50	71	100	**125**	**140**	**160**

[1]) This voltage is:
a) For function insulation: the working voltage
b) For basic and additional insulation of a circuit supplied directly by the low-voltage network: either the voltage selected from Table 3a or 3b on the basis of the rated voltage of the equipment or the rated insulation voltage
c) For basic and additional insulation of systems, equipment and internal circuits which are not supplied directly from the mains: the highest r.m.s. value of the voltage that, within the bounds of the rated data, can occur in the system, the equipment or the internal circuit, when supplied with rated voltage and in the case of the most unfavorable combination of operating conditions.

[2]) With pollution degree 3, insulation material group IIIb is not recommended for use if voltages are greater than 630 V.

Insulation test

IEC 60947-7-1/-2/UL 1059

This test is an electrical test to prove that there are sufficient creepage distances.

To test that the distances between the potentials of two neighboring modular terminal blocks and between a modular terminal block and the DIN rail are sufficient, an appropriate test voltage is applied.

Rated insulation voltage (U_i)

The r.m.s. or DC voltage value that is permanently acceptable as a maximum when correctly used.

The test voltage must be maintained for over 60 seconds. The assignment illustrated in the table is to be used as a basis.

Rated insulation voltage U_i [V]	Test voltage (r.m.s.) [V]
$U_i \leq 60$	1000
$60 < U_i \leq 300$	1500
$300 < U_i \leq 690$	1890
$690 < U_i \leq 800$	2000
$800 < U_i \leq 1000$	2200
$1000 < U_i \leq 1500$	

IEC 60947-7-1/-2

No sparkover or disruptive discharge may occur during testing. Creepage currents must stay below 100 mA.

UL 1059

Test voltage = 1000 V + 2 x rated insulation voltage U_i

Modular terminal blocks from Phoenix Contact with a rated insulation voltage of 800 V consistently pass the insulation test with 2000 V~.

Surge voltage test

IEC 60947-7-1/-2

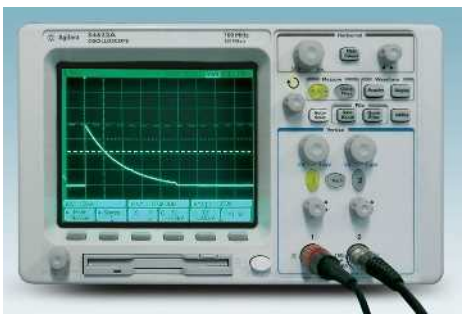
Proof of sufficiently large clearances between two neighboring potentials is provided by means of the surge voltage test.

The test is carried out with the surge voltage five times at intervals of at least 1 s for all polarities in relation to the rated insulation voltage.

The distance between neighboring modular terminal blocks or between the modular terminal block and rail is examined.

There must be no unintentional sparkovers during the test.

Rated surge voltages for Phoenix Contact modular terminal blocks are between 6 and 8 kV. Operationally reliable use of the documented operating voltages of the terminal blocks is thereby effectively confirmed.



The oscilloscope shows the time curve for the surge voltage pulse

Voltage-drop test

IEC 60947-7-1/-2

In every terminal point of a modular terminal block, one or more conductors are connected - depending on the connection technology. Current transfer is strongly affected by the electrical resistance between the conductor and the current bar. High-quality contacts create a gas-tight connection. This is the only way to ensure a permanent and reliable connection. This electrical test therefore determines the voltage drop on a modular terminal block (two terminal points). Conclusions regarding the contact resistance and the contact quality can therefore be made.

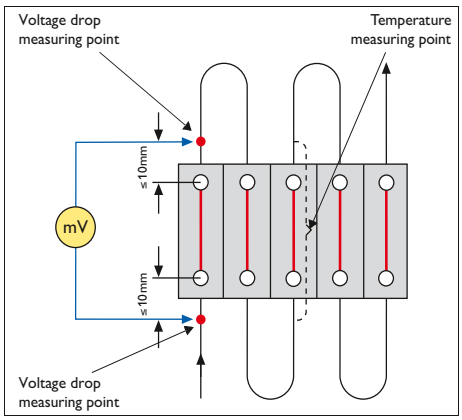
The modular terminal blocks are wired with the rated cross section. For measuring purposes, the terminal blocks are charged with a direct test current corresponding to 0.1 times the current carrying capacity of the rated cross section. The voltage drop is picked off at a distance ≤ 10 mm from the middle of the terminal point (see diagram).

At a room temperature of ~20°C, the voltage drop must not exceed 3.2 mV per modular terminal block before or after the test, nor must it exceed 1.5 times the value measured at the start of the test.

Modular terminal blocks from Phoenix Contact are up to 60% below the limit values required by standards.



Voltage pick-off on a screw terminal block



Rated cross section in [mm²]	Current carrying capacity [A]	Rated cross section AWG	Current carrying capacity [A]
0.2	4	24	4
0.5	6	20	8
0.75	9	18	10
1	13.5	-	-
1.5	17.5	16	16
2.5	24	14	22
4	32	12	29
6	41	10	38
10	57	8	50
16	76	6	67
35	125	2	121
50	150	0	162
95	232	0000	217
150	309	00000	309
240	415	500 MCM	415

Temperature-rise test

IEC 60947-7-1/-2/UL 1059

The rise in temperature of a modular terminal block must be kept to an absolute minimum.

The contact resistance must therefore be as low as possible. This test is used to document the rise in temperature that occurs at room temperature during exposure to a test current.

IEC 60947-7-1/-2

Five terminal blocks are horizontally mounted on a rail and connected in series using conductor loops with the rated cross section, each measuring 1 or 2 m in length. The modular terminal blocks are exposed to a test current that is as high as the current carrying capacity of the rated cross section. The rise in temperature on the middle terminal block is documented (see figure: voltage-drop test, page 721).

Assuming a room temperature of ~20°C, a maximum rise in temperature of 45 K is permitted in the terminal block. Additionally, a voltage-drop test must be performed on the terminal block as a final step.

UL 1059

The process basically corresponds to the IEC test, only the conductor lengths differ. Three terminal blocks are horizontally mounted adjacent to one another. The measurement is taken at an ambient temperature of 25°C, whereby a maximum rise in temperature of 30 K (measured as close as possible to the terminal point) is permitted. Due to the high-quality contact materials used in modular terminal blocks from Phoenix Contact, all connection technologies offer lower heating values than required by the specified standards.

Current carrying capacity

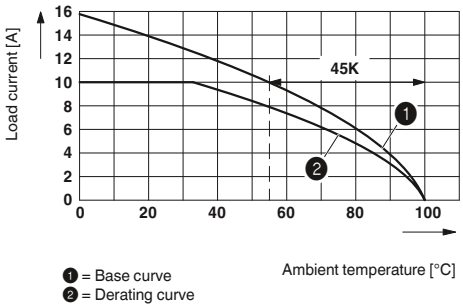
Standard IEC 60947-7-1/EN 60947-7-1/ DIN VDE 0611-1 specifies the test currents for the individual conductor cross sections listed in the adjacent table. The corresponding currents are listed with the connection data for the individual terminal blocks. The type tests for modular terminal blocks are based on this data.

Test currents according to IEC 60947-7-1/EN 60947-7-1, Table 5

Rated cross section	[mm²]	0.2	0.5	0.75	1.0	1.5	2.5	4	6	10	16
Test current	[A]	4	6	9	13.5	17.5	24	32	41	57	76

Rated cross section	[mm²]	25	35	50	70	95	120	150	185	240	300
Test current	[A]	101	125	150	192	232	269	309	353	415	520

Base and derating curve, test setup, ambient temperature



To determine the current carrying capacity of plug-in modular terminal blocks, arrangements with a variety of positions are selected, which are electrically connected in series using conductors with the same cross section. For the practical determination of the derating curves, the current carrying capacity of the plug-in modular terminal blocks is determined in accordance with DIN EN 60512-5-1. Here, after applying various currents (e.g., 10 A, 17.5 A, 24 A, and 32 A) and setting the temperature balance, the maximum temperature increase that occurs on the test objects is measured.

When the upper temperature limit of the insulation material – here, always assumed to be 100°C – is taken into account, these values yield a derating curve dependent on the ambient temperature: the "base curve".

An adjusted capacity curve – the "derating curve" – is generated in accordance with DIN EN 60512-5-2. In accordance with this standard, the permissible load current is 0.8 times the respective base current. The derating factor "...takes into account manufacturing tolerances in the contact system of plug-in connectors as well as uncertainties in the temperature measurement and the measuring arrangement...". For the majority of items in this catalog, derating curves are given for 2, 5, 10, and 15-pos. arrangements.

SCCR – short-circuit current rating

SCCR – short-circuit current rating

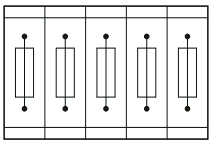
As of April 2006, the NEC (National Electrical Code) has required the short circuit stability of industrial controllers to be specified. This SCCR (short-circuit current rating) can be calculated with the help of UL 508A and must be specified for all main circuits and for the supply of the control voltage on the rating plate of all industrial switchgear in the USA. Standard values for non-specified components are listed in UL 508A – Table SB 4.1. A value of 10 kA is assumed for modular terminal blocks. Phoenix Contact offers a wide range of products with considerably higher SCCR values than this. The modular terminal blocks in the CLIPLINE complete system are all documented as having SCCR values of 100 kA.

The SCCR values for modular terminal blocks from Phoenix Contact are listed in detail in UL file number E60425. The UL file is stored in and can be retrieved from the UL database via the following link:

http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.html

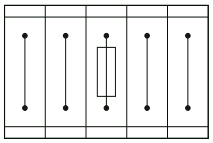
Technical information - fuse terminal blocks

Fuse terminal blocks in interconnected arrangement



Block consisting of 5 fuse terminal blocks

Arrangement with individual fuse terminal block



Block consisting of one fuse terminal block and 4 feed-through terminal blocks

Note:
The cartridge fuse holders should be selected according to the maximum power dissipation (self-heating) of the cartridge fuse inserts. The thermal conditions in closed fuse holders should be checked according to the application and installation.
Higher ambient temperatures
put additional strain on fuse inserts. In applications of this kind, the shift of the rated current should be taken into consideration accordingly.

Max. power dissipation at 23°C (in accordance with DIN EN 60947-7-3: 2009-4)

When selecting cartridge fuse inserts, please ensure that the maximum power dissipation specified below is not exceeded. Details can be obtained from the fuse manufacturers.

Cartridge fuse inserts 5 x 20 mm, in accordance with DIN EN 60947-7-3:2009-4
Technical data on the power dissipation of further fuse terminal block types can be found at www.phoenixcontact.net/products
[1]) The rated operating voltage is determined by the selected cartridge fuse insert.

Terminal block or plug	U [1]) [V]	Overload protection		Short-circuit protection only		I_{max} [A]
		Individual	Interconnected	Individual	Interconnected	
P-FU 5X20-5	400	1.6 W	1.6 W	4.0 W	2.5 W	6.3
P-FU 5 x 20	400	1.6 W	1.6 W	4.0 W	2.5 W	6.3
PT 4-HESI (5 x 20)	400	1.6 W	1.6 W	4.0 W	2.5 W	6.3
UT 4-HESI (5 x 20)	500	1.6 W	1.6 W	4.0 W	2.5 W	6.3
ST 4-HESI (5 x 20)	500	1.6 W	1.6 W	4.0 W	2.5 W	6.3
ZFK 6-DREHSI (5 x 20)	800	4.0 W	2.5 W	4.0 W	4.0 W	6.3
QTC 2,5-HESI (5 x 20)	500	1.6 W	1.6 W	4.0 W	2.5 W	6.3
UK 10-DREHSI	800	4.0 W	2.5 W	4.0 W	4.0 W	10
USIG with ST-SI	500	2.5 W	2.5 W	4.0 W	4.0 W	6.3
UK-SI	400	1.6 W	1.6 W	4.0 W	2.5 W	6.3
UK 5-HESI	800	2.5 W	2.5 W	4.0 W	2.5 W	6.3
UKK 5-HESI (5 x 20)	400	2.5 W	1.6 W	4.0 W	2.5 W	6.3
UK 4-TG with ST-SI-UK 4	250	1.6 W	1.6 W	4.0 W	1.6 W	6.3
Cartridge fuse inserts 6.3 x 32 mm in accordance with DIN EN 60947-7-3:2009-4 **Technical data on the power dissipation of further fuse terminal block types can be found at www.phoenixcontact.net/products**						
UT 6-HESI (6,3 x 32)	630	2.5 W	2.5 W	4.0 W	2.5 W	10
ST 4-HESI (6,3 x 32)	500	2.5 W	2.5 W	4.0 W	2.5 W	10
ZFK 6-DREHSI (6,3 x 32)	500	2.5 W	2.5 W	4.0 W	2.5 W	10
UK 10-DREHSI	400	2.5 W	2.5 W	4.0 W	2.5 W	10
USIG with ST1-SI	500	2.5 W	2.5 W	4.0 W	2.5 W	10
UK 6,3-HESI	500	2.5 W	1.6 W	4.0 W	2.5 W	10
UKK 5-HESI (6,3 x 32)	400	2.5 W	1.6 W	4.0 W	2.5 W	10

Short-time current resistance

IEC 60947-7-1/-2

Modular terminal blocks must, in practice, also be capable of resisting short-circuit currents until the relevant safety equipment cuts off the current without sustaining any damage. This can take up to several tenths of a second.

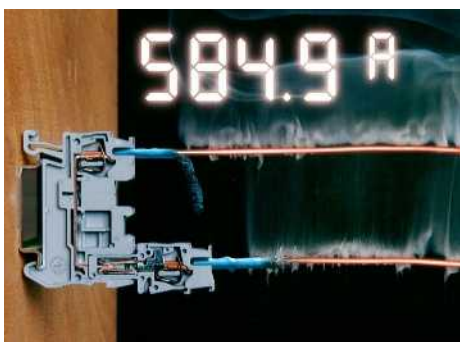
For testing purposes, a modular terminal block is mounted on the carrier and wired to a conductor with the rated cross section.

Modular terminal blocks are subjected in three stages of 1 s to a current density of 120 A/mm^2 with the rated cross section.

The requirements are met if, after the test, the single parts are undamaged and their further use is guaranteed.

Before and after the test, the modular terminal block must pass the voltage-drop test. The voltage drop before and after the test must not exceed 3.2 mV per modular terminal block nor must it exceed 1.5 times the value measured before the test.

In the case of a 240 mm^2 high-current terminal block from Phoenix Contact, a test current of 28,800 A is passed through the terminal block for one second without loss of quality.



Maximum contact reliability, even under extreme overload – illustrated with a plug-in spring-cage terminal block

Aging test

IEC 60947-7-1/-2

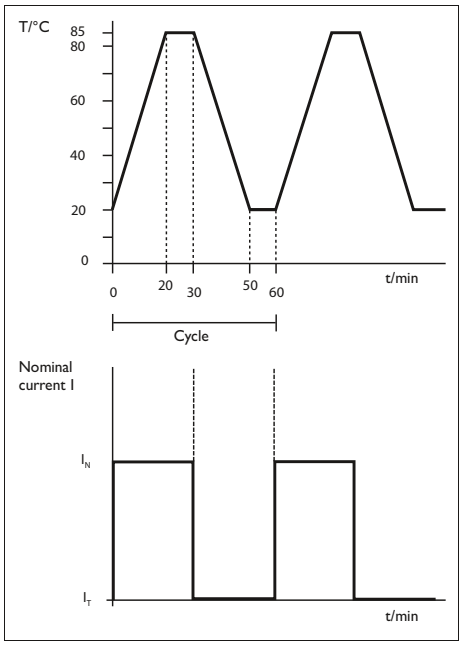
From the point of view of long life cycles of the modular terminal blocks, the aging behavior also plays an important role.

In this test, the contact quality is verified by means of simulated aging.

To simulate several years of use, five modular terminal blocks are mounted horizontally on a rail and connected in series using conductors with the rated cross section. Conductors with a minimum length of 300 mm are connected and the voltage drop is measured on every modular terminal block. The minimum temperature in the climate cabinet is set to 20°C and the maximum temperature to 85°C. During the heating phase and the 10-minute pause phase with maximum temperature, the rated current flows. As a result, the maximum permissible operating temperature of the test object (130°C maximum) is reached. The cooling down phase follows. The voltage drop is always measured after 24 cycles in the cooled down state (approximately 20°C). The test consists of a total of 192 cycles.

The voltage drop must not exceed 3.2 mV initially. During or after testing, it must not exceed 4.8 mV or 1.5 times the value measured after the 24th cycle.

Modular terminal blocks from Phoenix Contact are designed for extreme durability even under difficult temperature conditions. Plastic as well as metal parts provide sufficient safety reserves.





Current and temperature in relation to time

Corrosion test

DIN 50018

The key role of the metal parts of electrical connections becomes particularly apparent in aggressive environments. Corrosion-free contact areas are a prerequisite for low-resistance and therefore high-performance connections. This test method describes a corrosion test in condensation climates with an atmosphere that contains sulfur dioxide. Acidic compounds < Ph 7 form during the test and attack the metal surfaces. Two liters of distilled water and one liter of SO_2 gas are introduced into the test chamber. At a test temperature of 40°C, sulfurous acid forms during the test.

After eight hours of testing, the test objects dry for 16 hours with the door open. At the end of the test, the test objects are visually inspected, and the contact resistance is measured in order to show the influence of this corrosion test on the contact point in more detail. Phoenix Contact modular terminal blocks create high-quality, gas-tight connections that cannot be impaired even by aggressive substances.



Environmental testing methods

IEC 60068-2-42/43

The mechanical and electrical service life of modular terminal blocks is directly dependent on the metal parts and insulating materials used. To evaluate the climatic effects on electrical connections, modular terminal blocks are subjected to various environmental simulation tests. The conductor contact points, the knife disconnect points, and the test contacts are included in these tests. The contact resistance values, the secure fit of the conductor, and the visual assessment of the contact points after each test serve as evaluation criteria.

– 10-day storage in aggressive SO_2 industrial atmospheres at 25°C and 75% humidity
– 4-day storage in aggressive H_2S atmospheres at 25°C and 75% humidity

After the test has been completed, the contact resistance must not exceed 1.5 times the initial value. The function of the terminal block must be ensured without any limitation. The high standard of quality of Phoenix Contact modular terminal blocks is achieved by using corrosion-resistant, high-grade copper alloys.

Salt spray

IEC 60068-2-11/-52

Particularly in shipbuilding, technical components have to function continuously in corrosive atmospheres. The salt content of the air combined with the increased humidity places high demands on the metal parts used. The impact of the climate at sea can be simulated on the basis of the above standard.

The resistance of the materials in a corrosive atmosphere is tested using salt spray. The test objects are placed in the test chamber and subjected to a finely dosed spray of 5% sodium chloride solution (NaCl; pH value 6.5 - 7.2) at a temperature of 35°C for a period of 96 hours.

At the end of the test, the test objects are visually inspected and an electrical test is performed to show the influence of this corrosion test on the contact point in more detail.

All Phoenix Contact modular terminal blocks, whatever their connection technology, create gas-tight connections. This means that the contact point is protected against corrosion even under extreme climatic conditions.



Temperature shock test

DIN EN 60352 P4

As mentioned earlier, rapid changes in temperature frequently occur near process-related sources of heat and cold in process engineering. This test verifies that the contact quality of the terminal points remains consistently high even with rapid temperature changes.

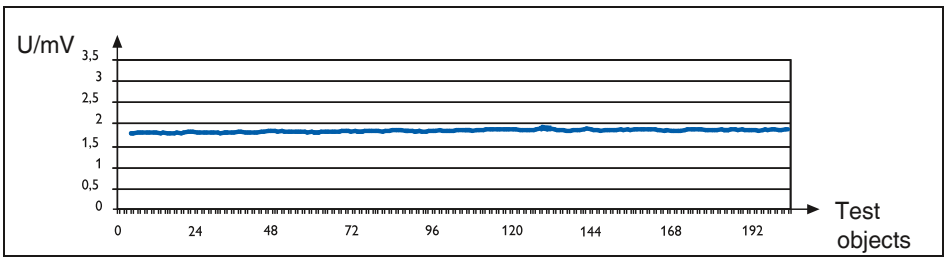
For testing purposes, five modular terminal blocks are mounted on the carrier and wired to a conductor with the rated cross section. The structure is subjected to rapid temperature changes using a two-chamber method. The temperatures lie close to the upper and lower limit temperatures of the modular terminal block. This is generally a temperature range of -55°C to +100°C. The dwell time in each climatic chamber is 45 minutes, whereby the change takes place within a few seconds. This change is performed for 100 cycles.

The requirements are met if, after the test, the single parts are undamaged and their further use is guaranteed.





After the modular terminal block has cooled down to room temperature, it must undergo a voltage-drop test. Phoenix Contact modular terminal blocks exhibit consistently good temperature behavior thanks to high-quality materials.



Voltage-drop test on more than 200 test objects following the test

Vibration test

DIN EN 61373 – broadband noise (intensity according to DIN EN 50155)

In traffic technology, modular terminal blocks are always exposed to vibrations and shocks. These occur particularly in the vicinity of engines, rotating drives, and axles.

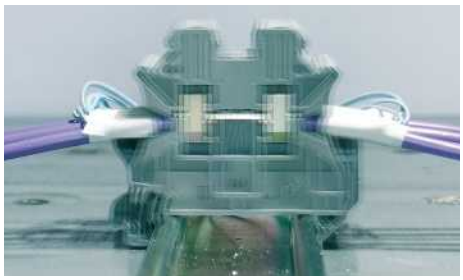
For a practical simulation of the vibration stress, the test objects are subjected to broadband noise-induced vibrations. This means that realistic accelerations are generated at the modular terminal block and the connected conductor.

During the category 1b test, the test objects are exposed to a frequency range of 5 Hz to 150 Hz. The r.m.s. value of the acceleration is up to 5.72 m/s^2. The test objects are tested for 5 hours on each of the three axes (x, y, z).

In addition to the vibrations, the electrical contact is monitored during the test to make it more difficult.

No damage may occur to the modular terminal blocks that would impair their further use. In addition, no contact interruptions > 1 µs are permitted during the test.

All Phoenix Contact modular terminal blocks, whatever their connection technology, meet this high vibration requirement.



Shock test

IEC 60068-2-27

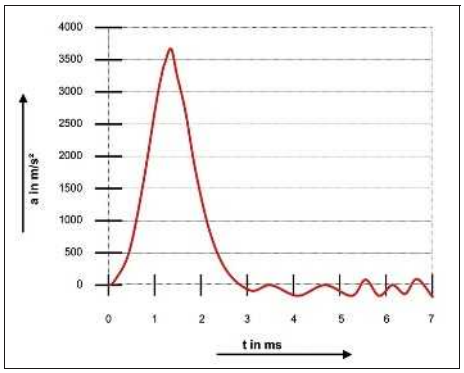
This test is performed to test and document the resistance of a terminal connection to irregular occurring shocks with varying energy content. Intensities from DIN EN 50155 and DIN EN 61373 (European standard for railway applications) are used to simulate the load in rail traffic.

For the definition of the shock, acceleration and duration are specified. IEC 60068-2-27 prescribes three positive and negative shocks on each of the three spatial axes (X, Y, Z). The simulated accelerations reach 50 m/s^2 with a shock duration of 30 ms.

No damage may occur at the terminal connection that would impair further use.

The contact behavior at the test objects is monitored during the test. When the railway standard is applied, no contact interruptions > 1 µs are permitted.

Phoenix Contact modular terminal blocks achieve this shock resistance and are suitable for applications with the most extreme vibrations.



Shock diagram with 3 ms/350 g

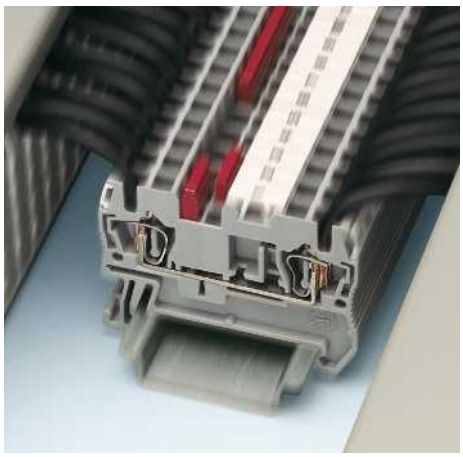
Vibration test

IEC 60068-2-6

This test demonstrates the vibration resistance of a terminal connection subjected to permanent vibrations. Harmonic, sinusoidal vibrations are applied to the test object to simulate rotating, pulsating or oscillating forces. The test is performed on each of the three spatial axes (X, Y, Z). In the test, the object runs through a frequency range of 5 Hz to 150 Hz at a speed of one octave per minute. The r.m.s. value of the acceleration is up to 40 m/s^2. The test objects are tested for 2 hours on each of the three axes (x, y, z).

No damage may occur to the modular terminal blocks that would impair their further use. In addition, no contact interruptions > 1 µs are permitted during the test. The contact resistance is measured before and after the test.

All connection technologies meet the requirements of the standard without the electrical contact being interrupted. They are therefore particularly suitable for demanding applications in which the reliable function of the terminal connection must be ensured, even when subjected to vibrations.



Quality features of insulation material

Thermoplastics

The majority of our insulating housing is made from thermoplastic materials. Roughly speaking, these can be divided into amorphous and semi-crystalline substances. Thermoplastics are processed using the efficient and environmentally-friendly injection molding process. They have good recycling properties and can be re-used. We use many materials that are modified in different ways to meet the demanding requirements that electrical and electronic modules, devices, and systems have to meet with regard to their mechanical, thermal, and electrical properties. The thermoplastic is halogen free, i.e., there is no formation of combustion fumes that can lead to corrosive condensation alone or in conjunction with humidity. It also contains no silicone compounds, formaldehyde, PCB or PCT.

Behavior of plastics under the influence of temperature (operating temperatures)

All plastics undergo a process referred to as thermal aging when they are subjected to heat over long periods. This process causes changes in the mechanical and electrical properties of the material. External influences, e.g., radiation, additional mechanical, chemical or electrical stresses, amplify this effect. Special tests on samples can yield characteristic data which provides a good means of drawing comparisons between different plastics. However, applying these characteristics to an evaluation of molded plastic parts is only possible to a limited extent, and can only give the designer a rough guide when it comes to selecting a plastic material.
IEC 60947-7-1/EN 60947-7-1 specifies a permissible temperature increase of 45 K for modular terminal blocks under nominal load. Phoenix Contact terminal blocks meet this requirement.

Inflammability characteristics of plastics (UL 94)

Inflammability tests for plastics have been defined by Underwriters Laboratories (USA) in regulation UL 94. This applies to all areas of application, but in particular to electrical engineering. A horizontal or vertical test is carried out at the test laboratory to determine the inflammability of the plastic material with a naked flame. In order of increasing resistance to combustion, the evaluation classes are HB, V1, V2, V0. Test results are recorded on "yellow cards" and are published annually in the **Recognized Component Directory.**

Thermoplastics: non-reinforced polyamide, PA

We use modern, semi-crystalline polyamide insulation material, which has now become an essential component in electrical engineering and electronics. It has long occupied a leading position and is authorized for use by the relevant approval authorities such as the CSA, KEMA, PTB, SEV, UL, VDE, etc.

Polyamide also has excellent electrical, mechanical, chemical, and other properties, even at high operating temperatures. Brief peak temperatures of up to approximately 200°C are permitted as a result of heat aging stabilization. Depending on the type (PA 4.6, 6.6, 6.10, etc.), its melting point is in the region of 215°C to 295°C.

Polyamide absorbs moisture from its surroundings, on average 2.8%. However, this moisture is not in the form of crystallization water in the plastic itself, but chemically bonded H_2O groups in the molecule structure. This makes the plastic flexible and resistant to breakage, even at temperatures as low as -40°C. According to UL 94, PA belongs to inflammability class V2 to V0.

Thermoplastics: fiberglass-reinforced polyamide, PA-F

Fiber-reinforced polyamides feature greater rigidity and hardness as well as operating temperatures higher than those of non-reinforced materials. This means that they are also suitable for use in applications such as surge protection.

Reinforced polyamide absorbs less moisture than the non-reinforced material. Otherwise, the properties are largely the same. Fiber-reinforced polyamide has a UL94 inflammability classification of HB to V0, although V0 materials are usually only available in black.

Thermoplastics: ABS

We use the thermoplastic molding compound ABS for products which must have good impact and notched impact properties in addition to high mechanical stability and rigidity. The products are resistant to chemicals and stress cracking due to their special surface quality and hardness.

The characteristic thermal properties provide good dimensional stability at both low and high temperatures. Products made of ABS can be coated with metallic surfaces, e.g., nickel.

According to UL 94, the molding compound used belongs to inflammability class HB to V0.

Thermoplastics: polyvinyl chloride, PVC

PVC is resistant to salt solutions, diluted and concentrated lyes and to most diluted and concentrated acids except for fuming sulfuric acid and concentrated nitric acid.

PVC is flame-retardant even without fire protection equipment (B1 according to DIN 4102 to UL 94 V0).

Properties	Unit/ stage	Polyamide PA	Polyamide PA	Polyamide PA-GF	Polyamide PA-GF	Polycarbonate PC-GF
Continuous temperature, DIN IEC 60216	°C	≤130	≤125	120	120	130
Minimum temperature (without mechanical load)	°C	-60	-60	-60	-60	-60
Dielectric strength, IEC 60243-1/DIN VDE 0303-21	kV/cm	600	600	330	400	300
Creep resistance, IEC 60112/DIN VDE 0303-1	CTI...	600	600	550	475	175
Tropical and termite resistance		Good	Good	Good	Good	Good
Specific contact resistance IEC 60093/VDE 0303-30; IEC 60167/VDE 0303-31	Ω cm	10^{12}	10^{12}	10^{12}	10^{12}	$> 10^{14}$
Surface resistance IEC 60093/VDE 0303-30; IEC 60167/VDE 0303-31	W	10^{10}	10^{10}	10^{12}	10^{12}	$> 10^{14}$
Inflammability class according to UL 94		V0	V2	V0	HB	V0

Insulating material properties

IEC 60210-1/UL 746 B

In the following tests, an increased load on the modular terminal block is simulated over a longer period of time. The behavior of plastics at constantly higher temperatures is described with respect to their tensile strength and insulation properties. IEC 60216 and UL 746 B specify a temperature index that allows conclusions to be drawn regarding the service life of plastics under thermal loads. Characteristic values are specified for both properties:
– Mechanically as a TI value according to IEC 60216
– Electrically as an RTI value according to UL 746 B

IEC 60216 – TI value

The tensile strength is measured over 5000 hours and the result is extrapolated to 20,000 hours. After 20,000 hours, the temperature is recorded at which the tensile strength decreased by half.

UL 746 B – RTI value

The RTI (elec.) indicates the highest operating temperature before a disruptive discharge occurs under certain test conditions. The polyamides used by Phoenix Contact are classified as follows:

	UL 94 V2	UL 94 V0
TI	105°C	125°C
RTI	125°C	130°C

Ceramic terminal blocks, for example, are available for use at higher temperatures.

Surface inflammability

ASTM E 162

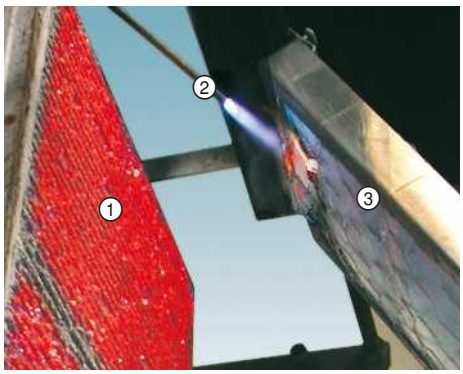
The spread of a fire under the influence of heat is tested and evaluated in the above standard.

To evaluate the surface inflammability of plastics, a "flame spread index" is devised according to ASTM E 162 to provide information on flame propagation under given test conditions.

For this purpose, a sample (152 x 457 x maximum 25.4 mm) is irradiated with a heat source (815°C) at an angle of 30° and ignited with a naked flame at the top end. During the 15-minute duration of the test, the time in which the flame front reaches two measuring points that are 76 mm apart is determined. The product of this flame propagation time and a calculated heat development factor yields the "flame spread index".

In the American railroad sector, the maximum limit value is 35. In this test, the drip behavior of the plastic is also observed and evaluated.

The modular terminal blocks from Phoenix Contact achieve a flame spread index of 5, drip without burning, and are therefore well below the maximum permitted values of the Federal Railroad Administration (FRA) of the US Department of Transportation.



① Radiant heater
② Flame
③ Plastic sample

Smoke gas development

ASTM E 662

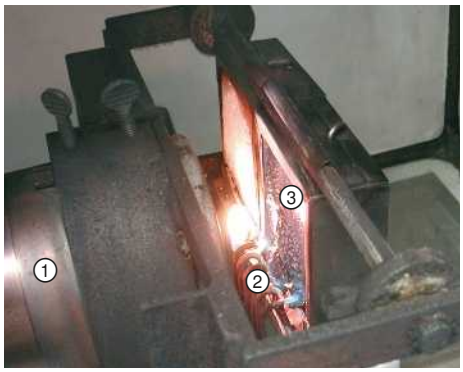
Standard ASTM E 662 specifies a procedure for evaluating the specific optical density of the smoke (smoke opacity) during an open fire or a smoldering fire. For this purpose, the percentage of light transmitted in relation to the burning chamber volume is observed. A sample (76 x 76 x maximum 25 mm) is placed in a smoke density chamber (see figure) as defined by the NBS (National Bureau of Standards). The test object is irradiated with a heat of 2.5 W/cm^2. The following processes are then simulated for 20 minutes:

1. Burning with a naked flame
2. Smoldering fire, avoidance of a naked flame

There are special limit values for the optical smoke density of both processes that are recorded after 1.5 and 4 minutes.

a. Specific optical smoke density (Ds1.5) – limit value 100
b. Specific optical smoke density (Ds4) – limit value 200
c. Maximum smoke density (Dm) during the 20 minutes

The polyamides used for Phoenix Contact modular terminal blocks meet all the requirements of the Federal Railroad Administration (FRA) of the US Department of Transportation in accordance with ASTM E 662.



① Radiant heater
② Flame
③ Plastic sample

Behavior in fire

NF F 16-101

NF F 16-101 describes the behavior in fire of plastics on the basis of two indices (I and F). As such, the following tests are performed: glow-wire test, oxygen index, smoke gas opacity, smoke gas toxicology.

1. Determination of index I (0 - 4)

Index I is determined from the results of the glow-wire test and the oxygen index, using the following table. Here, I 0 is the best classification and I 4 the worst.

Index	Oxygen index	Glow wire
I 0	70%	960°C, no flame formation
I 1	45%	960°C, no flame formation
I 2	32%	960°C, no flame formation
I 3	28%	850°C, no flame formation
I 4	20%	850°C, flame extinguishes quickly

2. Determination of smoke index F (0 - 5)

This is based on the smoke gas opacity and the smoke gas toxicity. The following concentrations in [ppm] are considered critical:

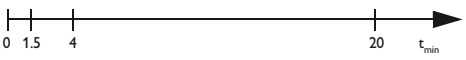
Carbon monoxide (CO) 1750
Carbon dioxide (CO_2). 90,000
Hydrochloric acid (HCl) 150
Hydrobromic acid (HBr) 170
Hydrocyanic acid (HCN). 55
Hydrofluoric acid (HF). 17
Sulfur dioxide (SO_2). 260

Using the test results, a smoke index is documented and can be assigned to classes F 0 - F 5 depending on the value. Here, F 0 is the best classification and F 5 the worst. Modular terminal blocks from Phoenix Contact attain classification I 2/F 2.

Smoke gas toxicity

SMP 800-C

SMP 800 C describes the maximum permissible values of toxic smoke gases when a plastic is burned. In comparison with BSS 7239 (Boeing standard), this standard specifies more precise measuring methods for the qualitative and quantitative determination of toxic smoke gases that result when a test object is completely burned. The smoke gases of these measurements are taken from the NBS test chamber of the ASTM E 662 test. The same time scheme is valid here as in ASTM E 662.



Data is recorded over a full 20 minutes.

SMP 800 C limit values of toxic smoke gases in ppm:

Carbon monoxide (CO) 3500
Carbon dioxide (CO_2) 90,000
Nitrogen oxides (NO_X) 100
Sulfur dioxide (SO_2) 100
Hydrochloric acid (HCl) 500
Hydrobromic acid (HBr) 100
Hydrofluoric acid (HF) 100
Hydrocyanic acid (HCN) 100

The polyamides used by Phoenix Contact are many times below the critical concentrations.

Halogen-free flame protection

DIN EN ISO 1043-4

Halogens are understood as the chemical elements fluorine, chlorine, bromine, and iodine. One property of halogen compounds relates to the reduction in the degree of inflammability when used in plastics. In fire-protection tests, a connection has been found between the release of toxic gases and halogens.

Modular terminal blocks from the CLIPLINE complete system are made of polyamide 6.6 (PA 6.6) with fire protection classification UL 94 V0. Melamine cyanurates are used instead of halogen-containing flame protection agents. Phoenix Contact modular terminal blocks are therefore, without exception, entirely free of halogens.

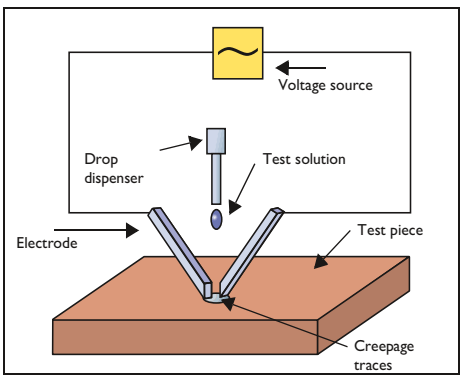


Comparative tracking index (CTI)

DIN EN 60112

Humidity and contamination facilitate the formation of creepage distances on the plastic surface. The formation of creepage distances is understood as the occurrence of conductive connections between neighboring potentials depending on their voltage differences under electrolytic influences. The CTI value of a plastic indicates the extent to which this creepage distance formation is prevented. Two platinum electrodes are set up on a test piece (20 mm x 20 mm x 3 mm) with a spacing of 4 mm. A test voltage specified by the standard is applied to both electrodes, which are subsequently sprinkled with a drop of test solution every 30 seconds from a device.

The test evaluates the maximum voltage value at which 50 drops are applied without a short-circuit current of > 0.5 A. The plastics used by Phoenix Contact are classified in the highest test voltage category with a CTI value of 600.



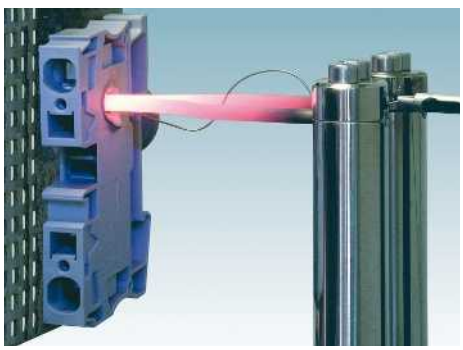
Glow-wire test

IEC 60695-2-11

In the event of overload, conductive metal parts of the modular terminal block or connected conductors can heat up considerably. This additional heat affects the plastic housing. To simulate this source of danger for electrotechnical components, a glow wire is heated to a specific temperature (550°C, 650°C, 750°C, 850°C or 960°C) in a glow-wire test and is then pushed onto the thinnest part of the housing of the test object at a right angle with a force of 1 N, as shown in the figure. The test is deemed to be passed:

– When no flame or glowing process occurs during the test
– When the flames or glowing processes are extinguished within 30 seconds of the glow wire being removed
– When the tracing paper beneath the glow wire does not ignite due to drops of burning substances falling down

The polyamides used by Phoenix Contact as housing materials all meet the requirements of the glow-wire test at 960°C (highest level).



Needle flame test

IEC 60947-7-1/-2

As far as the use of modular terminal blocks is concerned, behavior in fire when in direct contact with a source of ignition is a major criterion. Such sources of ignition coupled with flames could be arcs along a creepage distance, for example. Terminal blocks must not aid or accelerate fires and the plastics must have self-extinguishing properties.

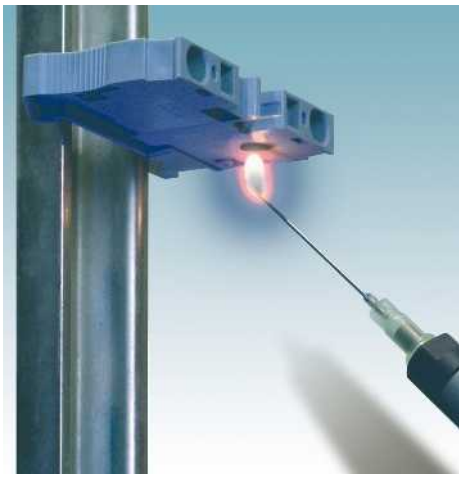
This fire test simulates the behavior of the components with an external source of ignition acting on them directly from outside.

In the test, a naked flame fed with butane gas is held at an edge or surface of the test object at an angle of 45° for 10 seconds (see figure). The behavior of the test object without a source of ignition is then observed.

The test is deemed to be passed:

– When the flames or glowing processes are extinguished within 30 seconds of the flame being removed.
– When the tracing paper beneath the test object does not ignite due to drops of burning substances falling down.

All Phoenix Contact modular terminal blocks pass the needle flame test thanks to the high-grade plastics used and their structural design.



Heating value of the plastic

DIN 51900-2/ASTM E 1354

Due to experience with fire catastrophes, technical plants are increasingly also classified according to the amount of heat dissipation in the case of fire. The reason for this is to limit heat generation in relation to the area.

Fire load

The fire load is understood as the amount of energy released over a particular area during burning. The value of the fire load is usually expressed in MJ/m^2. The higher the calorific value and the presence of a substance, the greater the amount of energy released during burning. The calorific values of polyamides are relatively high. For this reason, the calorific values of modular terminal blocks are also increasingly included in the fire load determination. Calorific values of the plastics used by Phoenix Contact in accordance with:

DIN 51900-2:

Polyamide 66 V2 . . . . . Approx. 30 MJ/kg
Polyamide 66 V0 . . . . . Approx. 32 MJ/kg

ASTM E 1354:

Polyamide 66 V2 . . . . . Approx. 22 MJ/kg
Polyamide 66 V0 . . . . . Approx. 24 MJ/kg
For comparison:
Heating oil . . . . . Approx. 44 MJ/kg

To calculate the fire load of individual components, the calorific value of each polyamide must be multiplied by the weight of the part.

Inflammability classification

UL 94

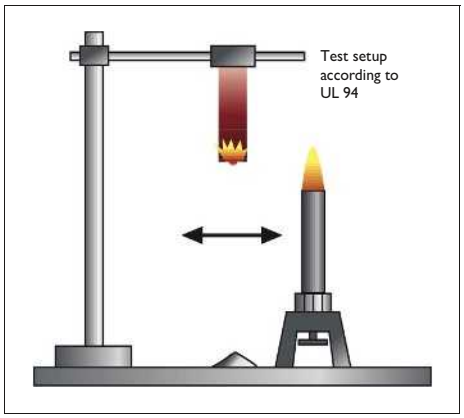
UL 94 describes inflammability tests that have gained particular importance in the field of electrical engineering. Behavior in fire is the main focus. Items are classified according to either UL 94 HB (Horizontal Burn) or UL 94 V (Vertical Burn). The test setup is such that the 94 V0/1/2 classifications are stricter than the 94 HB classification.

UL 94 V0/1/2

After conditioning, the test bar is vertically clamped and flame-treated several times for 10 seconds at a time. Between the flame treatments, the time until the test bar is extinguished is measured.

Afterwards, the afterburning times and the drip behavior are evaluated.

The plastic used for Phoenix Contact modular terminal blocks meets the higher-grade criteria for classification as a V0 material.



Classification

	UL 94 V0	UL 94 V1	UL 94 V2
Burning time after each flame treatment	≤ 10 s	≤ 30 s	≤ 30 s
Total burning time after 10 flame treatments	≤ 50 s	≤ 250 s	≤ 250 s
Glowing time after the 2nd flame treatment	≤ 30 s	≤ 60 s	≤ 60 s
Complete burn-off	No	No	No
Ignition of the absorbent cotton under the sample	No	No	No

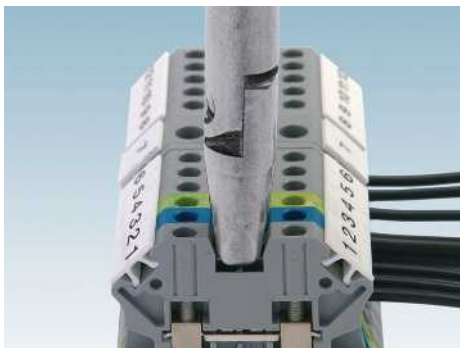
Shock protection

IEC 60529/DIN EN 50274

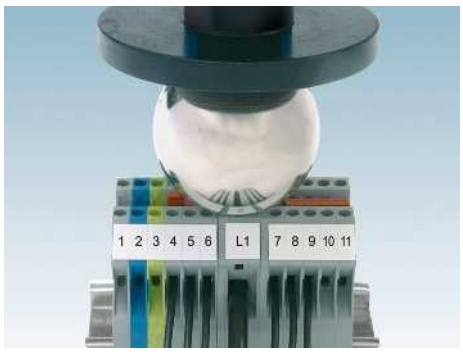
Electrical installations and plants must also afford service technicians a high level of safety when carrying out maintenance involving measuring and testing tasks.

BGV A2 specifies safety distances for work, operation, and occasional handling near parts that pose a potential danger in low-voltage plants up to 1000 V AC and 1500 V DC, based on standard IEC 60529. For the purpose of contact safety, a distinction is made between back-of-hand and finger safety. The extent to which conductive parts are safe to touch is tested with a test finger and test ball. It must not be possible to touch conductive parts with the test equipment.

Phoenix Contact modular terminal blocks are designed in accordance with IEC 60529/ DIN EN 50274.



Test finger Ø 12.5 mm



Test ball Ø 50 mm

Color designations

Color	Code
White	WH
Red	RD
Blue	BU
Green	GN
Yellow	YE
Gray	GY
Brown	BN
Orange	OG
Black	BK
Turquoise	TQ
Ivory	IV
Beige	BE
Olive	OL

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AB-PTI 6	3214008	181
AB-PTI/3	3213974	186
AB-SK	3025341	647
AB-SK 65	3026489	647
AB-SK 65-D	3026900	649
AB-SK 65-D INSULATED	3040889	649
AB-SK TOP	3062090	646
AB-SK TOP INSULATED	3062074	646
AB-SK-D TOP	3062100	648
AB-SK-D TOP INSULATED	3062087	649
AB-SK/E	3026476	652
AB-SK/E-NS 35	3213111	652
AB-SKS 60	3240223	647
AB-STI	3030828	282
AB-STI 16/10	3037669	283
AB-STI/3	3030831	288
AB-UTI/3	3076038	90
AB-UTN 2,5/10	3245082	86
AB/NS	1201141	583
AB/SKS	3240224	650
AB/SS	0404428	96
AB/SS-M	3025888	650
AB2/SS	0404431	96
AB3/SS	0800086	96
ABN 2/SS	0404460	96
AGK 10-PTPOWER	3260145	109
AGK 10-PTPOWER BK/YE	3260154	109
AGK 10-PTPOWER BU	3260148	109
AGK 10-PTPOWER GN/YE	3260151	109
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AGK 10-UKH 50	3001763	30
AGK 10-UKH 95	3003541	31
AGK 4-UT 10	3047112	27
AGK 4-UT 16	3047125	28
AGK 4-UT 35	3047138	29
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AK 16	0404033	95
AK 35	0404046	95
AKG 4 BK	0421032	94
AKG 4 BU	0421016	94
AKG 4 GNYE	0421029	94
AKG 16 BK	0423030	95
AKG 16 BU	0423014	95
AKG 16 GNYE	0423027	95
AKG 35 BK	0424039	95
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ATP-DIKD 1,5	1413285	515
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ATP-PIK	2714145	586
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ATP-QTC QUATTRO	3206225	309
ATP-QTC TWIN	3206212	243
ATP-QTTCB	3206238	312
ATP-ST 4	3030721	104
ATP-ST 6	3024481	105
ATP-ST QUATTRO	3030815	124
ATP-ST-TWIN	3030789	116
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ATP-STTB 4	3030747	128
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ATP-UK 5-MTK	3004210	549
ATP-UKK 3/5	2778521	506
ATP-UKKB 3	2771065	506
ATP-URTK/SP	0311139	76
ATP-UT	3047167	26
ATP-UT-QUATTRO	3047196	44
ATP-UT-TWIN	3047183	42
ATP-UTTB 2,5/4	3047316	46
ATP-ZFKKB 4	3005772	250
ATS-GSK	0304227	532
ATS-MTK	3101223	548
ATS-RTK	0310224	555
ATS-RTK-BEN	0308223	555
ATS-URTK/SS	0321226	553
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BES 6-LA 24	2802565	546
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C-ME 4/3	3035760	69
C-ME 6/2	3034442	75
C-ME 6/3	3034390	75
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D-MT 1,5-TWIN	3002979	604
D-MT 1,5-TWIN BU	3025545	604
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D-MZB 1,5 BU	3024423	294
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D-OTTA 25	0790514	615
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D-PIK 4-PE/L/NTB	2714161	588
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D-PT 1,5/S-QUATTRO	3208375	124
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D-PTTB 1,5/S/4P	3213894	364
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D-QTCU 2,5	3206597	320
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D-UK 5-TWIN	1923034	500
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D-UK 16	3006027	495
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D-UT 4-TWIN/ 1P	3045237	340
D-UT 6-QUATTRO/2P	3060607	341
D-UT 6-T-HV	3070147	76
D-UTI/3	3076036	90
D-UTME 4	3047491	69
D-UTME 4-CT/1P	3057445	73
D-UTME 4/1P	3057429	70
D-UTME 6	3047426	75
D-UTN 2,5/10	3245079	86
D-UTTB 2,5/4	3047293	46
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FBI 10-12	0203454	84
FBI 2-20 N	3213195	31
FBI 3-20 N	3213205	31
FBP 12+1	3069408	675
FBP 4+1	3069405	663
FBP 5+1	3069409	667
FBP 6+1	3069406	669
FBP 8+1	3069407	673
FBRI 2-5 N	3000227	250
FBRI 3-5 N	3000201	250
FBRI 4-5 N	3000191	504
FBRI 10-5 N	2770642	250
FBRI 10-8 N	2772080	77
FBRN 10-4 N	3001624	492
FBRNI 2-5 N	3000175	506
FBRNI 3-5 N	3000162	506
FBRNI 4-5 N	3000159	506
FBRNI 10-5 N	2770639	506
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