



## CLIPILINE complete

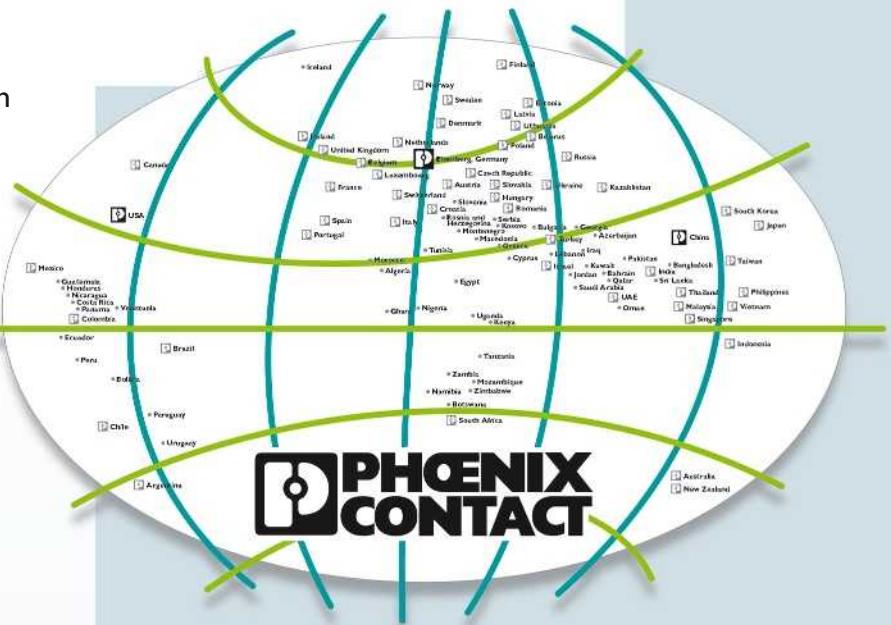
### PT – Push-in connection

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Phoenix Contact is a global market leader in the field of electrical engineering, electronics, and automation.

Founded in 1923, the family-owned company now employs around 12,800 people worldwide. A sales network with over 50 sales subsidiaries and more than 30 additional sales partners guarantees customer proximity directly on site, anywhere in the world.

Our range of services consists of products surrounding various different electrotechnical applications. This includes numerous connection technologies for device manufacturers and machine building, components for modern control cabinets, and tailor-made solutions for many applications and industries, such as automobile production, wind energy, photovoltaics, the process industry or applications in the field of water supply, power distribution, and transportation infrastructure.



## Global player with personal customer contact

Company independence is an integral part of our corporate policy. Phoenix Contact therefore relies on in-house competence and expertise in many respects: the design and development departments constantly come up with innovative product ideas, developing special solutions to meet customer requirements. Numerous patents emphasize the fact that many of Phoenix Contact's products have been developed in-house.



## Push-in connection technology

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 0.25 mm<sup>2</sup>. 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 mm<sup>2</sup>, 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 terminal blocks are subjected to tests which go beyond the basic terminal block standard, enabling them to be used in all sectors of industry, such as energy supply, transportation technology, process engineering, in particular the chemical and petrochemical industry or shipbuilding.

## Push-in Technology

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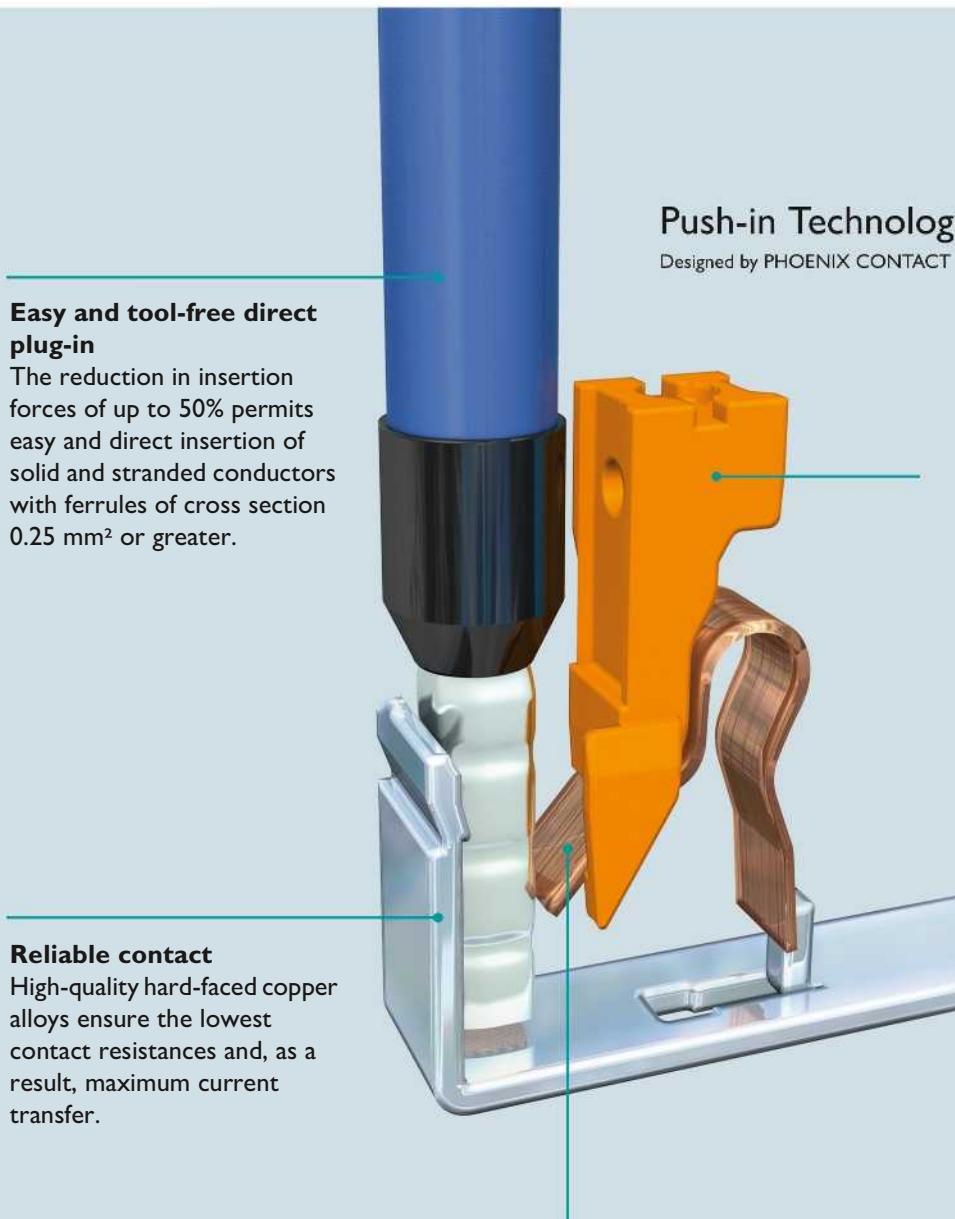


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# Push-in connection technology

## Easy to use – high-performance connection



### Easy and tool-free direct plug-in

The reduction in insertion forces of up to 50% permits easy and direct insertion of solid and stranded conductors with ferrules of cross section 0.25 mm<sup>2</sup> or greater.

### Push-in Technology

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### Easily released using any tool

The integrated lever enables you to release connected conductors using any type of tool – easily and without direct contact with live parts. Stranded conductors of cross section 0.14 mm<sup>2</sup> and above can be connected without ferrules using the actuation lever.

### Reliable contact

High-quality hard-faced copper alloys ensure the lowest contact resistances and, as a result, maximum current transfer.

### Maximum forces

The special contact spring is manufactured from high-quality spring steel, which ensures maximum contact and conductor pull-out forces with a vibration-resistant and gas-tight connection.



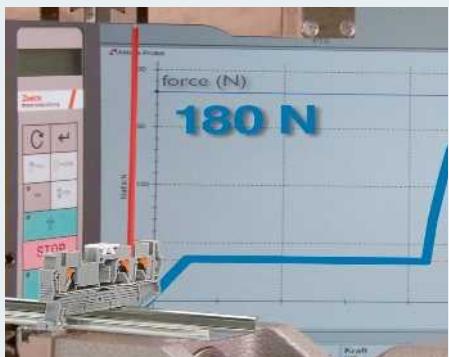
### Vibration-resistant contacting

The push-in connection technology is tested for maximum vibration and shock resistance. The test runs through a frequency range of 5 Hz to 150 Hz at a speed of up to 5.72 m/s<sup>2</sup>. The test objects are tested on each of the three axes (x, y, z). No contact interruptions > 1 µs are permitted during the test. Push-in connection technology meets these high requirements in terms of vibration and shock loads up to 350 g.



## Safe in all applications

Push-in connection technology is subjected to tests which go beyond the basic standard, enabling them to be used in all sectors of industry, such as supplying power, traffic technology, process engineering, and the chemical, petrochemical, and shipbuilding industries in particular.



### Maximum conductor pull-out forces

Correctly wired modular conductor contact points must offer a high degree of mechanical safety. The new push-in connection technology, requiring up to 50% lower conductor insertion forces, achieves 180 N in the conductor pull-out test of a 2.5 mm<sup>2</sup> terminal block with a 1.0 mm<sup>2</sup> conductor, for example, where only 35 N is required according to the standard.

### Gas-tight contacting

The key role of the metal parts of electrical connections becomes particularly apparent in aggressive environments. A test method describes a corrosion test in condensation climates with an atmosphere containing sulfur dioxide and salt mist. The push-in connection technology creates high-grade, gas-tight connections that cannot be impaired even by aggressive substances.

### High-performance contacting

Conductor contact points must, in practice, also be capable of resisting short-circuit currents until the relevant protective device cuts off the current without sustaining any damage. This can take up to several tenths of a second. Maximum contact reliability, even under extreme overload – illustrated with a plug-in terminal block.

# Simply consistent – PT terminal blocks with push-in connection

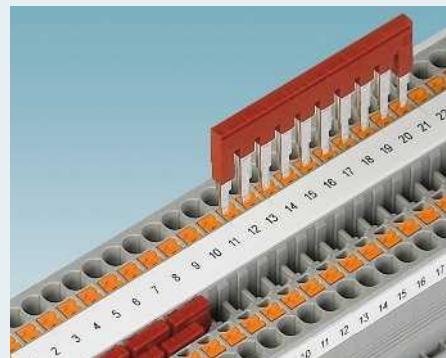
The consistent function shaft in all push-in modular terminal blocks gives you a high degree of flexibility and simplifies project planning and configuration of the control cabinet. All terminal blocks can be freely combined with one another.

The CLIPLINE complete system accessories, such as jumpering, marking, and testing accessories, are standardized and greatly reduce your logistics costs.



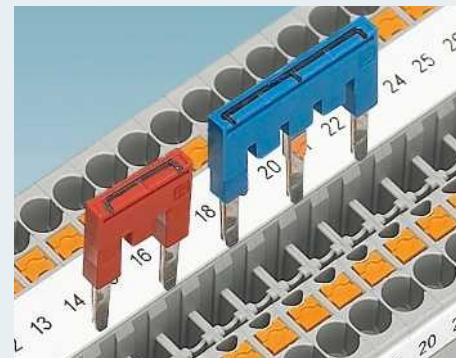
**MPT miniature terminal blocks**

Extremely small, but they can be labeled and bridged just like their larger counterparts.



**Flexible jumper system**

To allow fast and individual potential distribution, the terminal blocks have two function shafts. They are arranged in a line. This makes it possible to implement all the tasks of potential bridging within a short time.



**Bridging between non-adjacent terminal blocks**

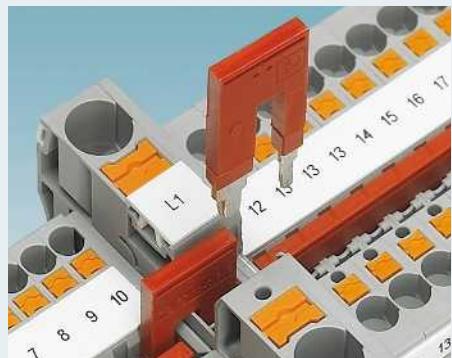
Bridging between non-adjacent terminal blocks is established by removing individual contact tabs from the standard bridge. This means that two potentials can be routed in parallel through one terminal strip.

## Large-surface labeling

Each terminal point supports clear, large-surface labeling to ensure the best possible overview of the control cabinet.

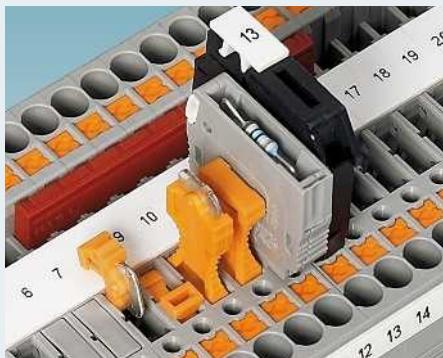
## Push-in Technology

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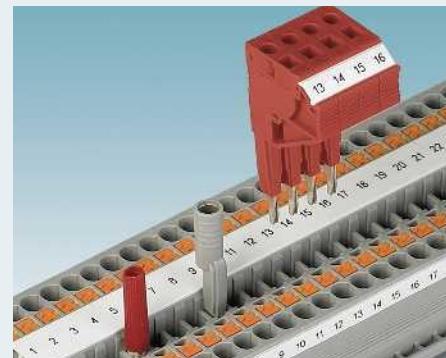
### Easy potential distribution

The reducing bridge allows terminal blocks with different nominal cross sections to be connected with ease. It can be used to quickly create power blocks, e.g. a 10 mm<sup>2</sup> terminal block with a 2.5 mm<sup>2</sup> or 4 mm<sup>2</sup> terminal block, regardless of the connection technology.



### Multifunctional disconnect zone

All disconnect terminal blocks in the CLIPLINE complete system have a standardized disconnect zone. The disconnect zone accommodates various connectors such as fuse plugs, component connectors, and isolating plugs.



### Standardized test system

All test plugs in the system make contact in the freely accessible function shaft. For individual measuring lines, a 2.3 mm diameter test plug is available. More complex testing tasks can be implemented using alignable test plugs. Test adapters can be assembled individually and are perfectly suited for use in test laboratories.

## Two-conductor terminal blocks

		PT 1,5/S 3208100	PT 2,5 3209510	PT 4 3211757
Type	Order No.	Gray Blue Green-yellow	PT 1,5/S BU 3208126	PT 2,5 BU 3209523
Width / Length / Height	[mm]	3.5 / 45 / 32	5.2 / 48.5 / 36.5	6.2 / 56 / 36.5
Current / Voltage // UL	[A] / [V]	17.5 / 500 // 15 / 600	30 / 800 // 20 / 600	38 / 800 // 30 / 600
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -	0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14	0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14	0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ]	0.14 - 1.5 / 0.14 - 1	0.14 - 2.5	0.25 - 4
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ]	0.34 - 1.5 / 0.25 - 1.5	0.34 - 2.5 / 0.34 - 4	0.5 - 4 / 0.5 - 6
		PT 1,5/S-PE 3208139	PT 2,5-PE 3209536	PT 4-PE 3211766
		PT 1,5/S 3211813	PT 10 3212120	PT 16 N 3212138
Type	Order No.	Gray Blue Green-yellow	PT 6 BU 3211819	PT 10 BU 3212123
Width / Length / Height	[mm]	8.2 / 57.7 / 43.5	10.2 / 67.7 / 50.5	12.2 / 75.4 / 52.6
Current / Voltage // UL	[A] / [V]	41 / 1000 // 40 / 600	57 / 1000 // 60 / 600	76 / 1000 // -
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -	0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 8	0.5 - 16 / 20 - 6 // 0.5 - 10 / 20 - 6	0.5 - 25 / 20 - 4 // 0.5 - 16 / 20 - 6
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ]	0.5 - 6	0.5 - 10	0.5 - 16
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ]	1 - 6 / 1 - 10	2.5 - 10 / 1 - 16	2.5 - 16 / 2.5 - 25
		PT 6-PE 3211822	PT 10-PE 3212131	PT 16 N-PE 3212147

## Three-conductor terminal blocks

		PT 1,5/S-TWIN 3208155	PT 2,5-TWIN 3209549	PT 4-TWIN 3211771
Type	Order No.	Gray Blue Green-yellow	PT 1,5/S-TWIN BU 3208168	PT 2,5-TWIN BU 3209552
Width / Length / Height	[mm]	3.5 / 54 / 32	5.2 / 60.5 / 36.5	6.2 / 66.5 / 36.5
Current / Voltage // UL	[A] / [V]	17.5 / 500 // 15 / 600	30 / 800 // 20 / 600	32 / 800 // 30 / 600
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -	0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14	0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14	0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ]	0.14 - 1.5 / 0.14 - 1	0.14 - 2.5	0.25 - 4
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ]	0.34 - 1.5 / 0.25 - 1.5	0.34 - 2.5 / 0.34 - 4	0.5 - 4 / 0.5 - 6
		PT 1,5/S-TWIN-PE 3208171	PT 2,5-TWIN-PE 3209565	PT 4-TWIN-PE 3211780
		PT 6-TWIN 3211929	PT 10-TWIN 3208746	PT 16-TWIN N 3208760
Type	Order No.	Gray Blue Green-yellow	PT 6-TWIN BU 3211485	PT 10-TWIN BU 3208747
Width / Length / Height	[mm]	8.2 / 74.2 / 43.5	10.2 / 88.9 / 50.5	12.2 / 100.2 / 52.6
Current / Voltage // UL	[A] / [V]	41 / 1000 // 40 / 600	57 / 1000 // 60 / 600	76 / 1000 // -
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -	0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 8	0.5 - 16 / 20 - 6 // 0.5 - 10 / 20 - 6	0.5 - 25 / 20 - 4 // 0.5 - 16 / 20 - 6
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ]	0.5 - 6	0.5 - 10	0.5 - 16
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ]	1 - 6 / 1 - 10	2.5 - 10 / 1 - 16	2.5 - 25 / 2.5 - 16
		PT 6-TWIN-PE 3211498	PT 10-TWIN-PE 3208745	PT 16-TWIN N-PE 3208786

More detailed information on use in an Ex "e" and "i" area is available on the Internet as a download for the approved products.

## Four-conductor terminal blocks

... ---U = With interrupted current bar								
Type	Order No.	Gray Blue Green-yellow Gray	PT 1,5/S-QUATTRO PT 1,5/S-QUATTRO BU PT 1,5/S-QUATTRO-PE PT 1,5/S-QUATTRO-U	3208197 3208208 3208333 3208359	PT 2,5-QUATTRO PT 2,5-QUATTRO BU PT 2,5-QUATTRO-PE	3209578 3209581 3209594	PT 4-QUATTRO PT 4-QUATTRO BU PT 4-QUATTRO-PE	3211797 3211802 3211809
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ]	3.5 / 63.2 / 32 17.5 / 500 // 15 / 600 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14 0.14 - 1.5 / 0.14 - 1 0.34 - 1.5 / 0.25 - 1.5	5.2 / 72.2 / 36.8 24 / 800 // 20 / 600 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	6.2 / 77 / 36.5 32 / 800 // 30 / 600 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12 0.25 - 4 0.5 - 4 / 0.5 - 6				
Type	Order No.	Gray Blue Green-yellow	PT 6-QUATTRO PT 6-QUATTRO BU PT 6-QUATTRO-PE	3212934 3212947 3212950				
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ]	8.2 / 90.5 / 43.5 41 / 1000 // 40 / 600 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 8 0.5 - 6 1 - 6 / 1 - 10						

## Double-level terminal blocks

... -PV = With equipotential bonding								
Type	Order No.	Gray Blue Green-yellow Gray	PTTB 1,5/S PTTB 1,5/S BU PTTB 1,5/S-PE PTTB 1,5/S-PV	3208511 3208524 3208537 3208540	PTTB 2,5 PTTB 2,5 BU PTTB 2,5-PE PTTB 2,5-PV	3210567 3210570 3210596 3210583	PTTB 4 PTTB 4 BU PTTB 4-PE PTTB 4-PV	3211786 3211793 3211854 3211825
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ]	3.5 / 65.4 / 42.6 16 / 500 // 15 / 600 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14 0.14 - 1.5 / 0.14 - 1 0.34 - 1.5 / 0.25 - 1.5	5.2 / 68 / 47.5 22 / 500 // 20 / 600 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	6.2 / 83.5 / 47.5 38 / 800 // 28 / 600 0.2 - 6 / 28 - 10 // 0.2 - 4 / 24 - 12 0.25 - 4 0.5 - 4 / 0.5 - 6				
PTTB 4-L 1000 V enclosed housing ... L/N = Upper level blue, lower level gray ... PE/L = Upper level gray, lower level gray-yellow with PE base ... PE/N = Upper level blue, lower level green-yellow with PE base								
Type	Order No.	Gray Gray Gray Gray	PTTB 1,5/S-L/N PTTB 1,5/S-PE/L PTTB 1,5/S-PE/N	3208544 3208553 3208566	PTTB 2,5-L/N PTTB 2,5-PE/L PTTB 2,5-PE/N	3210994 3210978 3210981	PTTB 4-L 1000V	3062744
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ]	3.5 / 65.4 / 42.6 16 / 500 // 15 / 600 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14 0.14 - 1.5 / 0.14 - 1 0.34 - 1.5 / 0.25 - 1.5	5.2 / 68 / 47.5 22 / 500 // 20 / 300 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	8.2 / 83.5 / 47.5 38 / 1000 // 30 / 1000 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12 0.25 - 4 0.5 - 4 / 0.5 - 6				

## Multi-conductor double-level terminal blocks

... -PV = With equipotential bonding

Type	Order No.
Gray Blue Green-yellow Gray	PTTBS 2,5-TWIN PTTBS 2,5-TWIN BU PTTBS 2,5-TWIN-PE PTTBS 2,5-TWIN-PV
Width / Length / Height [mm]	5.2 / 111.8 / 55
Current / Voltage // UL [A] / [V]	24 / 500 //
Solid / AWG // Stranded / AWG [mm <sup>2</sup> ] / -	0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14
Stranded with ferrule without/with plastic sleeve [mm <sup>2</sup> ]	0.14 - 2.5
Can be plugged in directly: with ferrule / solid [mm <sup>2</sup> ]	0.34 - 2.5 / 0.34 - 4
Type	Order No.
Gray Blue Green-yellow Gray	PTTBS 2,5-QUATTRO PTTBS 2,5-QUATTRO BU PTTBS 2,5-QUATTRO-PE PTTBS 2,5-QUATTRO-PV
Width / Length / Height [mm]	5.2 / 115.2 / 55
Current / Voltage // UL [A] / [V]	24 / 500 //
Solid / AWG // Stranded / AWG [mm <sup>2</sup> ] / -	0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14
Stranded with ferrule without/with plastic sleeve [mm <sup>2</sup> ]	0.14 - 2.5
Can be plugged in directly: with ferrule / solid [mm <sup>2</sup> ]	0.34 - 2.5 / 0.34 - 4

## Three-level terminal blocks

... -PV = With equipotential bonding

Type	Order No.
Gray Blue Green-yellow Gray	PT 1,5/S-3L PT 1,5/S-3L BU PT 1,5/S-3PE PT 1,5/S-3PV
Width / Length / Height [mm]	3.5 / 97.2 / 53.2
Current / Voltage // UL [A] / [V]	17.5 / 500 // 15 / 600
Solid / AWG // Stranded / AWG [mm <sup>2</sup> ] / -	0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14
Stranded with ferrule without/with plastic sleeve [mm <sup>2</sup> ]	0.14 - 1.5 / 0.14 - 1
Can be plugged in directly: with ferrule / solid [mm <sup>2</sup> ]	0.34 - 1.5 / 0.25 - 1.5
Type	Order No.
Gray Blue Green-yellow Gray	PT 2,5-3L PT 2,5-3L BU PT 2,5-3PE PT 2,5-3PV
Width / Length / Height [mm]	5.2 / 102 / 58
Current / Voltage // UL [A] / [V]	20 / 500 // 20 / 300
Solid / AWG // Stranded / AWG [mm <sup>2</sup> ] / -	0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14
Stranded with ferrule without/with plastic sleeve [mm <sup>2</sup> ]	0.14 - 2.5
Can be plugged in directly: with ferrule / solid [mm <sup>2</sup> ]	0.34 - 2.5 / 0.34 - 4

... PE/L/N = Upper level blue, middle level gray, lower level green-yellow with PE base

... PE/L/L = Upper and middle level gray, lower level green-yellow with PE base

... PE/L/N = Upper level blue, middle level gray, lower level green-yellow with PE base

... PE/L/L = Upper and middle level gray, lower level green-yellow with PE base

... L/N = Upper level blue, middle level gray

... L/N = Upper and middle level gray

Type	Order No.	
Blue/Gray/Green-yellow Gray/Green-yellow	PT 1,5/S-PE/L/N PT 1,5/S-PE/L/L	
Width / Length / Height [mm]	3.5 / 97.2 / 53.2	
Current / Voltage // UL [A] / [V]	15 / 500 // 15 / 600	
Solid / AWG // Stranded / AWG [mm <sup>2</sup> ] / -	0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14	
Stranded with ferrule without/with plastic sleeve [mm <sup>2</sup> ]	0.14 - 1.5 / 0.14 - 1	
Can be plugged in directly: with ferrule / solid [mm <sup>2</sup> ]	0.34 - 1.5 / 0.25 - 1.5	
Type	Order No.	
Blue/Gray/Yellow-green Gray/Green-yellow Blue/Gray Gray	PTI 2,5-PE/L/N PTI 2,5-PE/L/L	
Width / Length / Height [mm]	5.2 / 101 / 50.5	
Current / Voltage // UL [A] / [V]	24 / 400 // 20 / 300	
Solid / AWG // Stranded / AWG [mm <sup>2</sup> ] / -	0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14	
Stranded with ferrule without/with plastic sleeve [mm <sup>2</sup> ]	0.14 - 2.5	
Can be plugged in directly: with ferrule / solid [mm <sup>2</sup> ]	0.34 - 2.5 / 0.34 - 4	
Type	Order No.	
Blue/Gray/Yellow-green Gray/Green-yellow Blue/Gray Gray	PTI 2,5-L/N PTI 2,5-L/L	
Width / Length / Height [mm]	5.2 / 101 / 50.5	
Current / Voltage // UL [A] / [V]	24 / 400 // 20 / 300	
Solid / AWG // Stranded / AWG [mm <sup>2</sup> ] / -	0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14	
Stranded with ferrule without/with plastic sleeve [mm <sup>2</sup> ]	0.14 - 2.5	
Can be plugged in directly: with ferrule / solid [mm <sup>2</sup> ]	0.34 - 2.5 / 0.34 - 4	
Type	Order No.	
Blue/Gray/Yellow-green Gray/Green-yellow Blue/Gray Gray	PTB 2,5-PE/L/L	
Width / Length / Height [mm]	5.2 / 118 / 42.3	
Current / Voltage // UL [A] / [V]	24 / 400 //	
Solid / AWG // Stranded / AWG [mm <sup>2</sup> ] / -	0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14	
Stranded with ferrule without/with plastic sleeve [mm <sup>2</sup> ]	0.14 - 2.5	
Can be plugged in directly: with ferrule / solid [mm <sup>2</sup> ]	0.34 - 2.5 / 0.34 - 4	

More detailed information on use in an Ex "e" and "i" area is available on the Internet as a download for the approved products.

## Three-level terminal blocks

... PE/L/N = Upper level blue, middle level gray, lower level green-yellow with PE base  
 ... PE/L/L = Upper and middle level gray, lower level green-yellow with PE base  
 ... L/N = Upper level blue, middle level gray  
 ... L/N = Upper and middle level gray



Type	Order No.	Gray	PTI 4-PE/L/L PTI 4-PE/L/N	<b>3214050</b> <b>3214049</b>	PTI 4-L/L PTI 4-L/N	<b>3214052</b> <b>3214051</b>	
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ]		6.2 / 114 / 50.5 32 / 400 // - 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12 0.25 - 4 0.5 - 4 / 0.5 - 6		6.2 / 114 / 50.5 32 / 400 // - 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12 0.25 - 4 0.5 - 4 / 0.5 - 6		

## Motor terminals



Type	Order No.	Gray	PT 2,5-PE/3L	<b>3210542</b>	PT 4-PE/3L	<b>3210442</b>	
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ]		5.2 / 99.5 / 85.4 25 / 800 // - 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4		6.2 / 104.5 / 96.9 32 / 800 // - 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12 0.25 - 4 0.5 - 4 / 0.5 - 6		

## Fuse terminal blocks

<sup>1)</sup> For 12 - 30 V AC/DC, 0.31 - 0.95 mA  
<sup>2)</sup> For 30 - 60 V AC/DC, 0.40 - 0.86 mA  
<sup>3)</sup> For 110 - 250 V AC/DC, 0.41 - 0.96 mA

**PT 4-FSI/F...** Fuse terminal block for auto flat-type fuses  
 Type F (miniature)  
<sup>4)</sup> For 12 V DC, 1.7 mA  
<sup>5)</sup> For 24 V DC, 1.9 mA



Type	Order No.	Black	PT 4-HESI (5X20) PT 4-HESILED 24 (5X20) <sup>1)</sup> PT 4-HESILED 60 (5X20) <sup>2)</sup> PT 4-HESILA 250 (5X20) <sup>3)</sup>	<b>3211861</b> <b>3211903</b> <b>3207908</b> <b>3211907</b>	PTC 4-HESI (5X20) PTC 4-HESILED 24 (5X20) PTC 4-HESILED 60 (5X20) PTC 4-HESILA 250 (5X20)	<b>3270200</b> <b>3270203</b> <b>3270205</b> <b>3270197</b>	PT 4-FSI/F PT 4-FSI/F-LED 12 <sup>4)</sup> PT 4-FSI/F-LED 24 <sup>5)</sup>	<b>3208943</b> <b>3208951</b> <b>3208964</b>
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ]		6.2 / 56 / 63.4 6.3 / 500 / 6.3 / 300 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12 0.25 - 4 0.5 - 4 / 0.5 - 6		8.2 / 67.8 / 39.9 6.3 / 500 // - 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12 0.25 - 4 0.5 - 4 / 0.5 - 6		6.2 / 56 / 35.3 10 / 400 // 15 / 300 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12 0.25 - 4 0.5 - 4 / 0.5 - 6	

## Device circuit breakers

You can find information on the modular CB device circuit breakers and the multi-channel electronic CBM device circuit breakers with push-in connection technology online at [phoenixcontact.net/products](http://phoenixcontact.net/products)



## Miniature terminal blocks

Type	Order No.	Gray Blue Green-yellow	MPT 1,5/S 3248100 MPT 1,5/S BU 3248101 MPT 1,5/S-PE 3248110	MPT 2,5 3248125 MPT 2,5 BU 3248126 MPT 2,5-PE 3248130
Width / Length / Height	[mm]	3.5 / 33.55 / 28.1	5.2 / 36 / 34.8	
Current / Voltage // UL	[A] / [V]	17.5 / 500 // 15 / 600	24 / 500 // 20 / 600	
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -	0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14	0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14	
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ]	0.14 - 1.5 / 0.14 - 1	0.14 - 2.5	
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ]	0.34 - 1.5 / 0.25 - 1.5	0.34 - 2.5 / 0.34 - 4	

## Fuse, diode and disconnect terminal blocks for 1000 V photovoltaic applications

For detailed information on PV applications and power dissipation data, visit phoenixcontact.com		Fuse-links in accordance with IEC	Fuse-links in accordance with UL		
Type	Order No.	Black Black 2 A 4 A 6 A 8 A 10 A 12 A 15 A 16 A 20 A	PT 10,3-HESI-1000V 3062142 PT 10,3-HESILED-1000V 3062142	FUSE 10,3X38 2A PV 3061295 FUSE 10,3X38 4A PV 3061305 FUSE 10,3X38 6A PV 3061318 FUSE 10,3X38 8A PV 3061321 FUSE 10,3X38 10A PV 3061334 FUSE 10,3X38 12A PV 3061347 FUSE 10,3X38 16A PV 3061350 FUSE 10,3X38 20A PV 3061363	FUSE 10,3X38 6A PV A 3062778 FUSE 10,3X38 8A PV A 3062779 FUSE 10,3X38 10A PV A 3062780 FUSE 10,3X38 12A PV A 3062781 FUSE 10,3X38 15A PV A 3062784 FUSE 10,3X38 16A PV A 3062782
Width / Length / Height	[mm]	17.6 / 63 / 87			
Current / Voltage // UL	[A] / [V]	32 / 1000 // -			
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -	1.5 - 10 / 16 - 6 // 1.5 - 10 / 16 - 6			
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ]	1.5 - 10			
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ]	1.5 - 10			
... L-R = Diode conducting direction from left to right ... R-L = Diode conducting direction from right to left ... BE = For soldering components in place 'If the diode is loaded with 5 A, the surface temperature reaches 140 °C					
Type	Order No.	Gray Gray Gray	PTME 6-DIO/L-R HV 3035697 PTME 6-DIO/R-L HV 3035698 PTME 6-BE 3035687	PTME 6 HV 3035696 PTME 6 HV BU 3035695	
Width / Length / Height	[mm]	8.2 / 100.8 / 67.5			
Current / Voltage // UL	[A] / [V]	5' / 1000 (reverse voltage) // -			
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -	0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10			
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ]	0.5 - 6			
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ]	1 - 6 / 1 - 10			
<sup>2)</sup> The DP-STMD 6 spacer plate ensures sufficient spacing between two adjacent diodes					
Type	Order No.	Gray	DP-STMD 6 <sup>2)</sup> 3035690		
Width / Length / Height	[mm]	8.2 / 100.8 / 49.6			

## Diode terminal blocks

**Diode 1N 4007,**  
 reverse voltage 1300 V, maximum continuous current 0.5 A  
 ... L-R = Diode conducting direction from left to right  
 ... R-L = Diode conducting direction from right to left



Type	Order No.	Gray	PT 2,5-DIO/L-R PT 2,5-DIO/R-L	3210224 3210237	PT 2,5-TWIN-DIO/L-R PT 2,5-TWIN-DIO/R-L	3210240 3210253	PT 2,5-QUATTRO-DIO/L-R PT 2,5-QUATTRO-DIO/R-L	3210266 3210279
<b>Width / Length / Height</b> <b>Current / Voltage // UL</b> <b>Solid / AWG // Stranded / AWG</b> Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid		[mm] [A] / [V]	5.2 / 48.5 / 36.5 0.5 / 800 // 20 / 300 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4		5.2 / 60.5 / 36.5 0.5 / 800 // 20 / 300 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4		5.2 / 72 / 36.5 0.5 / 800 // 20 / 300 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	

**Diode 1N 5408,**  
 reverse voltage 1000 V, maximum continuous current 1.5 A  
 ... L-R = Diode conducting direction from left to right  
 ... R-L = Diode conducting direction from right to left



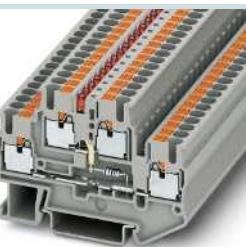
Type	Order No.	Gray	PT 4-DIO 1N 5408/L-R PT 4-DIO 1N 5408/R-L	3212112 3212125	PT 4-QUATTRO-DIO 1N 5408/L-R PT 4-QUATTRO-DIO 1N 5408/R-L	32111919 32111921	
<b>Width / Length / Height</b> <b>Current / Voltage // UL</b> <b>Solid / AWG // Stranded / AWG</b> Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid		[mm] [A] / [V]	6.2 / 56 / 36.5 1.5 / 800 // 1.5 / 600 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12 0.25 - 4 0.5 - 4 / 0.5 - 6		6.2 / 77 / 36.5 1.5 / 800 // 1.5 / 600 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12 0.25 - 4 0.5 - 4 / 0.5 - 6		

**Diode 1N 4007,**  
 reverse voltage 1300 V, maximum continuous current 0.5 A  
 ... O-U = Throughput from top to bottom  
 ... U-O = Throughput from bottom to top  
 ... UL-UR = Throughput from bottom left to bottom right  
 ... O-UL/UR-UL = Throughput from top left to bottom left and from bottom right to bottom left  
 ... O-UL/O-UR = Throughput from top left to bottom left and from top right to bottom right



Type	Order No.	Gray	PTTB 2,5-DIO/O-U PTTB 2,5-DIO/U-O	3210923 3210936	PTTB 2,5-DIO/UL-UR	3211427	PTTB 2,5-2DIO/O-UL/UR-UL PTTB 2,5-2DIO/O-UL/O-UR	3211430 3211443
<b>Width / Length / Height</b> <b>Current / Voltage // UL</b> <b>Solid / AWG // Stranded / AWG</b> Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid		[mm] [A] / [V]	5.2 / 68 / 47.5 20 / 500 // 20 / 300 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4		5.2 / 68 / 47.5 20 / 500 // 20 / 300 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4		5.2 / 68 / 47.5 20 / 500 // 20 / 300 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	

... R499 O-U = 499 Ω From top to bottom  
 ... LA = LED display  
 1) For 12 - 30 V DC, 0.7 - 2.4 mA  
 2) For 30 - 60 V DC, 0.8 - 1.8 mA  
 3) For 110 - 250 V AC/DC, 0.1 - 0.5 mA  
 ... 2BE = For soldering components in place

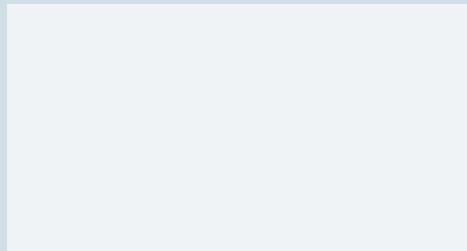
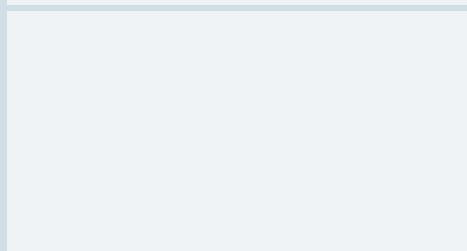
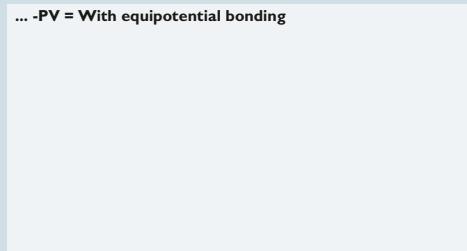
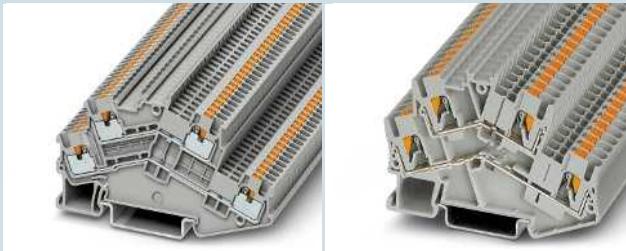
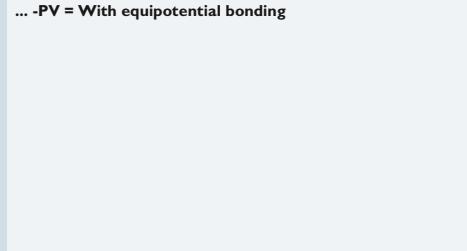


Type	Order No.	Gray	PTTB 2,5-R499/O-U	3210925	PTTB 2,5-LA 24 RD <sup>1)</sup> PTTB 2,5-LA 60 RD <sup>2)</sup> PTTB 2,5-LA 230 <sup>3)</sup>	3211456 3211469 3211472	PTTB 2,5-2BE	3211480
<b>Width / Length / Height</b> <b>Current / Voltage // UL</b> <b>Solid / AWG // Stranded / AWG</b> Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid		[mm] [A] / [V]	5.2 / 68 / 47.5 20 / 500 // - 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4		5.2 / 68 / 47.5 20 / 500 // 20 / 300 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4		5.2 / 68 / 47.5 22 / 500 // - 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	

## Hybrid terminal blocks with screw connection on one side

Type	Order No.	Gray Blue Green-yellow	PTU 2,5 PTU 2,5 BU PTU 2,5-PE	3209519 3209521 3209520
Width / Length / Height Current / Voltage // UL	[mm] [A] / [V]	5.2 / 53.5 / 42.8 24 / 800 // -	5.2 / 65.3 / 42.8 28 / 800 // -	
Solid / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / -	Screw 0.14 - 4 / 28 - 12 0.14 - 2.5 - 0.34 - 2.5 / 0.34 - 4	Push-in 0.14 - 4 / 28 - 12 0.14 - 2.5 - 0.34 - 2.5 / 0.34 - 4	Push-in 0.14 - 4 / 28 - 12 0.14 - 2.5 - 0.34 - 2.5 / 0.34 - 4
Type	Order No.	Gray Blue Green-yellow	PTU 4 PTU 4 BU PTU 4-PE	3211855 3211856 3211857
Width / Length / Height Current / Voltage // UL	[mm] [A] / [V]	6.2 / 58.8 / 42.8 32 / 800 // -	6.2 / 69.3 / 42.8 32 / 800 // -	
Solid/AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / -	Screw 0.14 - 6 / 26 - 10 0.14 - 4 - 0.5 - 6	Push-in 0.14 - 6 / 26 - 10 0.14 - 4 - 0.5 - 6	Push-in 0.14 - 6 / 26 - 10 0.14 - 4 - 0.5 - 6
... MTD = Feed-through terminal block with the same shape ... -TG = Disconnect terminal block with universal disconnect zone, see page 25 for suitable connector ... -P = With 4 mm test sockets on the right and left of the disconnect zone				
Type	Order No.	Gray Gray	PTU 4-MT PTU 4-MT-P	3209538 3209532
Width / Length / Height Current / Voltage // UL	[mm] [A] / [V]	6.2 / 71 / 42.8 20 / 400 // -	6.2 / 71 / 42.8 20 / 400 // -	6.2 / 71 / 42.8 20 / 400 // -
Solid / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / -	Screw 0.14 - 6 / 26 - 10 0.14 - 4 - 0.5 - 6	Push-in 0.14 - 6 / 26 - 10 0.14 - 4 - 0.5 - 6	Push-in 0.14 - 6 / 26 - 10 0.14 - 4 - 0.5 - 6
Note: You can find wiring and testing accessories in the product area on our website at <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a>				
PTUD 6 (-P) = Feed-through terminal block with the same shape ... -P = With 4 mm test sockets on the right and left of the disconnect zone				
Type	Order No.	Gray Gray	PTU 6-T PTU 6-T-P	3209535 3209530
Width / Length / Height Current / Voltage // UL	[mm] [A] / [V]	8.2 / 73.9 / 48 52 / 500 // -	8.2 / 73.9 / 48 52 / 800 // -	8.2 / 73.9 / 48 52 / 800 // -
Solid/AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / -	Screw 0.5 - 10 / 20 - 8 0.5 - 6 - 1 - 6	Push-in 0.5 - 10 / 20 - 8 0.5 - 6 - 1 - 6	Push-in 0.5 - 10 / 20 - 8 0.5 - 6 - 1 - 6

## Desk-design terminal blocks

Type	Order No.	Gray Blue Green-yellow						
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] [mm <sup>2</sup> ]	PTS 1,5/S PTS 1,5/S BU PTS 1,5/S-PE	3214547 3214550 3214563	PTS 2,5 PTS 2,5 BU PTS 2,5-PE	3211799 3211812 3211867	PTS 1,5/S-TWIN PTS 1,5/S-TWIN BU PTS 1,5/S-TWIN-PE	3214589 3214592 3214602	
... -PV = With equipotential bonding								
Type	Order No.	Gray Blue Green-yellow	PTS 2,5 TWIN PTS 2,5 TWIN BU PTS 2,5 TWIN-PE	3211896 3211906 3211935	PTS 1,5/S-QUATTRO PTS 1,5/S-QUATTRO BU PTS 1,5/S-QUATTRO-PE	3214615 3214631 3214644	PTS 2,5-QUATTRO PTS 2,5-QUATTRO BU PTS 2,5-QUATTRO-PE	3211993 3212002 3212011
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] [mm <sup>2</sup> ]	5.2 / 49 / 43 24 / 800 // 20 / 600 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	5.2 / 49 / 43 24 / 800 // 20 / 600 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14 0.14 - 1.5 / 0.14 - 1 0.34 - 1.5 / 0.25 - 1.5	3.5 / 50.7 / 38.5 17.5 / 500 // 15 / 600 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14 0.14 - 1.5 / 0.14 - 1 0.34 - 1.5 / 0.25 - 1.5	3.5 / 50.7 / 38.5 17.5 / 500 // 15 / 600 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14 0.14 - 1.5 / 0.14 - 1 0.34 - 1.5 / 0.25 - 1.5	5.2 / 49 / 43 24 / 800 // 20 / 600 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4		
... -PV = With equipotential bonding								
Type	Order No.	Gray Blue Green-yellow Gray	PTTBS 1,5/S PTTBS 1,5/S BU PTTBS 1,5/S-PE PTTBS 1,5/S-PV	3214657 3214660 3214673 3214686	PTTBS 2,5 PTTBS 2,5 BU PTTBS 2,5-PE PTTBS 2,5-PV	3209604 3209617 3209620 3210211		
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] [mm <sup>2</sup> ]	3.5 / 78.8 / 48.2 17.5 / 500 // 15 / 600 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14 0.14 - 1.5 / 0.14 - 1 0.34 - 1.5 / 0.25 - 1.5	3.5 / 78.8 / 48.2 17.5 / 500 // 15 / 600 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	5.2 / 78 / 55 22 / 500 // 20 / 600 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4				
... -PV = With equipotential bonding								
Type	Order No.	Gray Blue Green-yellow Gray	PTTBS 2,5-TWIN PTTBS 2,5-TWIN BU PTTBS 2,5-TWIN-PE PTTBS 2,5-TWIN-PV	3210600 3210601 3210602 3210603	PTTBS 2,5-QUATTRO PTTBS 2,5-QUATTRO BU PTTBS 2,5-QUATTRO-PE PTTBS 2,5-QUATTRO-PV	3210609 3210610 3210611 3210612		
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] [mm <sup>2</sup> ]	5.2 / 111.8 / 55 24 / 500 // - 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	5.2 / 115.2 / 55 24 / 500 // - 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4					

# Quick, easy, and reliable – PTPOWER high-current terminal blocks with Power Turn connection

PTPOWER spring high-current terminal blocks allow you to wire conductors up to 150 mm<sup>2</sup> and 309 amperes quickly, safely, and easily thanks to the unique Power Turn connection technology.

Compact versions are available for DIN rail and direct mounting.



## Power-Turn Technology

Designed by PHOENIX CONTACT

### Power Turn technology

The patented Power Turn spring connection technology enables large conductors to be connected quickly and easily using a standard screwdriver and a single lever movement.

Up to three high-quality spring steel pressure springs work with the prismatic terminal body base to create a vibration-resistant conductor connection that is stable in the long-term.



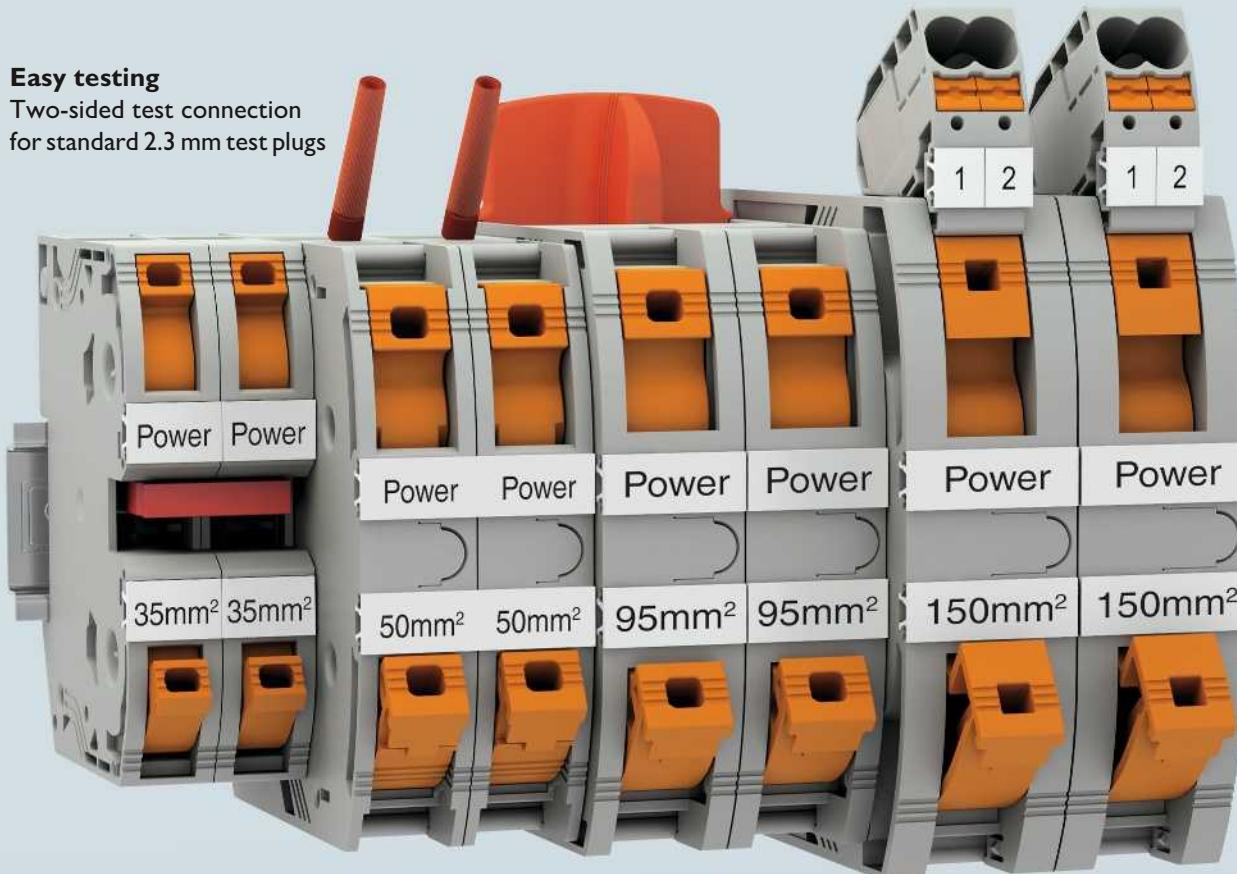
### Easy and tool-free wiring

Quick and easy connection is now also possible for large conductors.

Alternatively, conductors can also be quickly and easily inserted directly when the lever is closed thanks to push-in technology.

## **Easy testing**

Two-sided test connection  
for standard 2.3 mm test plugs



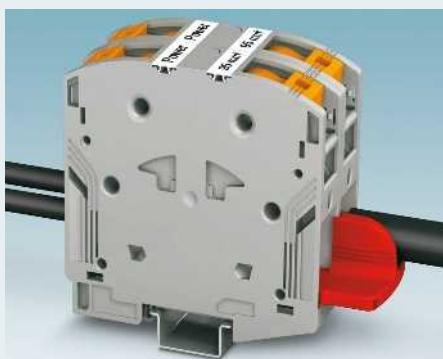
## **Large-surface labeling**

For maximum overview in the control cabinet



## **Safe tap-off**

With the fully isolated and snap-on (optional) tap-off terminal block, you can easily achieve your voltage tap-off for two conductors up to 16 mm<sup>2</sup>. Large-surface marking and integrated 2.3 mm test connections.



## **Easy potential distribution**

Distribute your potentials with the isolated insertion bridges. They can be installed easily without any tools and latch securely in the clamping space.



## **Functional blocks**

Pre-assembled terminal block bases reduce mounting and storage costs. The right terminal block base for DIN rail or direct mounting is available for every function.

## High-current terminal block and blocks for DIN rail mounting

... P = With 4 mm test connection

Type	Order No.	Gray Blue Green-yellow Black-yellow Gray Blue	PTPOWER 35 PTPOWER 35 BU PTPOWER 35-PE PTPOWER 35-FE PTPOWER 35 P PTPOWER 35 P BU	3212064 3212065 3212066 3212081 3212091 3212092	PTPOWER 50 PTPOWER 50 BU PTPOWER 50-PE PTPOWER 50-FE PTPOWER 50 P PTPOWER 50 P BU	3260050 3260051 3260052 3260063 3260065 3260066	PTPOWER 95 PTPOWER 95 BU PTPOWER 95-PE PTPOWER 95-FE PTPOWER 95 P PTPOWER 95 P BU	3260100 3260103 3260106 3260139 3260163 3260166
Width / Length / Height	[mm]	16 / 90.6 / 62.3					25 / 105.5 / 108.7	
Current / Voltage // UL	[A] / [V]	125 / 1500 // -					232 / 1500 // 230 / 1000	
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -	6 - 35 / 10 - 2 // 6 - 35 / 10 - 2					25 - 95 / 4 - 3/0 // 25 - 95 / 4 - 3/0	
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ]	6 - 35 / 6 - 35					25 - 95 / 25 - 95	
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ]	6 - 35 / 6 - 35					25 - 95 / 25 - 95	
Type	Order No.	Gray Blue Black-yellow Gray Blue	PTPOWER 150 PTPOWER 150 BU PTPOWER 150-FE PTPOWER 150-P PTPOWER 150 P BU	3215000 3215001 3215002 3215003 3215004				
Width / Length / Height	[mm]	31 / 116.4 / 116.5						
Current / Voltage // UL	[A] / [V]	309 / 1500 // -						
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -	35 - 150 / 2 - 300 Kcmil // 35 - 150 / 2 - 300 Kcmil						
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ]	35 - 150 / 35 - 150						
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ]	35 - 150 / 35 - 150						
Type	Order No.	3 x gray 3 x gray, 1 x blue 3 x gray, 1 x black-yellow 3 x gray, 1 x blue, 1 x black-yellow	PTPOWER 35-3L PTPOWER 35-3L/N PTPOWER 35-3L/FE PTPOWER 35-3L/N/FE	3212068 3212069 3212070 3212071	PTPOWER 50-3L PTPOWER 50-3L/N PTPOWER 50-3L/FE PTPOWER 50-3L/N/FE	3260053 3260054 3260055 3260056	PTPOWER 95-3L PTPOWER 95-3L/N PTPOWER 95-3L/FE PTPOWER 95-3L/N/FE	3260109 3260112 3260115 3260118
Current / Voltage // UL	[A] / [V]	125 / 1000 // -					232 / 1500 // 230 / 1000	
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -	6 - 35 / 10 - 2 // 6 - 35 / 10 - 2					25 - 95 / 4 - 3/0 // 25 - 95 / 4 - 3/0	
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ]	6 - 35 / 6 - 35					25 - 95 / 25 - 95	
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ]	6 - 35 / 6 - 35					25 - 95 / 25 - 95	
Type	Order No.	3 x gray 3 x gray, 1 x blue 3 x gray, 1 x black-yellow 3 x gray, 1 x blue, 1 x black-yellow	PTPOWER 150-3L PTPOWER 150-3L/N PTPOWER 150-3L/FE PTPOWER 150-3L/N/FE	3215005 3215006 3215007 3215008				
Current / Voltage // UL	[A] / [V]	309 / 1500 // -						
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -	35 - 150 / 2 - 300 Kcmil // 35 - 150 / 2 - 300 Kcmil						
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ]	35 - 150 / 35 - 150						
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ]	35 - 150 / 35 - 150						

## High-current terminal blocks and blocks for direct mounting

Type	Order No.	Gray Blue Black-yellow	PTPOWER 35-F 3212078 PTPOWER 35-F BU 3212079 PTPOWER 35-FE-F 3212082	PTPOWER 50-F 3260061 PTPOWER 50-F BU 3260062 PTPOWER 50-FE-F 3260064	PTPOWER 95-F 3260133 PTPOWER 95-F BU 3260136 PTPOWER 95-FE-F 3260142
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] [mm <sup>2</sup> ]	16 / 91.6 / 62.3 125 / 1000 // - 6 - 35 / 10 - 2/0 // 6 - 35 / 10 - 2/0 6 - 35 / 6 - 35 6 - 35 / 6 - 35	20 / 9101 / 105 150 / 1000 // - 10 - 70 / 8 - 2/0 // 70 - 70 / 8 - 2/0 10 - 50 / 10 - 50 10 - 50 / 10 - 50	25 / 139.1 / 99.8 232 / 1500 // 230 / 1000 25 - 95 / 4 - 3/0 // 25 - 95 / 4 - 3/0 25 - 95 / 25 - 95 25 - 95 / 25 - 95	
Type	Order No.	Gray Blue Black-yellow	PTPOWER 150-F 3215030 PTPOWER 150-F BU 3215031 PTPOWER 150-FE-F 3215032		
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] [mm <sup>2</sup> ]	31 / 150 / 108.3 309 / 1500 // - 35 - 150 / 2 - 300 Kcmil // 35 - 150 / 2 - 300 Kcmil 35 - 150 / 35 - 150 35 - 150 / 35 - 150			
Type	Order No.	3 x gray 3 x gray, 1 x blue 3 x gray, 1 x black-yellow 3 x gray, 1 x blue, 1 x black-yellow	PTPOWER 35-3L-F 3212072 PTPOWER 35-3L/N-F 3212073 PTPOWER 35-3L/FE-F 3212075 PTPOWER 35-3L/N/FE-F 3212076	PTPOWER 50-3L-F 3260057 PTPOWER 50-3L/N-F 3260058 PTPOWER 50-3L/FE-F 3260059 PTPOWER 50-3L/N/FE-F 3260060	PTPOWER 95-3L-F 3260121 PTPOWER 95-3L/N-F 3260124 PTPOWER 95-3L/FE-F 2360127 PTPOWER 95-3L/N/FE-F 3260130
Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] [mm <sup>2</sup> ]	125 / 1000 // - 6 - 35 / 10 - 2 // 6 - 35 / 10 - 2 6 - 35 / 6 - 35 6 - 35 / 6 - 35	150 / 1000 // - 10 - 70 / 8 - 2/0 // 70 - 70 / 8 - 2/0 10 - 50 / 10 - 50 10 - 50 / 10 - 50	232 / 1500 // 230 / 1000 25 - 95 / 4 - 3/0 // 25 - 95 / 4 - 3/0 25 - 95 / 25 - 95 25 - 95 / 25 - 95	
Type	Order No.	3 x gray 3 x gray, 1 x blue 3 x gray, 1 x black-yellow 3 x gray, 1 x blue, 1 x black-yellow	PTPOWER 150-3L-F 3215033 PTPOWER 150-3L/N-F 3215034 PTPOWER 150-3L/FE-F 3215035 PTPOWER 150-3L/N/FE-F 3215036		
Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] [mm <sup>2</sup> ]	309 / 1500 // - 35 - 150 / 2 - 300 Kcmil // 35 - 150 / 2 - 300 Kcmil 35 - 150 / 35 - 150 35 - 150 / 35 - 150			

# Compact and flexible – PTIO sensor/actuator terminal blocks with push-in connection

Wire sensors and actuators easily and clearly in state-of-the-art machine and system controllers using compact sensor/actuator terminal blocks with 3.5 mm terminal width.

All PTIO terminal blocks feature the same shape and can be consistently bridged with the CLIPLINE complete jumper system to offer maximum flexibility.



## Flexible feeding and bridging

Power terminal blocks of the same shape allow easy potential distribution and simple expansion of terminal block groups.

## Clear assignment

The signal level can be given a large label for ease of recognition. LED indicator variants are available to uniquely signal the switching states. Potentials from the signal conducting level can optionally be bridged.

## Three-conductor initiator/actuator terminal blocks

... LED 24 RD = Red LED display ... LED 24 GN = Green LED display ) For 15 - 30 V DC, 0.31- 0.95 mA					
Type	Order No.	Gray	PTIO 1,5/S/3	3244410	PTIO 1,5/S/3-LED 24 RD <sup>1</sup> ) PTIO 1,5/S/3-LED 24 GN <sup>1</sup> )
Width / Length / Height [mm]	[mm]	3.5 / 74.4 / 41.5	3.5 / 74.4 / 41.5	3.5 / 74.4 / 41.5	3.5 / 74.4 / 41.5
Current / Voltage // UL [A] / [V]		13.5 / 250 // -	13.5 / 250 // -	13.5 / 250 // -	13.5 / 250 // -
Solid / AWG // Stranded / AWG [mm <sup>2</sup> ] / -		0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14	0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14	0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14	0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14
Stranded with ferrule without/with plastic sleeve [mm <sup>2</sup> ]	[mm <sup>2</sup> ]	0.14 - 1.5 / 0.14 - 1	0.14 - 1.5 / 0.14 - 1	0.14 - 1.5 / 0.14 - 1	0.14 - 1.5 / 0.14 - 1
Can be plugged in directly: with ferrule / solid [mm <sup>2</sup> ]	[mm <sup>2</sup> ]	0.34 - 1.5 / 0.25 - 1.5	0.34 - 1.5 / 0.25 - 1.5	0.34 - 1.5 / 0.25 - 1.5	0.34 - 1.5 / 0.25 - 1.5
Three-wire power terminal					
Type	Order No.	Orange	PTIO-IN 2,5/3 OG	3244559	
Width / Length / Height [mm]	[mm]	7 / 74.4 / 41.5			
Current / Voltage // UL [A] / [V]		20 / 250 // -			
Solid / AWG // Stranded / AWG [mm <sup>2</sup> ] / -		0.2 - 4 / 24 - 12 // 0.2 - 2.5 / 24 - 14			
Stranded with ferrule without/with plastic sleeve [mm <sup>2</sup> ]	[mm <sup>2</sup> ]	0.2 - 2.5			
Can be plugged in directly: with ferrule / solid [mm <sup>2</sup> ]	[mm <sup>2</sup> ]	0.34 - 2.5 / 0.34 - 4			

## Four-conductor initiator/actuator terminal blocks

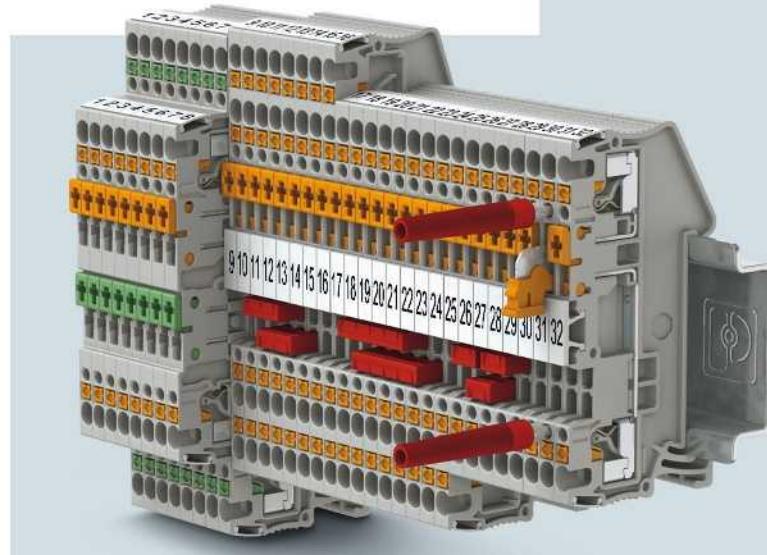
... LED 24 RD = Red LED display ... LED 24 GN = Green LED display ) For 15 - 30 V DC, 0.31- 0.95 mA					
Type	Order No.	Gray	PTIO 1,5/S/4	3244452	PTIO 1,5/S/4-LED 24 RD <sup>1</sup> ) PTIO 1,5/S/4-LED 24 GN <sup>1</sup> )
Width / Length / Height [mm]	[mm]	3.5 / 90.8 / 41.5	3.5 / 90.8 / 41.5	3.5 / 90.8 / 41.5	3.5 / 90.8 / 41.5
Current / Voltage // UL [A] / [V]		13.5 / 250 // -	13.5 / 250 // -	13.5 / 250 // -	13.5 / 250 // -
Solid / AWG // Stranded / AWG [mm <sup>2</sup> ] / -		0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14	0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14	0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14	0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14
Stranded with ferrule without/with plastic sleeve [mm <sup>2</sup> ]	[mm <sup>2</sup> ]	0.14 - 1.5 / 0.14 - 1	0.14 - 1.5 / 0.14 - 1	0.14 - 1.5 / 0.14 - 1	0.14 - 1.5 / 0.14 - 1
Can be plugged in directly: with ferrule / solid [mm <sup>2</sup> ]	[mm <sup>2</sup> ]	0.34 - 1.5 / 0.25 - 1.5	0.34 - 1.5 / 0.25 - 1.5	0.34 - 1.5 / 0.25 - 1.5	0.34 - 1.5 / 0.25 - 1.5
Four-wire power terminal					
Type	Order No.	Orange	PTIO-IN 2,5/4-PE OG	3244481	
Width / Length / Height [mm]	[mm]	7 / 90.8 / 41.5			
Current / Voltage // UL [A] / [V]		20 / 250 // -			
Solid / AWG // Stranded / AWG [mm <sup>2</sup> ] / -		0.2 - 4 / 24 - 12 // 0.2 - 2.5 / 24 - 14			
Stranded with ferrule without/with plastic sleeve [mm <sup>2</sup> ]	[mm <sup>2</sup> ]	0.2 - 2.5			
Can be plugged in directly: with ferrule / solid [mm <sup>2</sup> ]	[mm <sup>2</sup> ]	0.34 - 2.5 / 0.34 - 4			

# Compact and functional – PT disconnect and knife disconnect terminal blocks with push-in connection

With a width of just 3.5 mm, the new terminal blocks now combine push-in connection and knife disconnection for conductors up to 1.5 mm<sup>2</sup>.

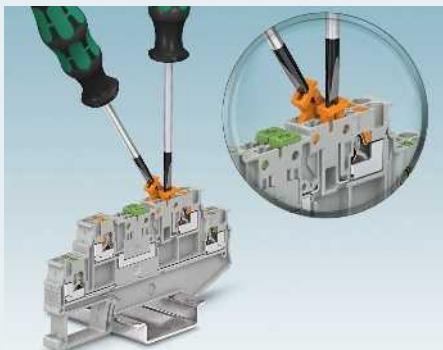
The product program of the compact modular terminal blocks include feed-through, multiple conductor and double-level terminal blocks.

The space-saving knife disconnect terminal blocks allow you to achieve as yet unrivaled signal density for modular terminal blocks. This allows saving up to 30% in the control cabinet for the control wiring.



## Push-in Technology

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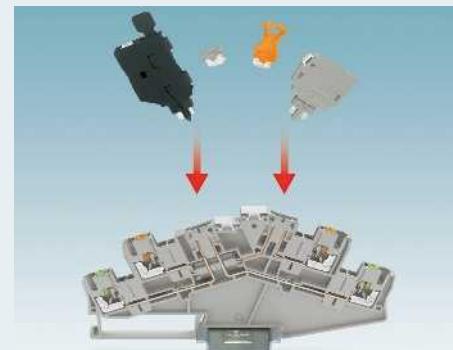
### Easy operation and testing

The actuation cross on the disconnect knife enables the use of different size screwdrivers. All terminal blocks offer an additional test contact on both sides of the disconnect point for test plugs with a 2.3 mm diameter.



### Unique color coding

Disconnect knives and actuation levers of the same color provide clear assignment of connection levels when dealing with two disconnect levels. Each terminal point can be given a large label for ease of recognition, a prerequisite for a safe and time-saving installation.



### Multifunctional disconnect zone

In the range of 2.5 mm<sup>2</sup> terminal blocks, two-tier disconnect terminal blocks with one or two universal disconnect zones are available. The disconnect zone accommodates various connectors such as fuse plugs, component connectors, and isolating plugs.

## Disconnect terminal blocks for accommodating function connectors

... MTD = Feed-through terminal block with the same shape



Type	Order No.	Gray Gray Blue	PTC 2,5-TG 3270088 PTC 2,5-MTD 3270106 PTC 2,5-MTD BU 3270109	PTC 2,5-TWIN-TG 3270091 PTC 2,5-TWIN-MTD 3270110 PTC 2,5-TWIN-MTD BU 3270111	PTC 2,5-QUATTRO-TG 3270094
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] [mm <sup>2</sup> ]	5.2 / 56 / 36.5 20 / 400 // - 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	5.2 / 67.8 / 36.5 20 / 400 // - 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	5.2 / 79.6 / 36.5 20 / 400 // - 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	



Type	Order No.	Gray	PT 2,5-TG 3210185	PT 2,5-TWIN-TG 3210198	PT 2,5-QUATTRO-TG 3210208
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] [mm <sup>2</sup> ]	5.2 / 62 / 36.5 20 / 400 // 20 / 300 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	5.2 / 74 / 36.5 20 / 400 // 20 / 300 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	5.2 / 84 / 36.5 20 / 400 // 20 / 300 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	



Type	Order No.	Gray	PT 2,5-TGB 3210192	PT 2,5-TWIN-TGB 3210193	PT 2,5-QUATTRO-TGB 3210194
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] [mm <sup>2</sup> ]	5.2 / 70.1 / 36.8 16 / 400 // 16 / 600 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	5.2 / 81.9 / 36.7 16 / 400 // 16 / 600 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	5.2 / 92.2 / 36.7 16 / 400 // 16 / 600 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	



Type	Order No.	Gray	PT 4-TG 3211922	PTU 4-TG 3209542 PTU 4-TG-P 3209541	
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] [mm <sup>2</sup> ]	6.2 / 56 / 36.5 20 / 400 // 20 / 300 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12 0.25 - 4 0.5 - 4 / 0.5 - 6	6.2 / 71 / 42.8 20 / 400 // - 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12 0.25 - 4 0.5 - 4 / 0.5 - 6		

## Disconnect terminal blocks for accommodating function connectors

Type	Order No.	Gray Blue	PTT 2,5-L/TG PTT 2,5-L/TG BU  3210230 3210270
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ]	5.2 / 92.4 / 47.4 16 / 400 // 16 / 300 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	5.2 / 127.5 / 64.3 16 / 400 // 16 / 300 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4
') 16 A disconnect level			
Type	Order No.	Gray	PTI 2,5-L/TG  3213961
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ]	5.2 / 101 / 50.5 24) / 400 // 20 / 300 0.14 - 4 / 26 - 12 // 0.14 - 4 / 26 - 12 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	5.2 / 101 / 50.5 24) / 400 // 20 / 300 0.14 - 4 / 26 - 12 // 0.14 - 4 / 26 - 12 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4

## Function plugs for disconnect terminal blocks

Feed-through connectors and isolating plugs					
Type	Order No.	Gray Orange	P-FIX  3038956	P-DI  3036783	
Width / Length / Height Current / voltage	[mm] [A] / [V]	4 / 10.5 / - 20 / -		3.5 / 10.8 / 23.1 20 / -	
Component connector					
Type	Order No.	Gray Gray Gray	P-CO P-CO 1N4007/R-L P-CO 1N4007/L-R  3036796 3032457 3032460	P-CO 2-5 R47K component connector, with 47 kOhm resistor, contacts two adjacent terminal blocks at 5.2 mm in bridge shaft  P-CO 2-5 R47K  3032447	
Width / Length / Height Current / voltage	[mm] [A] / [V]	5.2 / 24 / 22 6 <sup>1)</sup> / -			
Fuse plug for fuse links 5 x 20 mm					
Type	Order No.	Black Black	P-FU 5X20-5  3209235	P-FU 5X20 LED 24-5 <sup>1)</sup> P-FU 5X20 LED 60-5 <sup>2)</sup>  3209248 3209251	P-FU 5X20 LED 250-5 <sup>3)</sup>  3209264
Width / Length / Height Current / voltage	[mm] [A] / [V]	5.2 / 23.5 / 45.5 6.3 / 400		5.2 / 23.5 / 45.5 6.3 / 24, 60	5.2 / 23.5 / 45.5 6.3 / 250
Fuse plug for fuse links 5 x 20 mm					
Type	Order No.	Black Black	P-FU 5X20  3036806	P-FU 5X20 LED 24 <sup>1)</sup> P-FU 5X20 LED 60 <sup>2)</sup>  3036819 3036822	P-FU 5X20 LA 250 <sup>3)</sup>  3036835
Width / Length / Height Current / voltage	[mm] [A] / [V]	6.2 / 28 / 25 6.3 / 500		6.2 / 28 / 25 6.3 / 24, 60	6.2 / 28 / 25 6.3 / 250

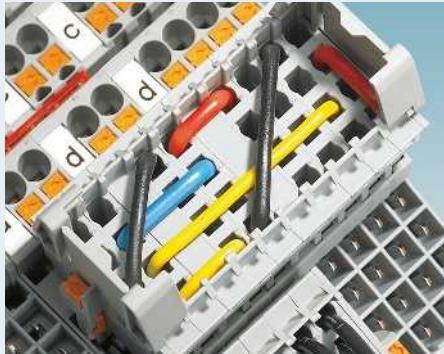
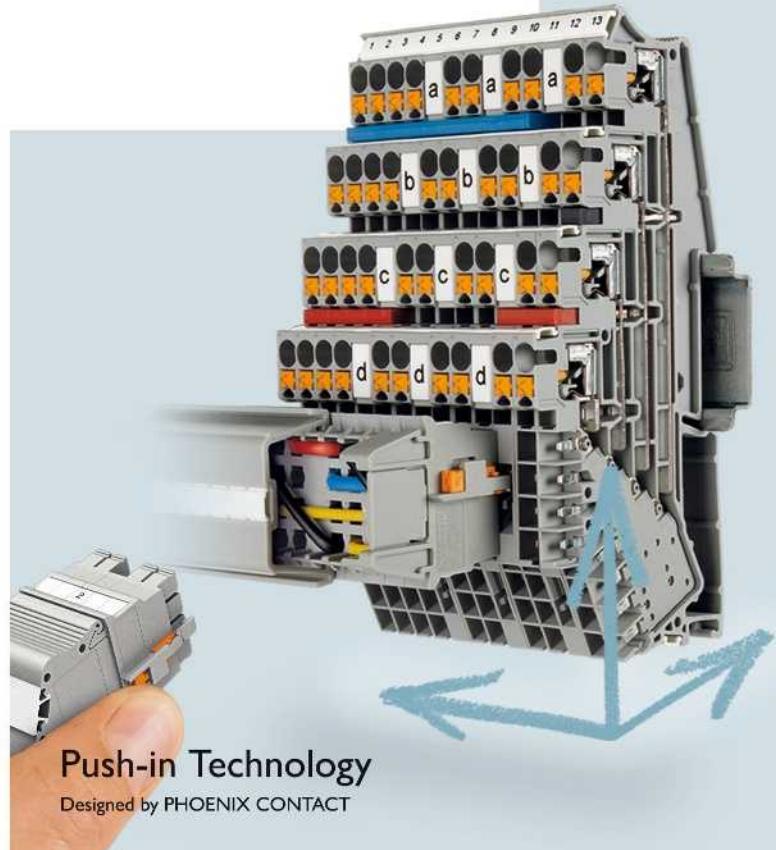




# Three-dimensional jumpering – PT four-level terminal blocks with push-in connection

The PT 2,5-4L... four-level terminal blocks allow you to route signals in your controllers and system sections using minimal space.

Based on the different jumper options in a terminal strip as well as the jumpering options in the freely configurable 4 pos. connectors, this terminal system allows extremely compact, three-dimensional signal distributors to be constructed.



## Flexible jumpering

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.



## Easy potential distribution

The FBS-PV PT 2,5-4L plug-in vertical bridge enables potential to be distributed easily between the levels of a terminal block. One function shaft is available for the cross connection of the potentials for each level.



## Modular structure

The jumper plug accessories feature a modular design and can be assembled tailored to the application. Screwless flange covers and corresponding flange terminal blocks have been implemented for additional fixing of the jumper and field plugs.

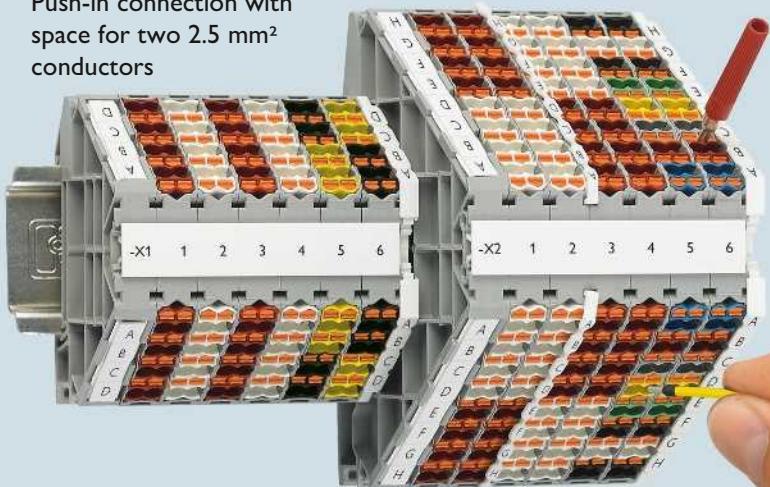


# Simple, reliable and intuitive marshalling – PTRV marshalling terminals with push-in connection

Jumper sensors and actuators easily and clearly with a compact solution. The configurable color coding ensures quick orientation and secure wiring. Large individually insertable label carriers enable matrix identification and provide the best possible overview in a control cabinet.

Feed-through terminal blocks of the same shape and a comprehensive range of accessories complete the product line.

Push-in connection with space for two  $2.5 \text{ mm}^2$  conductors



## Push-in Technology

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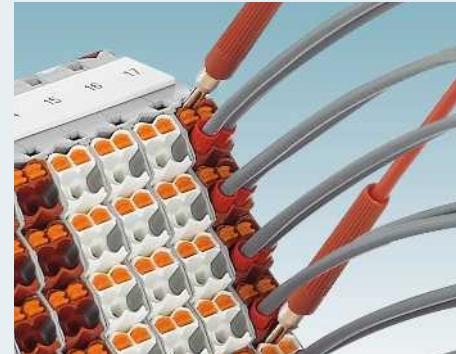
### Compact marshalling

Maximize your signal density using the only design of its kind on the market for compact marshalling terminals. Optional cabling duct combs also reduce expenses and space requirements.



### Reliable and intuitive

Wire by color: Freely configurable color assignment for conductors and terminal points enable reliable and intuitive installation. Configure the right marshalling terminal for your needs from eleven available colors.



### Easy testing

The easily accessible 2.3 mm test connection are centered between connection points. This lets you conveniently check the marshalling terminals at any level.



## Freely configurable marshalling terminals, see ordering example

Options for color configuration:

- ... /COL-RD = Left color can be configured, right red
- ... /COL-WH = Left color can be configured, right white
- ... /RD-COL = Left red, right color can be configured
- ... /WH-COL = Left white, right color can be configured
- ... /COL-COL = Left and right colors can be configured  
(one color per level)



Type	Order No.	Gray	PTRV 4 /COL-RD	3001754	
		Gray	PTRV 4 /COL-WH	3001871	
		Gray	PTRV 4 /RD-COL	3001872	
		Gray	PTRV 4 /WH-COL	3001874	
		Gray	PTRV 4 /COL-COL	3001875	
Width / Length / Height	[mm]		8.3 / 64 / 55.5		
Current / Voltage // UL	[A] / [V]		10 / 250 // -		
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -		0.14 - 2.5 / 26 - 12 // 0.14 - 2.5 / 26 - 14		
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ] / [mm <sup>2</sup> ]		0.14 - 2.5 / 0.14 - 1.5		
Can be plugged in directly: with ferrule / solid			0.34 - 2.5		

Options for color configuration:

- ... /COL-RDWH = Left color can be configured; right top for 4 levels red, bottom 4 levels white
- ... /COL-WHRD = Left color can be configured; right top 4 levels white, bottom 4 levels red
- ... /RDWH-COL = Left top 4 levels red, bottom 4 levels white; right color can be configured
- ... /WHRD-COL = Left top 4 levels white, bottom 4 levels red; right color can be configured
- ... /COL-COL = Left and right colors can be configured  
(one color per level)



Type	Order No.	Gray	PTRV 8 /COL-RDWH	3001851	
		Gray	PTRV 8 /COL-WHRD	3001876	
		Gray	PTRV 8 /RDWH-COL	3001877	
		Gray	PTRV 8 /WHRD-COL	3001878	
		Gray	PTRV 8 /COL-COL	3001879	
Width / Length / Height	[mm]		8.3 / 100 / 87.5		
Current / Voltage // UL	[A] / [V]		8 / 250 // -		
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -		0.14 - 2.5 / 26 - 12 // 0.14 - 2.5 / 26 - 14		
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ] / [mm <sup>2</sup> ]		0.14 - 2.5 / 0.14 - 1.5		
Can be plugged in directly: with ferrule / solid			0.34 - 2.5		

## Ordering example: Configurable marshalling terminals

### Ordering example:

An 8-level marshalling terminal is to have the following configuration in accordance with DIN VDE 0815:

The right side is marked red in the upper levels 1 - 4, and the lower levels 5 - 8 are marked white.

Please select order number 3001851 from the configurable items.

The levels on the left side should be colored.

Level 1: blue  
Level 2: red  
Level 3: gray  
Level 4: yellow  
Level 5: green  
Level 6: brown  
Level 7: white  
Level 8: black

Specify the color sequence when ordering, as illustrated below in the ordering example.

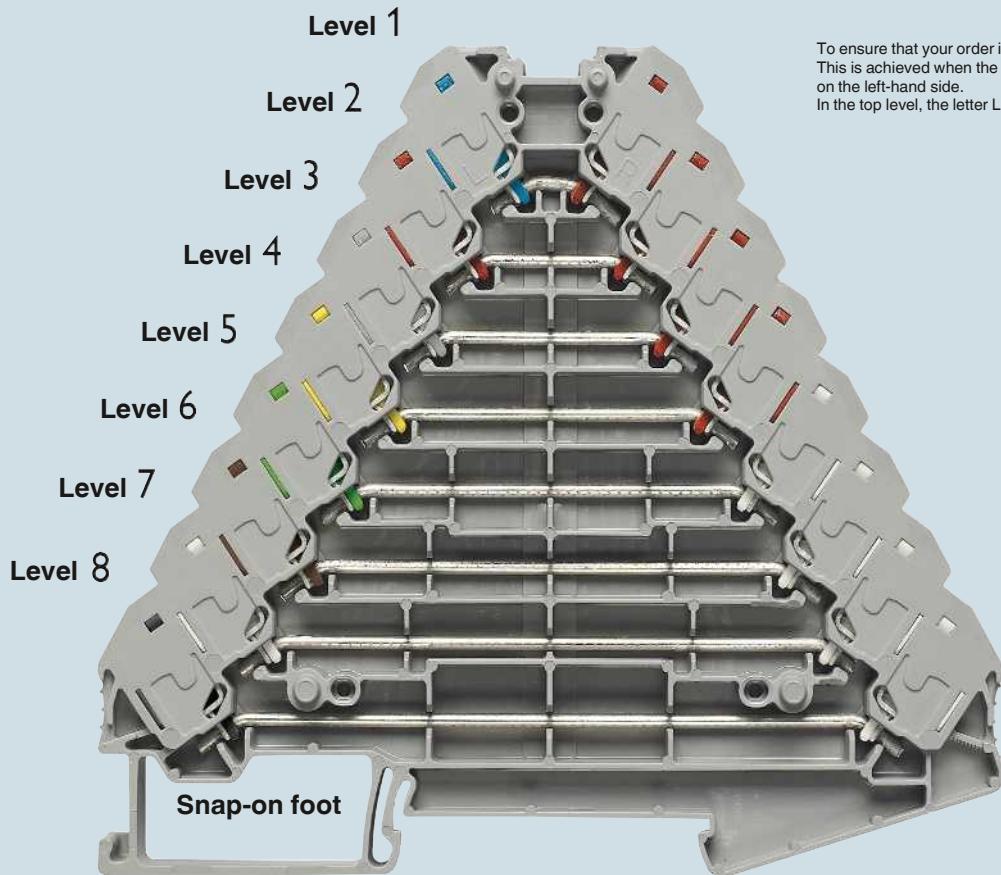
### Available colors:

BU	Blue
RD	Red
GY	Gray
YE	Yellow
GN	Green
BN	Brown
WH	White
BK	Black
VT	Violet
OG	Orange
PK	Pink



### The order data for this order example is therefore:

Order No.	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8
3001851	BU	RD	GY	YE	GN	BN	WH	BK



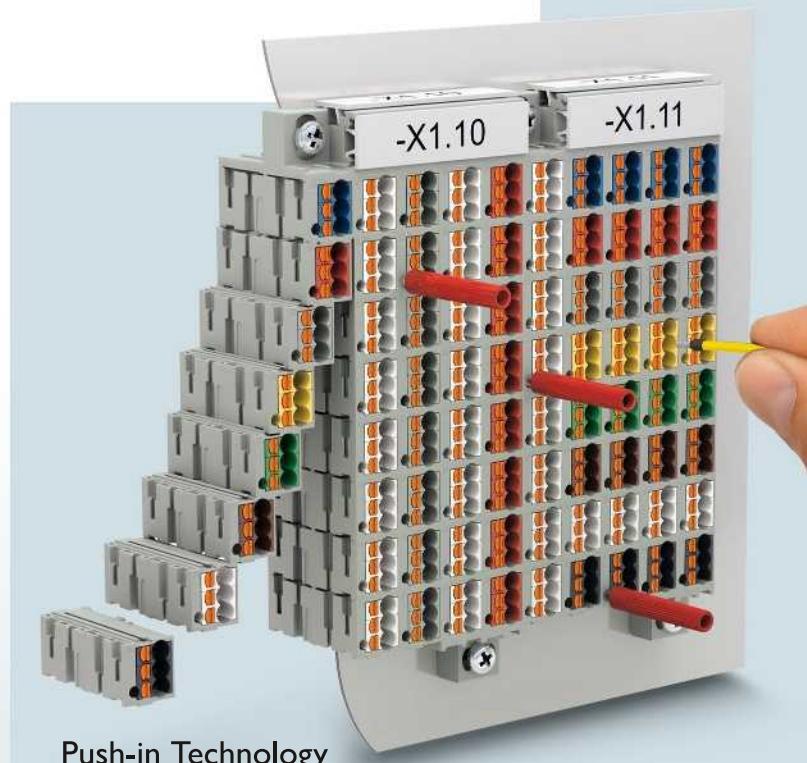
8 7 6 5 4 3 2 1



# Simple, reliable and intuitive marshalling – PTMC marshalling patchboard with push-in connection

Due to its design, the PTMC marshalling patchboard provides you with the highest signal density during marshalling in automation applications. The modular structure, accurate to the number of positions and with colored matrix elements, ensures space-saving, clearly arranged and error-free wiring.

Adapters are available for rack mounting as an alternative to DIN rail mounting.



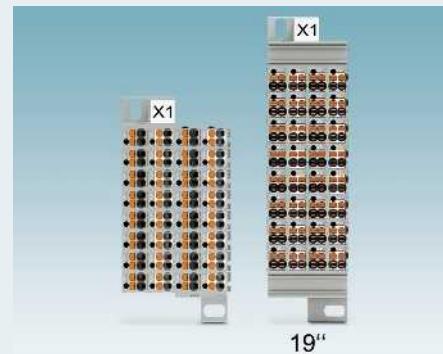
**Push-in Technology**

Designed by PHOENIX CONTACT



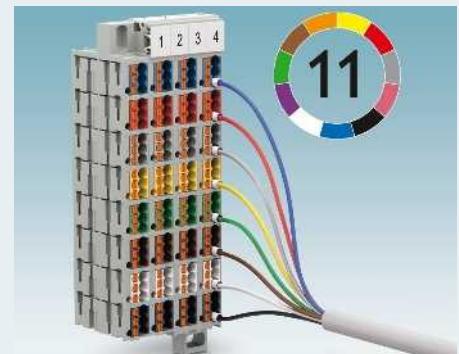
## Modular structure

The patchboard's marshalling system features a modular design and the positions can be configured specifically tailored to the application. The elements snap into place easily and securely, creating an extremely stable patchboard construction resistant to warping in its blocked form.



## Space-saving design

Up to 20% higher signal density compared to 19 inch variants available on the market thanks to its compact design.



## Reliable and intuitive

Wire by color: Freely configurable color assignment for conductors and terminal points enables reliable and intuitive installation. Configure the suitable marshalling patchboard from eleven available colors.

## Marshalling patchboards, for self-assembly

Type	Order No.	Gray White Blue Red Green Brown Black Violet Orange Yellow Pink	PTMC 1,5-2 /GY PTMC 1,5-2 /WH PTMC 1,5-2 /BU PTMC 1,5-2 /RD PTMC 1,5-2 /GN PTMC 1,5-2 /BN PTMC 1,5-2 /BK PTMC 1,5-2 /VT PTMC 1,5-2 /OG PTMC 1,5-2 /YE PTMC 1,5-2 /PK	3270302 3270303 3270430 3270431 3270432 3270433 3270434 3270435 3270436 3270437 3270438	PTMC 1,5-3 /GY PTMC 1,5-3 /WH PTMC 1,5-3 /BU PTMC 1,5-3 /RD PTMC 1,5-3 /GN PTMC 1,5-3 /BN PTMC 1,5-3 /BK PTMC 1,5-3 /VT PTMC 1,5-3 /OG PTMC 1,5-3 /YE PTMC 1,5-3 /PK	3270300 3270301 3270420 3270421 3270422 3270423 3270424 3270425 3270426 3270427 3270428
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ]	11 / 12.2 / 30 17.5 / 500 // - 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12 0.14 - 1.5 / 0.14 - 1.5 0.34 - 2.5	11 / 12.2 / 30 17.5 / 500 // - 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12 0.14 - 1.5 / 0.14 - 1.5 0.34 - 2.5			

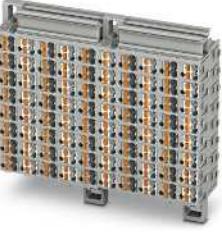
## Cover flange for direct mounting and marker adapter

A large, multi-terminal block assembly with various colored wires and a central metal frame.	A small, rectangular metal component designed to hold markers.	A small, rectangular metal component designed to hold markers.	A small, rectangular metal component designed to hold markers.
Type	Order No.	Gray	DF-PTMC-O 3270400 DF-PTMC-U 3270401 DF-PTMC-ZB 3270410
		Top	Bottom Marker carrier

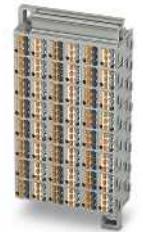
## Adapter for DIN rail mounting and marker adapter

A large, multi-terminal block assembly with various colored wires and a central metal frame.	A small, rectangular metal component designed to hold markers.		
Type	Order No.	Gray	DF-PTMC-NS 3270403 DF-PTMC-ZB 3270410
		DIN rail adapter	Marker carrier

## Marshalling patchboards, pre-assembled with four connections per element

					
Type	Order No.	Gray Blue	PTMC 1,5/32-2 3270314 PTMC 1,5/32-2 BU 3270315	PTMC 1,5/48-2 3270322 PTMC 1,5/48-2 BU 3270323	PTMC 1,5/80-2 3270329 PTMC 1,5/80-2 BU 3270330
Width / Length / Height	[mm]	44 / 73.2 / 30	66 / 73.2 / 30	110 / 73.2 / 30	
Current / Voltage // UL	[A] / [V]	17.5 / 500 // -	17.5 / 500 // -	17.5 / 500 // -	
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -	0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12	0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12	0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12	
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ]	0.14 - 1.5 / 0.14 - 1.5	0.14 - 1.5 / 0.14 - 1.5	0.14 - 1.5 / 0.14 - 1.5	
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ]	0.34 - 2.5	0.34 - 2.5	0.34 - 2.5	

## Marshalling patchboards, pre-assembled with six connections per element

					
Type	Order No.	Gray Blue	PTMC 1,5/32-3 3270310 PTMC 1,5/32-3 BU 3270312	PTMC 1,5/48-3 3270318 PTMC 1,5/48-3 BU 3270320	PTMC 1,5/80-3 3270324 PTMC 1,5/80-3 BU 3270326
Width / Length / Height	[mm]	44 / 102 / 30	66 / 102 / 30	110 / 102 / 30	
Current / Voltage // UL	[A] / [V]	17.5 / 500 // -	17.5 / 500 // -	17.5 / 500 // -	
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -	0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12	0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12	0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12	
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ]	0.14 - 1.5 / 0.14 - 1.5	0.14 - 1.5 / 0.14 - 1.5	0.14 - 1.5 / 0.14 - 1.5	
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ]	0.34 - 2.5	0.34 - 2.5	0.34 - 2.5	

## Marshalling patchboards, pre-assembled for 19 inch rack, four connections per element

				
Type	Order No.	Gray Blue	PTMC 1,5/32-2H 19Z PTMC 1,5/32-2H /BU 19Z	<a href="#">3270316</a> <a href="#">3270317</a>
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] [mm <sup>2</sup> ]	34.4 / 111 / 30 17.5 / 500 // - 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12 0.14 - 1.5 / 0.14 - 1.5 0.34 - 2.5		

## Marshalling patchboards, pre-assembled for 19 inch rack, six connections per element

				
Type	Order No.	Gray Blue	PTMC 1,5/32-3 19Z PTMC 1,5/32-3 /BU 19Z	<a href="#">3270311</a> <a href="#">3270313</a>
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] [mm <sup>2</sup> ]	44 / 111 / 30 17.5 / 500 // - 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12 0.14 - 1.5 / 0.14 - 1.5 0.34 - 2.5	PTMC 1,5/48-3 19Z PTMC 1,5/48-3 /BU 19Z	<a href="#">3270319</a> <a href="#">3270321</a>
		66 / 111 / 30 17.5 / 500 // - 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12 0.14 - 1.5 / 0.14 - 1.5 0.34 - 2.5	PTMC 1,5/80-3 19Z PTMC 1,5/80-3 /BU 19Z	<a href="#">3270325</a> <a href="#">3270327</a>

## Marshalling patchboards for free assembly for direct mounting

... -2-DF = 4 connections per element ... -3-DF = 6 connections per element				
Type	Order No.	Gray		
	PTMC 1,5/1-2-DF	3001937	PTMC 1,5/1-3-DF	3001929
	PTMC 1,5/2-2-DF	3001940	PTMC 1,5/2-3-DF	3001930
	PTMC 1,5/3-2-DF	3001942	PTMC 1,5/3-3-DF	3001931
	PTMC 1,5/4-2-DF	3001943	PTMC 1,5/4-3-DF	3001932
	PTMC 1,5/5-2-DF	3001944	PTMC 1,5/5-3-DF	3001933
	PTMC 1,5/6-2-DF	3001945	PTMC 1,5/6-3-DF	3001934
	PTMC 1,5/7-2-DF	3001946	PTMC 1,5/7-3-DF	3001935
	PTMC 1,5/8-2-DF	3001947	PTMC 1,5/8-3-DF	3001936
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ]	- / 30 / - 10 / 500 // - 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12 0.14 - 1.5 / 0.14 - 1.5 0.34 - 2.5	- / 30 / - 10 / 500 // - 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12 0.14 - 1.5 / 0.14 - 1.5 0.34 - 2.5	

## Marshalling patchboards for free assembly for DIN rail mounting

... -2-NS = 4 connections per element ... -3-NS = 6 connections per element				
Type	Order No.	Gray		
	PTMC 1,5/1-2-NS	3001915	PTMC 1,5/1-3-NS	3001905
	PTMC 1,5/2-2-NS	3001916	PTMC 1,5/2-3-NS	3001906
	PTMC 1,5/3-2-NS	3001917	PTMC 1,5/3-3-NS	3001907
	PTMC 1,5/4-2-NS	3001918	PTMC 1,5/4-3-NS	3001908
	PTMC 1,5/5-2-NS	3001919	PTMC 1,5/5-3-NS	3001910
	PTMC 1,5/6-2-NS	3001920	PTMC 1,5/6-3-NS	3001911
	PTMC 1,5/7-2-NS	3001921	PTMC 1,5/7-3-NS	3001913
	PTMC 1,5/8-2-NS	3001922	PTMC 1,5/8-3-NS	3001914
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ]	- / 63 / 22.6 10 / 500 // - 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12 0.14 - 1.5 / 0.14 - 1.5 0.34 - 2.5	- / 63 / 22.6 10 / 500 // - 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12 0.14 - 1.5 / 0.14 - 1.5 0.34 - 2.5	

## Ordering example: configurable marshalling patchboard

### Ordering example:

A marshalling patchboard should be configured as follows:

Actuation lever, screw fixing of marshalling patchboard, three connections per individual element.  
Four rows in the X direction and ten columns in the Y direction.

Please select order number [3001932](#) from the configurable items.  
In the order designation, the 4 means -> four rows in the X direction  
In the order designation, the 3 means -> three connections

Row 1: blue  
Row 2: red  
Row 3: gray  
Row 4: yellow

Only rows of the same color are viable in the X direction.

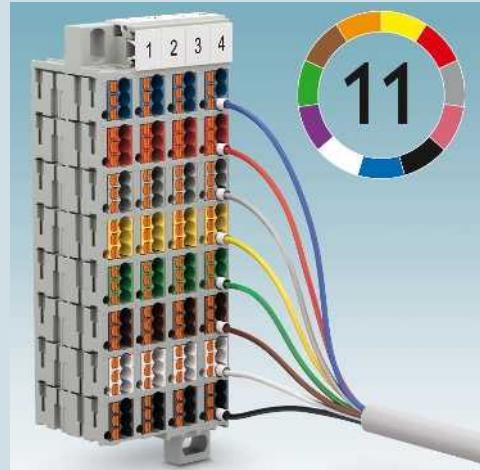
Please state the number of columns when ordering.

A minimum of 2 columns and a maximum of 20 columns can be ordered.

Please order marker adapter, DF-PTMC-ZB Order No. [3270410](#), as an accessory.

### Available colors:

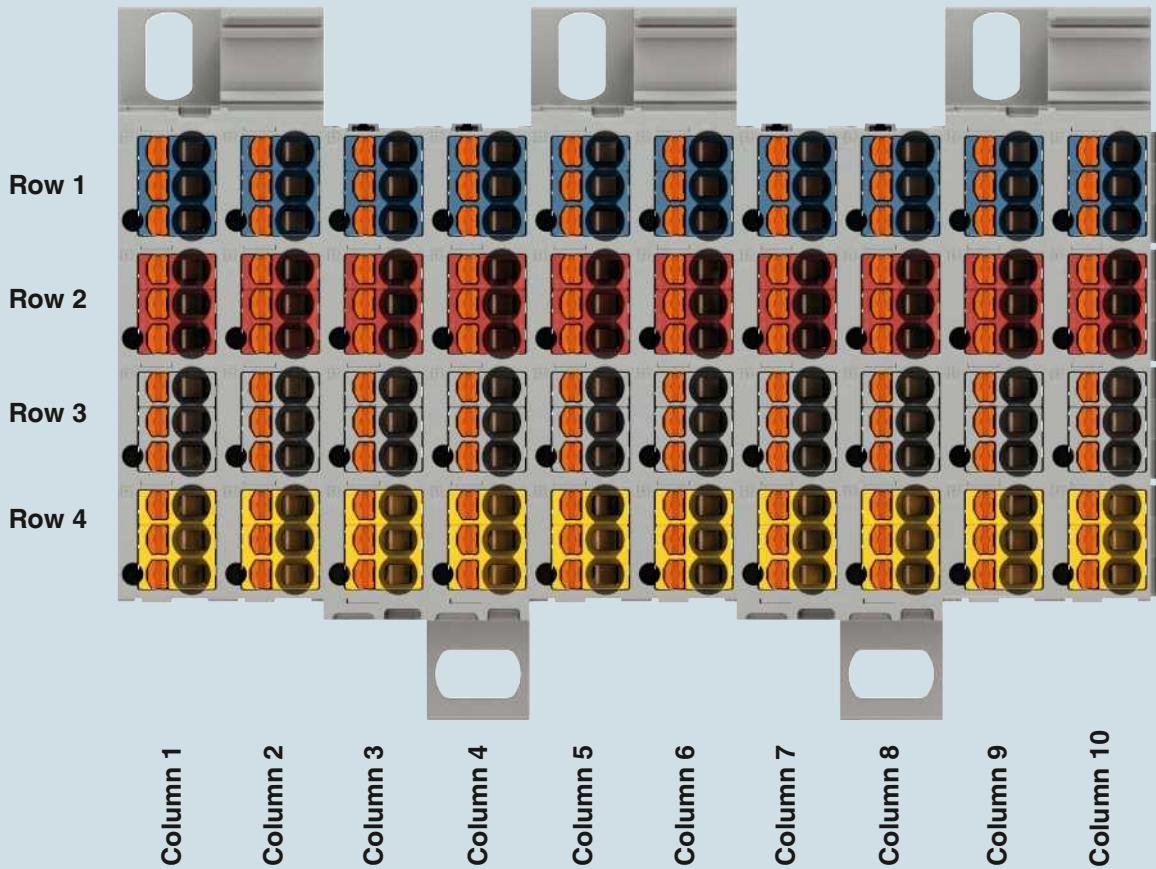
BU	Blue
RD	Red
GY	Gray
YE	Yellow
GN	Green
BN	Brown
WH	White
BK	Black
VT	Violet
OG	Orange
PK	Pink



### The order data for this order example is therefore:

Order No.	Columns	Row 1	Row 2	Row 3	Row 4
<a href="#">3001932</a>	/ 10 / BU / RD / GY / YE				

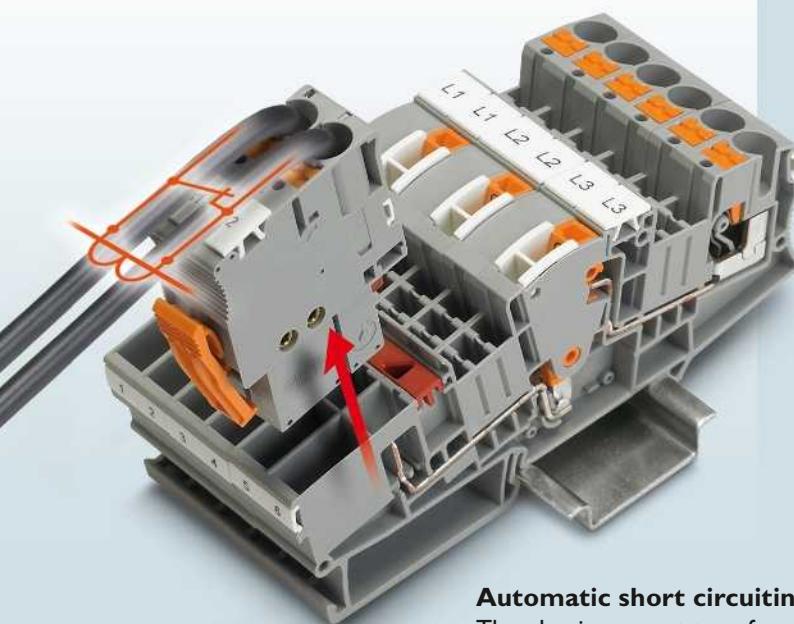
Fixing material for panel or DIN rail mounting will be supplied in sufficient quantities.



# Flexible for all transformer test wiring – PTME test disconnect terminal blocks

The new test disconnect terminal blocks can be used to design space-saving and modular switchgear. Feed-through and PE terminal blocks of the same shape are also available for the test disconnect terminal blocks. The patented short-circuit plug is particularly user-friendly and safe: measuring transducers are protected against damage by means of automatic short circuit.

CLIP PROJECT planning software provides support in planning your terminal strips quickly and conveniently.

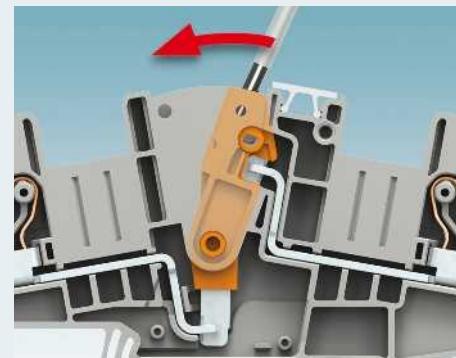
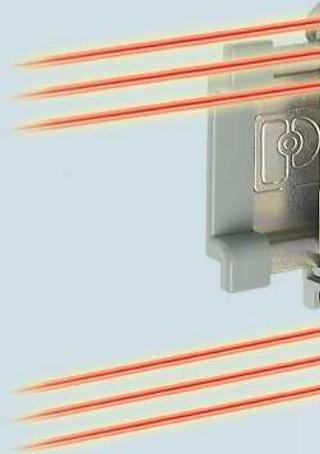


## Automatic short circuiting

The plug-in current transformer disconnect terminal blocks 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 plug's polarity from being reversed.

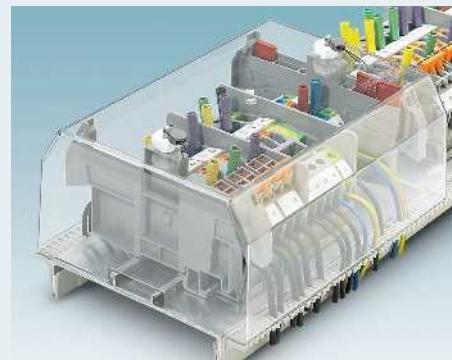
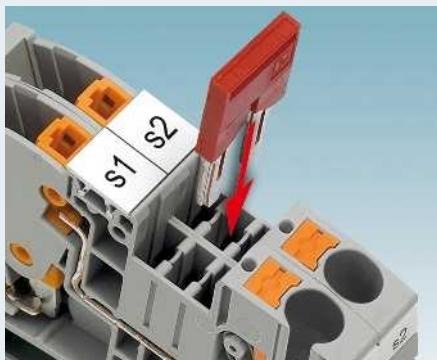
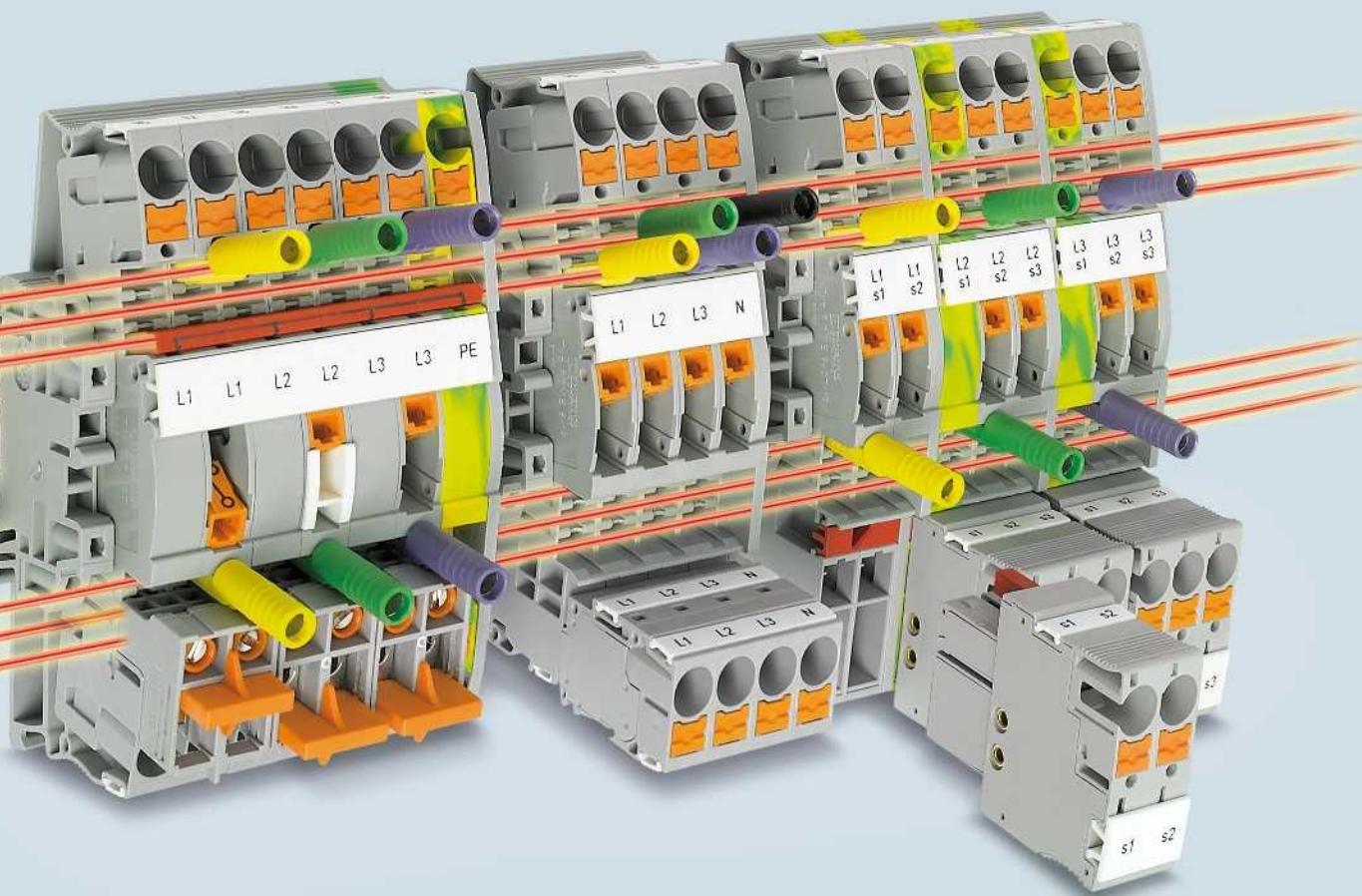
## Unlimited flexibility

The triple function shaft on both sides of the longitudinal disconnect point enables the individual placement of bridging, testing, and switching accessories. Non-adjacent jumpers allow the star point to be formed conveniently within the terminal strip, without the need for additional wire jumpers.



## Easy and safe isolation

The section 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 inside the measuring transducer terminal strip.



#### Safe short circuiting with switching jumpers

The plug-in current transformer short-circuit jumpers can be used individually, based on the switching task, in the terminal block function shafts.

The switching jumper disconnect element is operated with a screwdriver, which means that the switching operation is only ever activated intentionally.

#### Safe short circuiting with jumpers

The current transformer short circuit can be easily implemented using standard FBS jumpers. FBSRH versions with molded extraction tool are available with 2, 3 or 4 positions.

#### Safe covering

Cover profiles and covering hoods are available as accessories. These can be mounted and sealed on measuring transducer strips as protection against external influences and tampering.

## Push-in connection technology 4 mm<sup>2</sup>

... MED = Feed-through and protective conductor terminal of the same shape

<b>Type</b>	<b>Order No.</b>	<b>Gray Green-yellow</b>			
PTME 4	3212139	PTMED 4	3212141	PTMED 4-PE	3212154
Width / Length / Height [mm]	6.2 / 70.5 / 49.5	6.2 / 70.5 / 49.5	6.2 / 70.5 / 49.5		
Current / Voltage // UL [A] / [V]	24 / 500 // 26 / 300	24 / 500 // 26 / 300	- / - / - / -		
Solid / AWG // Stranded / AWG [mm <sup>2</sup> ] / -	0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12	0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12	0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12		
Stranded with ferrule without/with plastic sleeve [mm <sup>2</sup> ]	0.25 - 4	0.25 - 4	0.25 - 4		
Can be plugged in directly: with ferrule / solid [mm <sup>2</sup> ]	0.5 - 4 / 0.5 - 6	0.5 - 4 / 0.5 - 6	0.5 - 4 / 0.5 - 6		

## Push-in connection technology 6 mm<sup>2</sup>

<sup>1)</sup> Rated voltage of 1000 V

... MED = Feed-through and protective conductor terminal of the same shape

<b>Type</b>	<b>Order No.</b>	<b>Gray Gray Blue Green-yellow</b>			
PTME 6	3212170	PTMED 6	3212183	PTMED 6-PE	3212196
PTME 6 HV <sup>1)</sup>	3035696				
PTME 6 HV BU <sup>1)</sup>	3035695				
Width / Length / Height [mm]	8.2 / 100.8 / 49.6	8.2 / 100.8 / 49.6	8.2 / 100.8 / 49.6		
Current / Voltage // UL [A] / [V]	30 / 500 // 30 / 600	30 / 500 // 30 / 600	- / - / - / -		
Solid / AWG // Stranded / AWG [mm <sup>2</sup> ] / -	0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10	0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10	0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10		
Stranded with ferrule without/with plastic sleeve [mm <sup>2</sup> ]	0.5 - 6	0.5 - 6	0.5 - 6		
Can be plugged in directly: with ferrule / solid [mm <sup>2</sup> ]	1 - 6 / 1 - 10	1 - 6 / 1 - 10	1 - 6 / 1 - 10		

## Hybrid terminal blocks with screw connection on one side 6 mm<sup>2</sup>

### Note:

You can find wiring and testing accessories in the product area on our website at [phoenixcontact.net/products](http://phoenixcontact.net/products)

PTUD 6 = Feed-through terminal block with the same shape  
... -P = With 4 mm test sockets on the right and left of the disconnect zone

<b>Type</b>	<b>Order No.</b>		
PTU 6-T	3209535	PTUD 6	3209531
PTU 6-T-P	3209530	PTUD 6-P	3209537
Width / Length / Height [mm]	8.2 / 73.9 / 48	8.2 / 73.9 / 48	
Current / Voltage // UL [A] / [V]	52 / 500 // -	52 / 800 // -	
Solid/AWG	Screw	Push-in	
Stranded with ferrule without/with plastic sleeve [mm <sup>2</sup> ] / -	0.5 - 10 / 20 - 8	0.5 - 10 / 20 - 8	
Can be plugged in directly: with ferrule / solid [mm <sup>2</sup> ]	0.5 - 6	0.5 - 6	
	1 - 6	0.5 - 6	
		0.5 - 6	
		1 - 6	

## PT-COMBI push-in connection terminal blocks 6 mm<sup>2</sup>, plug-in connection

<sup>1)</sup> Derating curve on request

Type	Order No.	Gray	PTME 6/1P	3212306	Vertical conductor connection
1 pos.		Gray	PP-H 6/1)		3061541
2 pos.		Gray	PP-H 6/2		3061570
3 pos.		Gray	PP-H 6/3		3061583
4 pos.		Gray	PP-H 6/4		3061596
5 pos.		Gray	PP-H 6/5		3061606
6 pos.		Gray	PP-H 6/6		3061619
7 pos.		Gray	PP-H 6/7		3061622
8 pos.		Gray	PP-H 6/8		3061635
9 pos.		Gray	PP-H 6/9		3061648
10 pos.		Gray	PP-H 6/10		3061651
1 pos.		Blue	PP-H 6/1 BU		3061554
1 pos.		Green-yellow	PP-H 6/1 GNYE		3061567
Width / Length / Height	[mm]	8.2 / 99.4 / 49.6			
Current / Voltage // UL	[A] / [V]	30 / 500 // 30 / 600			
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -	0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 8			
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ]	0.5 - 6			
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ]	1.0 - 10			

## PT-COMBI push-in connection terminal blocks 6 mm<sup>2</sup>, plug-in connection, with automatic short-circuit function

... MED = Feed-through and protective conductor terminal of the same shape

Type	Order No.	Gray Green-yellow Gray Gray	PTME 6-CT/1P	3212306
			PTMED 6-CT/1P PTMED 6-CT/1P-PE	3212301 3212302
Width / Length / Height	[mm]	8.2 / 114.9 / 49.6		2 pos. and 3 pos. connectors
Current / Voltage // UL	[A] / [V]	30 / 500 // 30 / 600		PPCT 6/2 PPCT 6/3
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -	0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 8		3212304 3212305
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ]	0.5 - 6		
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ]	1 - 10		
			16.4 / 38.5 / 48.5 20 / 320 // 30 / 600 0.5 - 10 / 20 - 10 // 0.5 - 6 / 20 - 10 0.5 - 6 1 - 10	

## Accessories for connectors

	Coding set	Strain relief	Latching and strain relief	Locking mechanism
PP-H 6 ...	PC 3040588	PZ/2 3040627	PRZ 3040614	PR/2 3040630
PPCT 6/2	PC-CT 6/2 3212308	PZ/2 3040627	PRZ 3040614	PR/2 3040630
PPCT 6/3	PC-CT 6/3 3212309	PZ/2 3040627	PRZ 3040614	PR/2 3040630

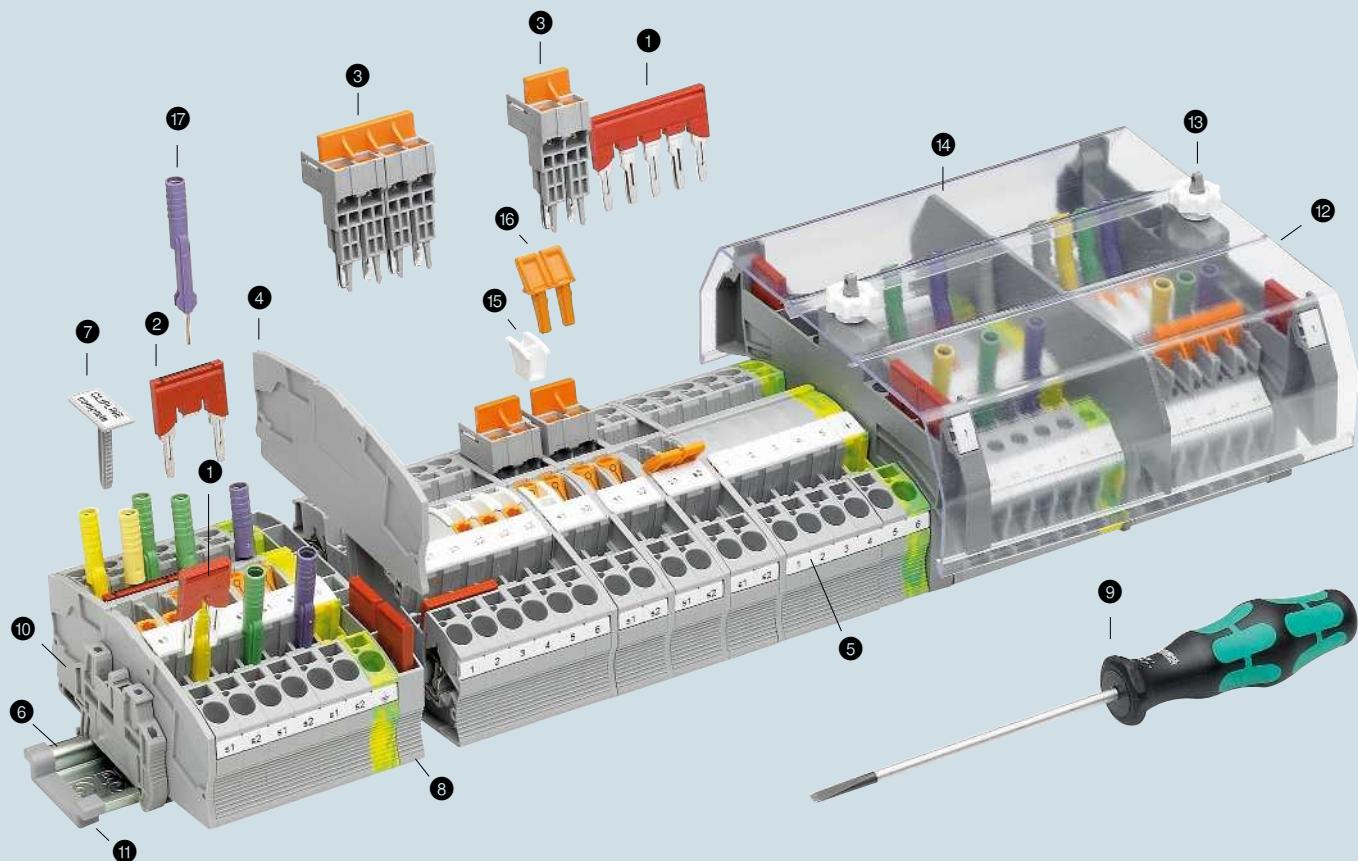
## PTME test disconnect terminal blocks – accessories

Mounting material	Type	Order No.	Mounting material	Type	Order No.	
⑥ 35 x 7.5 mm DIN rail galvanized and thick layer passivated unperforated perforated	NS 35/7.5 UNPERF 2000 MM NS 35/7.5 PERF 2000 MM	0801681 0801733	⑯ Connection bridge, for connecting test disconnect terminal blocks, for PTME 4	2 pos. 3 pos.	C-ME 4/2 C-ME 4/3	3035759 3035760
⑦ Terminal strip marker carriers, adjustable height, for CLIPFIX 35-5, can be marked with label	KLM 3-L	0814788	for PTME 6	1 pos. 2 pos. 3 pos.	C-ME 6/1 C-ME 6/2 C-ME 6/3	3034441 3034442 3034390
⑧ Separating disk, with storage option for jumpers FBS ...-8	CARRIER 35-8	3034387	⑰ Test adapter, for PTME 6	orange Yellow Green Violet Black Blue Red Gray Brown	PAI-4-FIX OG PAI-4-FIX YE PAI-4-FIX GN PAI-4-FIX VT PAI-4-FIX BK PAI-4-FIX BU PAI-4-FIX RD PAI-4-FIX GY PAI-4-FIX BN	3034455 3032745 3032758 3032761 3032774 3032729 3032732 3032790 3032787
⑨ Screwdriver	SZF 2-0,8X4,0	1204520	⑰ Test adapter, for PTME(D) 4	orange Yellow Green Violet Black Blue Red Gray Brown	PAI-4-FIX-5/6 OG PAI-4-FIX-5/6 YE PAI-4-FIX-5/6 GN PAI-4-FIX-5/6 VT PAI-4-FIX-5/6 BK PAI-4-FIX-5/6 BU PAI-4-FIX-5/6 RD PAI-4-FIX-5/6 GY PAI-4-FIX-5/6 BN	3035974 3035977 3035978 3035979 3035980 3035975 3035976 3035982 3035981
⑩ Quick mounting end bracket, with parking option for FBS...-6 Width / Length / Height 5 mm / 48.5 mm / 35 mm	CLIPFIX 35-5	3022276	1) Jumpers with molded extraction tool, for PTME 6	2 pos. FBSRH 2-8 3 pos. FBSRH 3-8 4 pos. FBSRH 4-8		3033802 3033803 3033804
⑪ DIN rail end cap, For DIN rail NS 35/7.5 For DIN rail NS 35/15	NS 35/7.5 CAP NS 35/15 CAP	1206560 1206573				
⑫ Cover profile	AP-ME METER	3034361				
⑬ Covering hood <sup>1)</sup>	AH-ME	3240265				
⑭ End brackets, for AP-ME cover profile, sealable, with storage option for jumpers	APH-ME	3034374				
⑮ Holder, for AP-ME cover profile	APT-ME	3034358				
⑯ Switching lock, plug-in, for PTME 4	S-ME 4 S-ME 6	3035758 3034439				

<sup>1)</sup> The figure can be found in the product area on our website.

Terminal block	Jumpers						Pre-assembled jumpers				
	2 pos.	3 pos.	4 pos.	5 pos.	10 pos.	I <sub>max.</sub>	3 pos. Position 1 and 3	4 pos. Position 1 and 4	5 pos. Position 1	5 pos. Position 1, 3 and 5	10 pos. Position 1, 4, 7 and 10
PTME ... 4 ...	FBS 2-6 <a href="#">3030336</a>	FBS 3-6 <a href="#">3030242</a>	FBS 4-6 <a href="#">3030255</a>	FBS 5-6 <a href="#">3030349</a>	FBS 10-6 <a href="#">3030271</a>	32 A	–	–	–	–	–
PTME ... 6 ...	FBS 2-8 <a href="#">3030284</a>	FBS 3-8 <a href="#">3030297</a>	FBS 4-8 <a href="#">3030307</a>	FBS 5-8 <a href="#">3030310</a>	FBS 10-8 <a href="#">3030323</a>	41 A	FBS 1/3-8 <a href="#">3032363</a>	FBS 1/4-8 <a href="#">3032376</a>	FBS 1/5-8 <a href="#">3032381</a>	FBS 1/3/5-8 <a href="#">3032389</a>	FBS 1/4/7/10-8 <a href="#">3032402</a>
PTME ... 6/1P	FBS 2-8 <a href="#">3030284</a>	FBS 3-8 <a href="#">3030297</a>	FBS 4-8 <a href="#">3030307</a>	FBS 5-8 <a href="#">3030310</a>	FBS 10-8 <a href="#">3030323</a>	41 A	FBS 1/3-8 <a href="#">3032363</a>	FBS 1/4-8 <a href="#">3032376</a>	FBS 1/5-8 <a href="#">3032381</a>	FBS 1/3/5-8 <a href="#">3032389</a>	FBS 1/4/7/10-8 <a href="#">3032402</a>
PTME 6-CT/1P-PE	FBS 2-8 <a href="#">3030284</a>	FBS 3-8 <a href="#">3030297</a>	FBS 4-8 <a href="#">3030307</a>	FBS 5-8 <a href="#">3030310</a>	FBS 10-8 <a href="#">3030323</a>	–	FBS 1/3-8 <a href="#">3032363</a>	FBS 1/4-8 <a href="#">3032376</a>	FBS 1/5-8 <a href="#">3032381</a>	FBS 1/3/5-8 <a href="#">3032389</a>	FBS 1/4/7/10-8 <a href="#">3032402</a>

Additional jumpers and numbers of positions can be found in catalog 3 or the product area on our website at [phoenixcontact.net/products](http://phoenixcontact.net/products).



I <sub>max.</sub>	2 pos.	Switching jumper <sup>2)</sup>			I <sub>max.</sub>	Cover	Marking	
		3 pos.	4 pos.	Center groove			Center and lateral groove	
–	SB-ME 2-6 <a href="#">3035755</a>	SB-ME 3-6 <a href="#">3035756</a>	SB-ME 4-6 <a href="#">3035757</a>	25 A	D-PTME 4 <a href="#">3212167</a>	UC-TM 6 <a href="#">0818085</a>	UC-TMF 6 <a href="#">0818140</a>	
41 A	SB-ME 2-8 <a href="#">3034468</a>	SB-ME 3-8 <a href="#">3032800</a>	SB-ME 4-8 <a href="#">3034484</a>	30 A	D-DTME 6 <a href="#">3034426</a>	UC-TM 8 <a href="#">0818072</a>	UC-TMF 8 <a href="#">0818137</a>	
41 A	SB-ME 2-8 <a href="#">3034468</a>	SB-ME 3-8 <a href="#">3032800</a>	SB-ME 4-8 <a href="#">3034484</a>	30 A	D-PTME 6/1P <a href="#">3212307</a>	UC-TM 8 <a href="#">0818072</a>	UC-TMF 8 <a href="#">0818137</a>	
41 A	–	–	–	–	D-PTME 6-CT/1P <a href="#">3212303</a>	UC-TM 8 <a href="#">0818072</a>	UC-TMF 8 <a href="#">0818137</a>	

<sup>2)</sup> Additional jumpers can be found in catalog 3 or in the product area on our website at [phoenixcontact.net/products](http://phoenixcontact.net/products).

# Safe and reliable testing – FAME test system with push-in connection

FAME 2 is the innovative test system for all measuring and testing tasks in network protection technology for medium and high-voltage switchgear. With the modular system, you can now perform manual testing operations automatically, safely, and more quickly.

The test system combines the switching operations of the functions current transformer, voltage transformer and signal contact in just one single block.



**The right solution for every application:**  
Variants for the control cabinet wall or DIN rail.

## Patented twist mechanism for controlled, safe switching



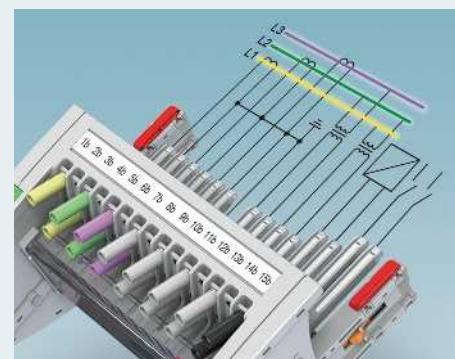
Step 1:  
Plug is locked  
– Transformer and signals isolated safely



Step 2:  
Plug is partially unlocked  
– transformer makes contact



Step 3:  
Plug is completely unlocked  
– Signal lines make contact



## Safe with forced switching sequence

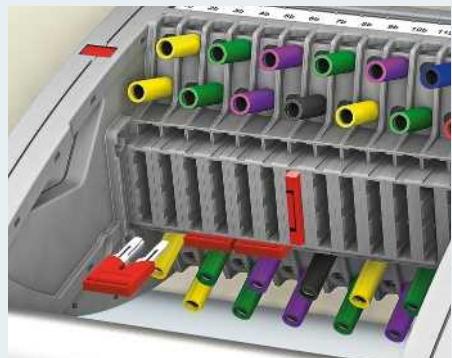
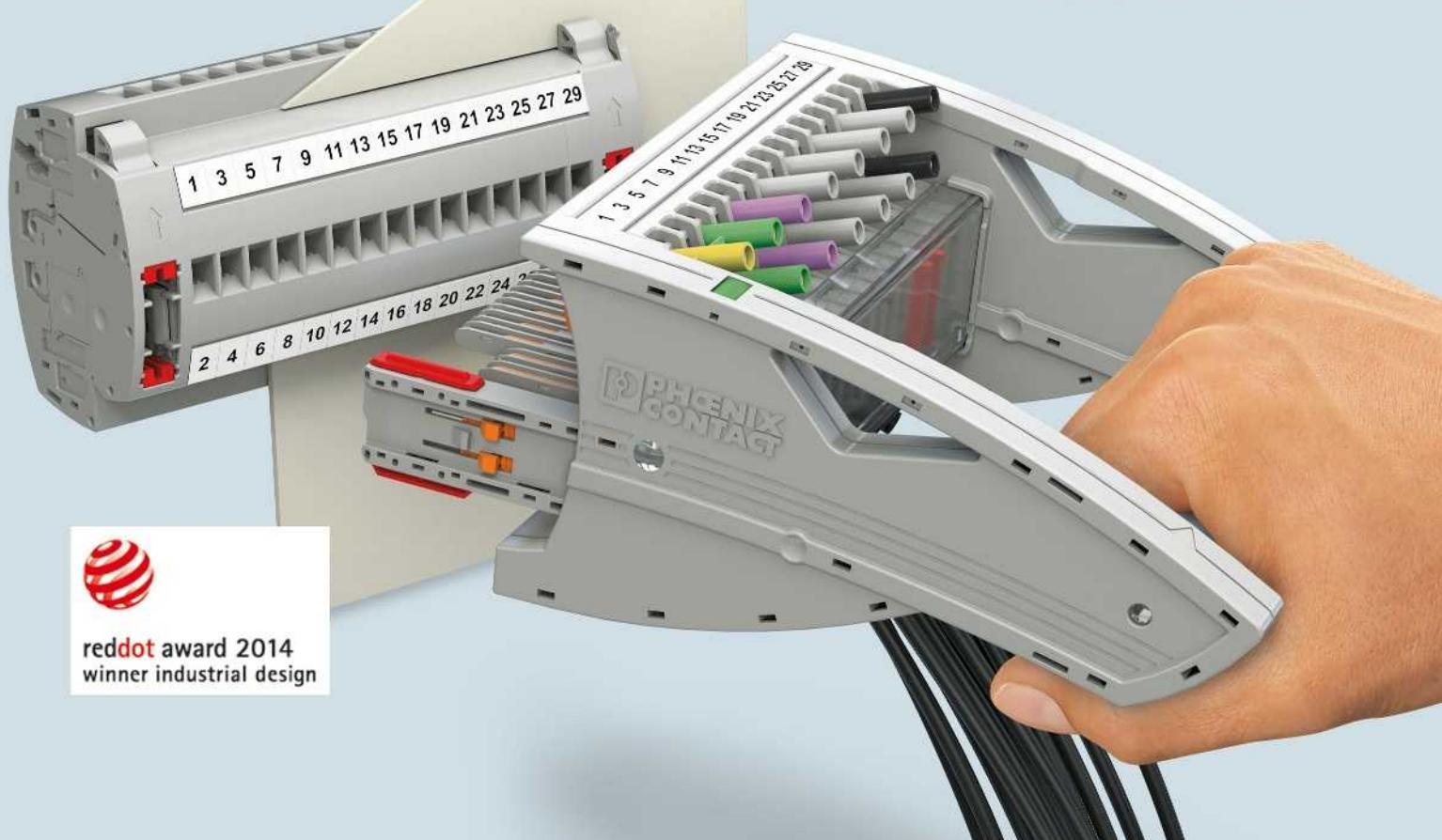
The test plug features three different contact tab lengths. With just one switching operation, it is possible to carry out the switching sequence of the individual functions with safe chronological disconnection. The plugs can be easily configured and ordered with just a click of the mouse in the E-shop.

## Easy installation

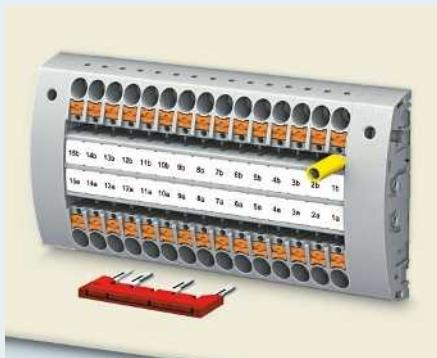
The patented wall fastening is easy to use and has a robust design.

## Push-in Technology

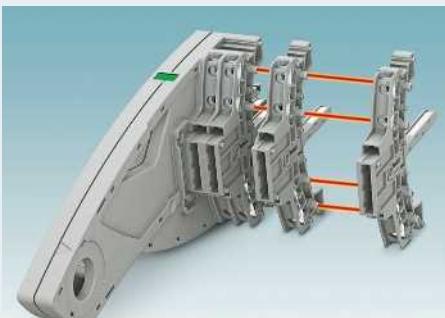
Designed by PHOENIX CONTACT



**Maximum flexibility when testing**  
The test plug provides three function shafts. Horizontally aligned, as leading short-circuit jumper - vertically aligned as through connection in the connector. Staggered test sockets enable the use of safety test leads in a confined space.



**Simple star-point bridging**  
In addition to the two marking grooves, the test terminal strips for wall mounting also offer two function shafts, or six function shafts in the case of the DIN rail version, inside the control cabinet for forming and grounding the star point.



## Modular design

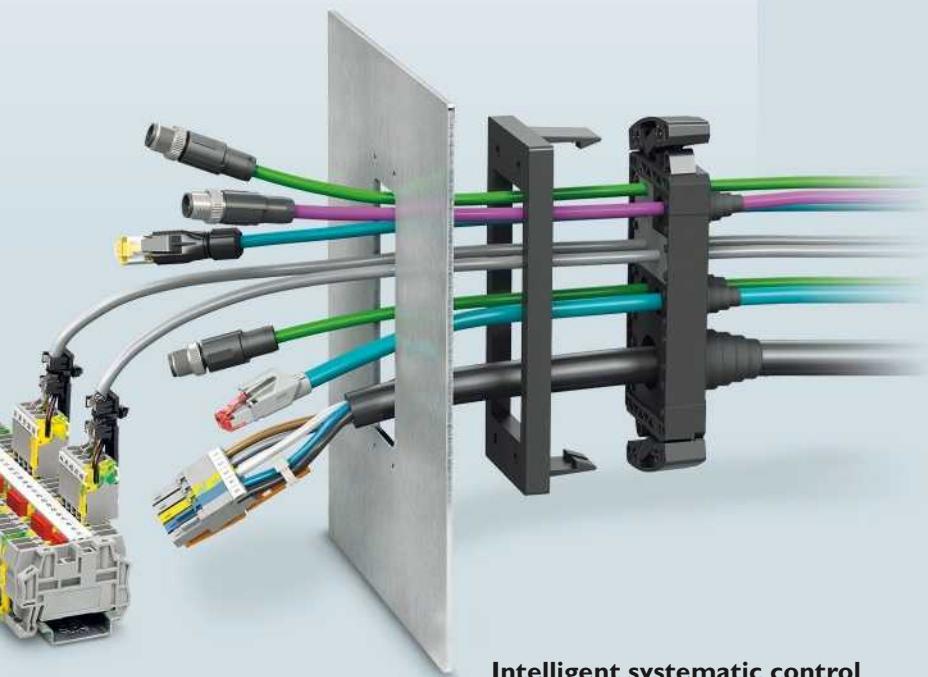
The compact and modular design of the system, as well as the connectors and test terminal strips, provides an extensive range of options for every application with 4 to 25 positions.

**Visit us online for product information:**  
[phoenixcontact.net/products](http://phoenixcontact.net/products)

# Modular connection solutions – PT plug-in terminal blocks with push-in connection

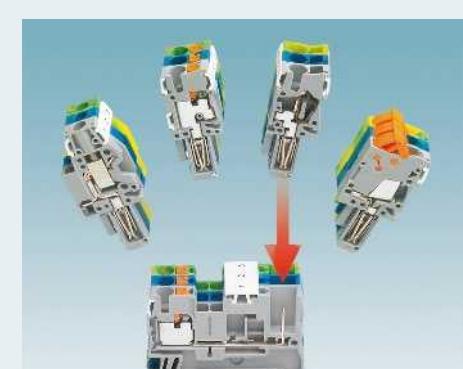
The COMBI connection system enables the time-saving and modular configuration of your application.

The nominal ratings up to 41 A and 1000 V provide a basis for a unique connection system for signal and power wiring. The system meets the most stringent of vibration requirements. Extensive accessories are available, from latching mechanisms to shield connections.



**Intelligent systematic control cabinet feed-through**

The CES cable entry system allows you to insert a variety of pre-assembled conductors, cables, and protective hoses into areas with limited space in control cabinets, distributor boxes or devices, in a way which protects them against water and dust.



## Uniform plug-in zone

The COMBI connection system enables the time-saving and modular configuration of your application. Its distinguishing feature is its standardized plug-in zone. This plug-in zone allows terminal blocks and plugs to be combined to suit the application, regardless of the connection technology.

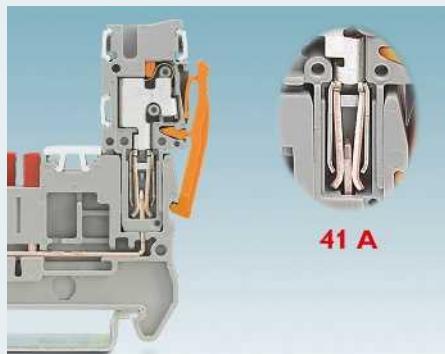
## Flexible design

Connector and coupling can be assembled to meet the application requirement thanks to their modular design.



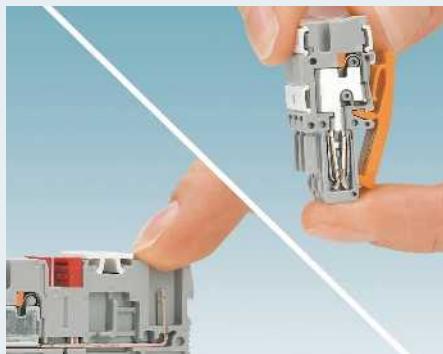
## Optional snap-on accessories

Connector latching, strain relief, or cable housing can be snapped on as required. All terminal points and connectors support clear, large-surface labeling.



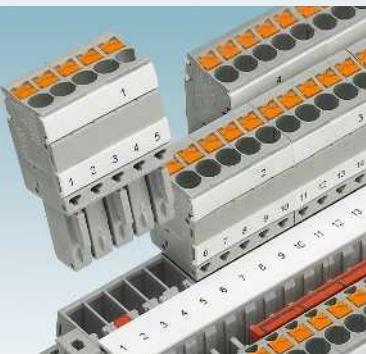
## Powerful contact

The COMBI connection system enables the implementation of a plug-in wiring solution up to a nominal current of 41 A and a nominal voltage of 1000 V. 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 connectors 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 connectors.



## Individual coding

Thanks to the straightforward, custom-coding option, wiring reliability is increased and incorrect connections are avoided. For this purpose, 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 on the connector.

## Plug-in COMBI terminal blocks

MPT ... Mini-terminals for installation on  
NS 15 15 mm DIN rails

<p><b>Type</b></p> <p><b>Order No.</b></p> <p>Gray Blue Green-yellow Gray Blue Green-yellow</p> <p><b>Width / Length / Height</b> <b>Current / Voltage // UL</b> <b>Solid / AWG // Stranded / AWG</b> Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid</p> <p>[mm] [A] / [V] [mm<sup>2</sup>] / – [mm<sup>2</sup>] [mm<sup>2</sup>]</p>	<p><b>MPT 1,5/S/1P</b> <b>MPT 1,5/S/1P BU</b> <b>MPT 1,5/S/1P-PE</b></p> <p><b>PT 1,5/S/1P</b> <b>PT 1,5/S/1P BU</b> <b>PT 1,5/S/1P-PE</b></p> <p><b>PT 2,5/1P</b> <b>PT 2,5/1P BU</b> <b>PT 2,5/1P-PE</b></p> <p>3248115 3248116 3248117 3208582 3208595 3212332 3210033 3210046 3210059</p> <p>3.5 / 33.55 / 28.1 17.5 / 500 // 15 / 600 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14 0.14 - 1.5 / 0.14 - 1 0.34 - 1.5 / 0.25 - 1.5</p> <p>3.5 / 46 / 32 17.5 / 500 // 15 / 600 0.14 - 1.5 / 26 - 16 // 0.14 - 1.5 / 26 - 14 0.14 - 1.5 / 0.14 - 1 0.34 - 1.5 / 0.25 - 1.5</p> <p>5.2 / 48.5 / 36.5 24 / 500 // 20 / 600 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4</p>	
<p><b>Type</b></p> <p><b>Order No.</b></p> <p>Gray Blue Green-yellow</p> <p><b>Width / Length / Height</b> <b>Current / Voltage // UL</b> <b>Solid / AWG // Stranded / AWG</b> Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid</p> <p>[mm] [A] / [V] [mm<sup>2</sup>] / – [mm<sup>2</sup>] [mm<sup>2</sup>]</p>	<p><b>PT 4/1P</b> <b>PT 4/1P BU</b> <b>PT 4/1P-PE</b></p> <p><b>PT 6/1P</b> <b>PT 6/1P BU</b> <b>PT 6/1P-PE</b></p> <p>3211937 3212007 3211942 3061758 3061761 3061774</p> <p>6.2 / 56 / 36.5 32 / 800 // 28 / 600 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12 0.25 - 4 0.5 - 4 / 0.5 - 6</p> <p>8.2 / 57.7 / 43.5 41 / 1000 // 40 / 600 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10 0.5 - 6 1 - 6 / 1 - 10</p>	
<p><b>Type</b></p> <p><b>Order No.</b></p> <p>Gray Blue Green-yellow</p> <p><b>Width / Length / Height</b> <b>Current / Voltage // UL</b> <b>Solid / AWG // Stranded / AWG</b> Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid</p> <p>[mm] [A] / [V] [mm<sup>2</sup>] / – [mm<sup>2</sup>] [mm<sup>2</sup>]</p>	<p><b>PT 1,5/S-TWIN/1P</b> <b>PT 1,5/S-TWIN/1P BU</b> <b>PT 1,5/S-TWIN/1P-PE</b></p> <p><b>PT 2,5-TWIN/1P</b> <b>PT 2,5-TWIN/1P BU</b> <b>PT 2,5-TWIN/1P-PE</b></p> <p>3212358 3212361 3212374 3209633 3209646 3209659</p> <p>3.5 / 55 / 32 17.5 / 500 // 15 / 600 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14 0.14 - 1.5 / 0.14 - 1 0.34 - 1.5 / 0.25 - 1.5</p> <p>5.2 / 60.5 / 36.5 24 / 500 // 20 / 600 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4</p>	
<p><b>Type</b></p> <p><b>Order No.</b></p> <p>Gray Blue Green-yellow</p> <p><b>Width / Length / Height</b> <b>Current / Voltage // UL</b> <b>Solid / AWG // Stranded / AWG</b> Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid</p> <p>[mm] [A] / [V] [mm<sup>2</sup>] / – [mm<sup>2</sup>] [mm<sup>2</sup>]</p>	<p><b>PT 1,5/S-QUATTRO/2P</b> <b>PT 1,5/S-QUATTRO/2P BU</b> <b>PT 1,5/S-QUATTRO/2P-PE</b></p> <p><b>PT 2,5-QUATTRO/2P</b> <b>PT 2,5-QUATTRO/2P BU</b> <b>PT 2,5-QUATTRO/2P-PE</b></p> <p><b>PT 6-QUATTRO/2P</b> <b>PT 6-QUATTRO/2P BU</b> <b>PT 6-QUATTRO/2P-PE</b></p> <p>3212390 3212400 3212413 3209662 3209675 3209688 3061826 3061839 3061842</p> <p>3.5 / 78.5 / 32 17.5 / 500 // 15 / 600 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14 0.14 - 1.5 / 0.14 - 1 0.34 - 1.5 / 0.25 - 1.5</p> <p>5.2 / 81 / 36.5 24 / 500 // 20 / 600 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4</p> <p>8.2 / 99.8 / 43.5 41 / 1000 // 40 / 600 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10 0.5 - 6 1 - 6 / 1 - 10</p>	

## Plug-in COMBI terminal blocks

Type	Order No.	Gray Blue Green-yellow	PT 2,5-HEXA/3P 3040044 PT 2,5-HEXA/3P BU 3040048 PT 2,5-HEXA/3P-PE 3040052	
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ]	5.2 / 111.2 / 35.3 24 / 500 // - 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4		
... -PV = With equipotential bonding				
Type	Order No.	Gray Blue Green-yellow	PTTB 1,5/S/2P 3212439 PTTB 1,5/S/2P BU 3212442 PTTB 1,5/S/2P-PE 3212455	PTTB 1,5/S/2P-PV 3212468
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ]	3.5 / 69.3 / 42.6 16 / 500 // 15 / 600 0.14 - 1.5 / 26 - 16 // 0.14 - 1.5 / 26 - 14 0.14 - 1.5 / 0.14 - 1 0.34 - 1.5 / 0.25 - 1.5		
... -PV = With equipotential bonding				
Type	Order No.	Gray Blue Green-yellow	PTTB 2,5/2P 3210871 PTTB 2,5/2P BU 3210884 PTTB 2,5/2P-PE 3210897	PTTB 2,5/2P-PV 3210907
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ]	5.2 / 71.5 / 47.5 22 / 500 // 20 / 600 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4		

## Plug-in desk-design COMBI terminal blocks

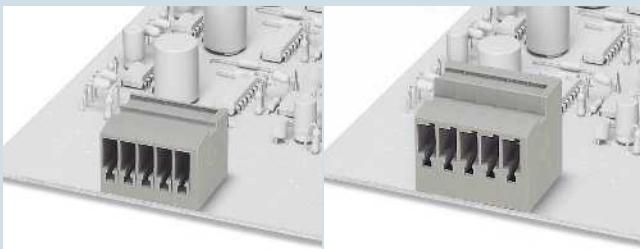
				
Type	Order No.	Gray Blue Green-yellow	PTS 1,5/S/1P 3214453 PTS 1,5/S/1P BU 3214466 PTS 1,5/S/1P-PE 3214479	PTS 1,5/S-TWIN/1P 3214709 PTS 1,5/S-TWIN/1P BU 3214712 PTS 1,5/S-TWIN/1P-PE 3214725
Width / Length / Height	[mm]		3.5 / 50.7 / 38.5	3.5 / 50.7 / 38.5
Current / Voltage // UL	[A] / [V]		17.5 / 500 // 15 / 600	17.5 / 500 // 15 / 600
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -		0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14	0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ]		0.14 - 1.5 / 0.14 - 1	0.14 - 1.5 / 0.14 - 1
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ]		0.34 - 1.5 / 0.25 - 1.5	0.34 - 1.5 / 0.25 - 1.5
... -PV = With equipotential bonding				
				
Type	Order No.	Gray Blue Gray Green-yellow	PTTBS 1,5/S/2P 3214495 PTTBS 1,5/S/2P BU 3214505 PTTBS 1,5/S/2P-PV 3214521 PTTBS 1,5/S/2P-PE 3214518	
Width / Length / Height	[mm]		3.5 / 78 / 55	
Current / Voltage // UL	[A] / [V]		16 / 500 // 15 / 600	
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -		0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14	
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ]		0.14 - 1.5 / 0.14 - 1	
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ]		0.34 - 1.5 / 0.25 - 1.5	
... -PV = With equipotential bonding				
				
Type	Order No.	Gray Blue Gray Green-yellow	PTTBS 2,5-TWIN/2P 3210604 PTTBS 2,5-TWIN/2P BU 3210605 PTTBS 2,5-TWIN/2P-PV 3210607 PTTBS 2,5-TWIN/2P-PE 3210606	
Width / Length / Height	[mm]		5.2 / 111.8 / 55	
Current / Voltage // UL	[A] / [V]		24 / 500 // -	
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -		0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14	
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ]		0.14 - 2.5	
			0.34 - 2.5 / 0.34 - 4	

## Plug-in COMBI PIN/PIN terminal blocks

Type	Order No.	Gray Blue Green-yellow	PT 1,5/S/2P 3213784 PT 1,5/S/2P BU 3213797 PT 1,5/S/2P-PE 3213810	ST 2,5/2P 3042133 ST 2,5/2P BU 3042094 ST 2,5/2P-PE 3042146	ST 4/2P 3042735 ST 4/2P BU 3043789 ST 4/2P-PE 3042748
Width / Length / Height [mm]	Current / Voltage // UL [A] / [V]	3.5 / 45.8 / 32 17.5 / 500 // 15 / 600	5.2 / 49.1 / 36.5 24 / 500 // 20 / 600	6.2 / 55.9 / 36.5 32 / 800 // -	
Solid / AWG // Stranded / AWG [mm <sup>2</sup> ] / -	0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14	0.08 - 4 / 28 - 12 // 0.08 - 2.5 / 28 - 14	0.08 - 6 / 28 - 10 // 0.08 - 4 / 28 - 12		
Stranded with ferrule without/with plastic sleeve [mm <sup>2</sup> ]	0.14 - 1.5 / 0.14 - 1	0.14 - 2.5	0.14 - 4		
... -PV = With equipotential bonding					
Type	Order No.	Gray Blue Green-yellow Gray	ST 2,5-QUATTRO/4P 3042159 ST 2,5-QUATTRO/4P BU 3042081 ST 2,5-QUATTRO/4P-PE 3042162	PTTB 1,5/S/4P 3213865 PTTB 1,5/S/4P BU 3213878 PTTB 1,5/S/4P-PE 3213881 PTTB 1,5/S/4P-PV 3213852	STTB 2,5/4P 3061486 STTB 2,5/4P BU 3061512 STTB 2,5/4P-PE 3061499 STTB 2,5/4P-PV 3061509
Width / Length / Height [mm]	Current / Voltage // UL [A] / [V]	5.2 / 89.5 / 36.5 24 / 500 // 20 / 600	3.5 / 93.9 / 42.6 16 / 500 // 15 / 600	5.2 / 98.8 / 47.5 22 / 500 // 20 / 600	
Solid / AWG // Stranded / AWG [mm <sup>2</sup> ] / -	0.08 - 4 / 28 - 12 // 0.08 - 2.5 / 28 - 14	0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14	0.08 - 4 / 28 - 12 // 0.08 - 2.5 / 28 - 14		
Stranded with ferrule without/with plastic sleeve [mm <sup>2</sup> ]	0.14 - 2.5	0.14 - 1.5 / 0.14 - 1	0.14 - 2.5		



## Self-assembly COMBI headers for PCB connection



Type	Order No.	2 pos. 3 pos. 4 pos. 5 pos. 6 pos. 7 pos. 8 pos. 9 pos. 10 pos. 11 pos. 12 pos.	ST 2,5-PCB/ 2-G-5,2 ST 2,5-PCB/ 3-G-5,2 ST 2,5-PCB/ 4-G-5,2 ST 2,5-PCB/ 5-G-5,2 ST 2,5-PCB/ 6-G-5,2 ST 2,5-PCB/ 7-G-5,2 ST 2,5-PCB/ 8-G-5,2 ST 2,5-PCB/ 9-G-5,2 ST 2,5-PCB/ 10-G-5,2 ST 2,5-PCB/ 11-G-5,2 ST 2,5-PCB/ 12-G-5,2	<a href="#">1980378</a> <a href="#">1980381</a> <a href="#">1980394</a> <a href="#">1980404</a> <a href="#">1980417</a> <a href="#">1980420</a> <a href="#">1980433</a> <a href="#">1980446</a> <a href="#">1980459</a> <a href="#">1980462</a> <a href="#">1980475</a>	ST 4-PCB/ 2-G-6,2 ST 4-PCB/ 3-G-6,2 ST 4-PCB/ 4-G-6,2 ST 4-PCB/ 5-G-6,2 ST 4-PCB/ 6-G-6,2 ST 4-PCB/ 7-G-6,2 ST 4-PCB/ 8-G-6,2 ST 4-PCB/ 9-G-6,2 ST 4-PCB/ 10-G-6,2 ST 4-PCB/ 11-G-6,2 ST 4-PCB/ 12-G-6,2	<a href="#">1980598</a> <a href="#">1980608</a> <a href="#">1980611</a> <a href="#">1980624</a> <a href="#">1980637</a> <a href="#">1980640</a> <a href="#">1980653</a> <a href="#">1980666</a> <a href="#">1980679</a> <a href="#">1980682</a> <a href="#">1980695</a>
Pitch Current / Voltage // UL	[mm] [A] / [V]	5.2 24 / 500 // -		6.2 32 / 800 // -		
Type	Order No.	2 pos. 3 pos. 4 pos. 5 pos. 6 pos. 7 pos. 8 pos. 9 pos. 10 pos. 11 pos. 12 pos.	ST 2,5-PCBV/ 2-G-5,2 ST 2,5-PCBV/ 3-G-5,2 ST 2,5-PCBV/ 4-G-5,2 ST 2,5-PCBV/ 5-G-5,2 ST 2,5-PCBV/ 6-G-5,2 ST 2,5-PCBV/ 7-G-5,2 ST 2,5-PCBV/ 8-G-5,2 ST 2,5-PCBV/ 9-G-5,2 ST 2,5-PCBV/ 10-G-5,2 ST 2,5-PCBV/ 11-G-5,2 ST 2,5-PCBV/ 12-G-5,2	<a href="#">1980488</a> <a href="#">1980491</a> <a href="#">1980501</a> <a href="#">1980514</a> <a href="#">1980527</a> <a href="#">1980530</a> <a href="#">1980543</a> <a href="#">1980556</a> <a href="#">1980569</a> <a href="#">1980572</a> <a href="#">1980585</a>	ST 4-PCBV/ 2-G-6,2 ST 4-PCBV/ 3-G-6,2 ST 4-PCBV/ 4-G-6,2 ST 4-PCBV/ 5-G-6,2 ST 4-PCBV/ 6-G-6,2 ST 4-PCBV/ 7-G-6,2 ST 4-PCBV/ 8-G-6,2 ST 4-PCBV/ 9-G-6,2 ST 4-PCBV/ 10-G-6,2 ST 4-PCBV/ 11-G-6,2 ST 4-PCBV/ 12-G-6,2	<a href="#">1980705</a> <a href="#">1980718</a> <a href="#">1980721</a> <a href="#">1980734</a> <a href="#">1980747</a> <a href="#">1980750</a> <a href="#">1980763</a> <a href="#">1980776</a> <a href="#">1980789</a> <a href="#">1980792</a> <a href="#">1980802</a>
Pitch Current / Voltage // UL	[mm] [A] / [V]	5.2 24 / 500 // -		6.2 32 / 800 // -		

## COMBI connectors

					
Type	Order No.	1 pos. 2 pos. 3 pos. 4 pos. 5 pos. 6 pos. 7 pos. 8 pos. 9 pos. 10 pos. 11 pos. 12 pos. 13 pos. 14 pos. 15 pos. Blue Green-yellow	PP-H 1,5/S/1 <b>3212484</b> PP-H 1,5/S/2 <b>3212510</b> PP-H 1,5/S/3 <b>3212523</b> PP-H 1,5/S/4 <b>3212536</b> PP-H 1,5/S/5 <b>3212549</b> PP-H 1,5/S/6 <b>3212552</b> PP-H 1,5/S/7 <b>3212565</b> PP-H 1,5/S/8 <b>3212578</b> PP-H 1,5/S/9 <b>3212581</b> PP-H 1,5/S/10 <b>3212594</b> PP-H 1,5/S/11 <b>3212604</b> PP-H 1,5/S/12 <b>3212617</b> PP-H 1,5/S/13 <b>3212620</b> PP-H 1,5/S/14 <b>3212633</b> PP-H 1,5/S/15 <b>3212646</b> PP-H 1,5/S/1 BU <b>3212497</b> PP-H 1,5/S/1 GNYE <b>3212507</b>	PP-H 2,5/1 <b>3209866</b> PP-H 2,5/2 <b>3209879</b> PP-H 2,5/3 <b>3209883</b> PP-H 2,5/4 <b>3209895</b> PP-H 2,5/5 <b>3209905</b> PP-H 2,5/6 <b>3209918</b> PP-H 2,5/7 <b>3209921</b> PP-H 2,5/8 <b>3209934</b> PP-H 2,5/9 <b>3209947</b> PP-H 2,5/10 <b>3209950</b> PP-H 2,5/11 <b>3209963</b> PP-H 2,5/12 <b>3209976</b> PP-H 2,5/13 <b>3209989</b> PP-H 2,5/14 <b>3209992</b> PP-H 2,5/15 <b>3210004</b> PP-H 2,5/1 BU <b>3210017</b> PP-H 2,5/1 GNYE <b>3210020</b>	PP-H 4/1 <b>3212010</b> PP-H 4/2 <b>3212016</b> PP-H 4/3 <b>3212022</b> PP-H 4/4 <b>3212029</b> PP-H 4/5 <b>3212035</b> PP-H 4/6 <b>3212041</b> PP-H 4/7 <b>3212048</b> PP-H 4/8 <b>3212054</b> PP-H 4/9 <b>3212061</b> PP-H 4/10 <b>3212067</b> PP-H 4/11 <b>3212074</b> PP-H 4/12 <b>3212080</b> PP-H 4/13 <b>3212087</b> PP-H 4/14 <b>3212093</b> PP-H 4/15 <b>3212100</b> PP-H 4/1 BU <b>3212077</b> PP-H 4/1 GNYE <b>3212088</b>
Width / Length / Height	[mm]	- / 16.5 / 31.3	- / 15.8 / 39	- / 21 / 42.3	
Current / Voltage // UL	[A] / [V]	17.5 / 500 // 15 / 600	24 / 500 // 20 / 600	32 / 800 // 28 / 600	
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -	0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14	0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14	0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12	
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ] / -	0.14 - 1.5 / 0.14 - 1	0.14 - 2.5	0.25 - 4	
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ] / -	0.34 - 1.5 / 0.25 - 1.5	0.34 - 2.5 / 0.34 - 4	0.5 - 4 / 0.5 - 6	
					
Type	Order No.	1 pos. 2 pos. 3 pos. 4 pos. 5 pos. 6 pos. 7 pos. 8 pos. 9 pos. 10 pos. Blue Green-yellow	PP-H 6/1 <b>3061541</b> PP-H 6/2 <b>3061570</b> PP-H 6/3 <b>3061583</b> PP-H 6/4 <b>3061596</b> PP-H 6/5 <b>3061606</b> PP-H 6/6 <b>3061619</b> PP-H 6/7 <b>3061622</b> PP-H 6/8 <b>3061635</b> PP-H 6/9 <b>3061648</b> PP-H 6/10 <b>3061651</b> PP-H 6/1 BU <b>3061554</b> PP-H 6/1 GNYE <b>3061567</b>		
Width / Length / Height	[mm]	- / 21 / 49.3	- / 21 / 49.3		
Current / Voltage // UL	[A] / [V]	32 / 800 // 40 / 600	32 / 800 // 40 / 600		
Solid / AWG // Stranded / AWG	[mm <sup>2</sup> ] / -	0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10	0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10		
Stranded with ferrule without/with plastic sleeve	[mm <sup>2</sup> ] / -	0.5 - 6	0.5 - 6		
Can be plugged in directly: with ferrule / solid	[mm <sup>2</sup> ] / -	1 - 6 / 1 - 10	1 - 6 / 1 - 10		

## Self-assembly COMBI connectors

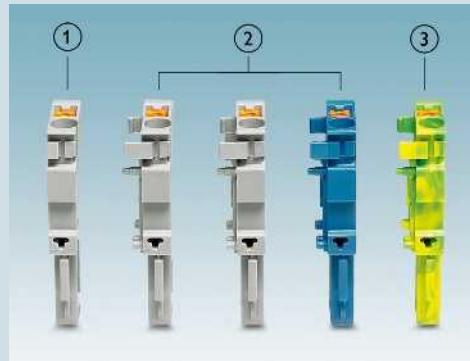
Type	Order No.	Gray Blue Green-yellow	PP-H 1,5/S/1-L PP-H 1,5/S/1-L BU PP-H 1,5/S/1-L GNYE  PP-H 1,5/S/1-M PP-H 1,5/S/1-M BU PP-H 1,5/S/1-M GNYE  PP-H 1,5/S/1-R PP-H 1,5/S/1-R BU PP-H 1,5/S/1-R GNYE	3212659 3212662 3212675  3212688 3212691 3212701  3212714 3212727 3212730
		Gray Blue Green-yellow	PP-H 2,5/1-L PP-H 2,5/1-L BU PP-H 2,5/1-L GNYE  PP-H 2,5/1-M PP-H 2,5/1-M BU PP-H 2,5/1-M GNYE  PP-H 2,5/1-R PP-H 2,5/1-R BU PP-H 2,5/1-R GNYE	3210062 3210075 3210088  3210091 3210101 3210114  3210127 3210130 3210143
		Gray Blue Green-yellow	PP-H 4/1-L PP-H 4/1-L BU PP-H 4/1-L GNYE  PP-H 4/1-M PP-H 4/1-M BU PP-H 4/1-M GNYE  PP-H 4/1-R PP-H 4/1-R BU PP-H 4/1-R GNYE	3211948 3211951 3211958  3211965 3211964 3211971  3211977 3211980 3211987
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ]	3.5 / 16.5 / 31.3 17.5 / 500 // 15 / 600 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14 0.14 - 1.5 / 0.14 - 1 0.34 - 1.5 / 0.25 - 1.5	5.2 / 15.8 / 39 24 / 500 // 20 / 600 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	6.2 / 21 / 42.3 32 / 800 // 28 / 600 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12 0.25 - 4 0.5 - 4 / 0.5 - 6

Type	Order No.	Gray Blue Green-yellow	PP-H 6/1-L PP-H 6/1-L BU PP-H 6/1-L GNYE  PP-H 6/1-M PP-H 6/1-M BU PP-H 6/1-M GNYE  PP-H 6/1-R PP-H 6/1-R BU PP-H 6/1-R GNYE	3061664 3061677 3061680  3061693 3061703 3061716  3061729 3061732 3061745
		Gray Blue Green-yellow	PP-H 6/1-L PP-H 6/1-L BU PP-H 6/1-L GNYE  PP-H 6/1-M PP-H 6/1-M BU PP-H 6/1-M GNYE  PP-H 6/1-R PP-H 6/1-R BU PP-H 6/1-R GNYE	3061664 3061677 3061680  3061693 3061703 3061716  3061729 3061732 3061745
		Gray Blue Green-yellow	PP-H 6/1-L PP-H 6/1-L BU PP-H 6/1-L GNYE  PP-H 6/1-M PP-H 6/1-M BU PP-H 6/1-M GNYE  PP-H 6/1-R PP-H 6/1-R BU PP-H 6/1-R GNYE	3061664 3061677 3061680  3061693 3061703 3061716  3061729 3061732 3061745
Width / Length / Height Current / Voltage // UL Solid / AWG // Stranded / AWG Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	[mm] [A] / [V] [mm <sup>2</sup> ] / - [mm <sup>2</sup> ] / - [mm <sup>2</sup> ]	8.2 / 21 / 49.3 41 / 1000 // 40 / 600 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10 0.5 - 6 1 - 6 / 1 - 10		

## Self-assembly COMBI connectors with push-in connection

- The push-in COMBI connectors for self-assembly provide solutions that users can implement themselves
- Robust cable housings for strain relief on connecting cables are available
- The connector is assembled directly on site by snapping together single-position plug elements. See an example of how these go together on the right.

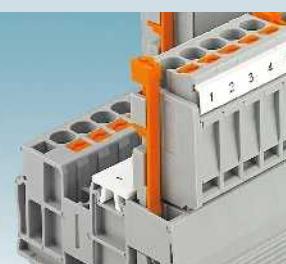


- ① PP-H 1,5/S/1-L  
② PP-H 1,5/S/1-M and PP-H 1,5/S/1-M BU  
③ PP-H 1,5/S/1-R GNYE

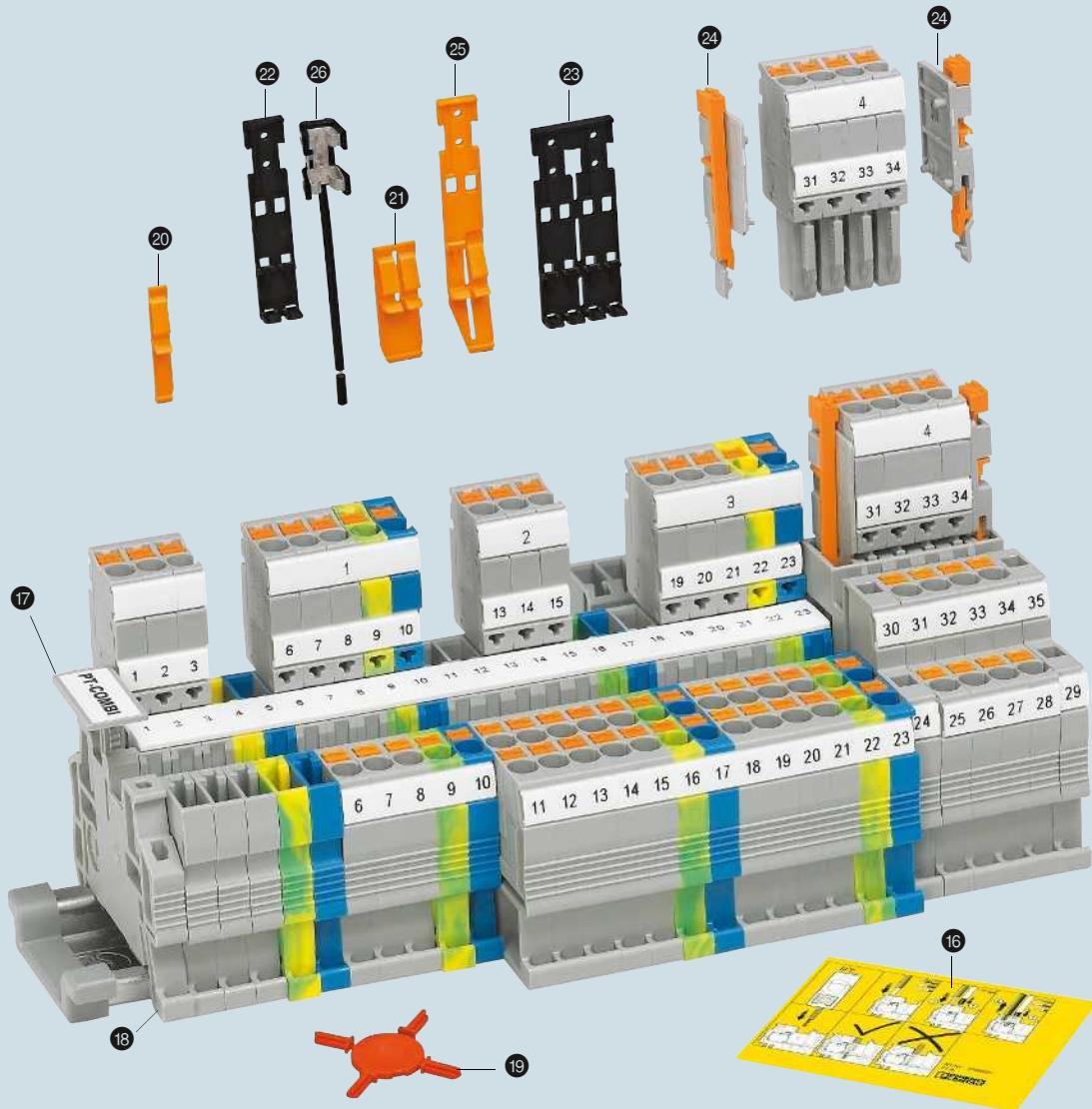
## Cable housing for COMBI connectors

						
Type	Order No.	2 pos. 3 pos. 4 pos. 5 pos. 6 pos. 7 pos. 8 pos. 9 pos. 10 pos. 11 pos. 12 pos. 13 pos. 14 pos. 15 pos.	PH 1,5/S/3 3212756 PH 1,5/S/4 3212769 PH 1,5/S/5 3212772 PH 1,5/S/6 3212785 PH 1,5/S/7 3212798 PH 1,5/S/8 3212808 PH 1,5/S/9 3212811 PH 1,5/S/10 3212824 PH 1,5/S/11 3212837 PH 1,5/S/12 3212840 PH 1,5/S/13 3212853 PH 1,5/S/14 3212888 PH 1,5/S/15 3212879	PH 2,5/2 3209691 PH 2,5/3 3209701 PH 2,5/4 3209714 PH 2,5/5 3209727 PH 2,5/6 3209730 PH 2,5/7 3209743 PH 2,5/8 3209756 PH 2,5/9 3209507 PH 2,5/10 3209769 PH 2,5/11 3209772 PH 2,5/12 3209785 PH 2,5/13 3209798 PH 2,5/14 3209808 PH 2,5/15 3209811	PH 4/2 3000734 PH 4/3 3000736 PH 4/4 3000737 PH 4/5 3000738 PH 4/6 3000739 PH 4/7 3000740 PH 4/8 3000741 PH 4/9 3000742 PH 4/10 3000743	3000734 3000736 3000737 3000738 3000739 3000740 3000741 3000742 3000743
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	CPH 3-9	3212015	CPH 3-9	3212015	CPH 3-9	3212015
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	CPH 4-12	3212028	CPH 4-12	3212028	CPH 4-12	3212028
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	HSR	3212031	HSR	3212031
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	HSH-METALL	3210910	HSH-METALL	3210910
						
Type	Order No.	2 pos. 3 pos. 4 pos. 5 pos. 6 pos. 7 pos.	PH 6/2 3000680 PH 6/3 3000681 PH 6/4 3000682 PH 6/5 3000683 PH 6/6 3000684 PH 6/7 3000685			
Bend protection sleeve, for 9 - 15 mm cable diameter, suitable for PH 6/2 - PH 6/7	CPH 9-15	3000768				
Cable clamp, with screws, suitable for PH 6/2 - PH 6/7	HSR 6/8	3000769				
Shield connection, suitable for PH 6/2 - PH 6/7	HSH-METALL-6/8	3000770				

## PT-COMBI self-locking flange and self-locking flange cover

				
Type	Order No.	Self-locking flange ST 2,5/1P-FS 3061376 ST 2,5-TWIN/1P-FS 3061389 ST 2,5-QUATTRO/2P-FS 3061392 ST 2,5-QUATTRO/4P-FS 3061402 ST 2,5/2P-FS 3061415 STTB 2,5/2P-FS 3061428	For: PT 2,5/1P... PT 2,5-TWIN/1P... PT 2,5-QUATTRO/2P... PT 2,5-QUATTRO/4P... PT 2,5/2P... PTTB 2,5/2P...	Self-locking flange cover DFS-SP-H 2,5 3061431

## COMBI accessories



Accessories PT-COMBI terminal blocks	Terminal strip marker carriers <b>KLM 3-L</b> <b>0814788</b>	Quick mounting end brackets	Coding star	Shielding
			<b>PC</b> <b>3040588</b>	<b>PSH 3-6</b> <b>3040591</b>

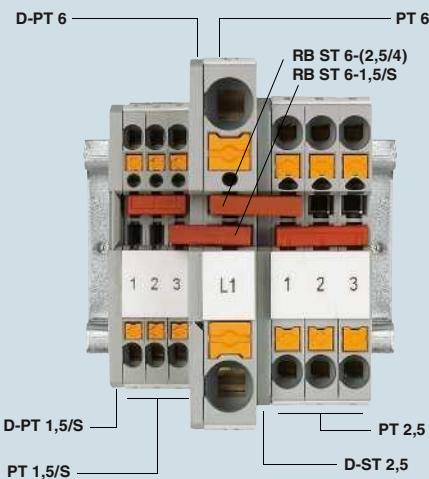
  

Accessories PT-COMBI connectors	Connector	20	21	22	23	24	25
		Locking mechanism	Strain relief	Self-locking flange cover	Latching and strain relief		
	PP-H 1,5...	<b>PR 1,5/S</b> <b>3212882</b>	<b>PR 1,5/S/2</b> <b>3212895</b>	<b>PZ 1,5/S/2</b> <b>3212918</b>	—	—	<b>PRZ 1,5/S</b> <b>3212905</b>
	PP-H 2,5...	<b>PR</b> <b>3040559</b>	<b>PR/2</b> <b>3040630</b>	<b>PZ/2</b> <b>3040627</b>	<b>PZ/4</b> <b>3040643</b>	<b>DFS-SP-H 2,5</b> <b>3061431</b>	<b>PRZ</b> <b>3040614</b>
	PP-H 4...	<b>PR</b> <b>3040559</b>	<b>PR/2</b> <b>3040630</b>	<b>PZ/2</b> <b>3040627</b>	—	—	<b>PRZ</b> <b>3040614</b>
	PP-H 6...	<b>PR</b> <b>3040559</b>	<b>PR/2</b> <b>3040630</b>	<b>PZ/2</b> <b>3040627</b>	—	—	<b>PRZ</b> <b>3040614</b>

<sup>1)</sup> Release with just a screwdriver

## PT accessories

Example of a 6 mm<sup>2</sup> central supply with RB ST 6-(2,5/4) reducing bridge on PT 2,5 and RB ST 6-1,5/S on PT 1,5/S



### Reduction bridging with standard feed-through terminal blocks

Supply		Tap-off		Single-sided supply	Center infeed	
Terminal block	Cross section [mm <sup>2</sup> ]	Terminal block	Cross section [mm <sup>2</sup> ]	I <sub>max.</sub> [A]	I <sub>max.</sub> [A]	Bridge
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
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	FBS 2-6 3030336
PT 6	6	QTC 2,5	2.5	40	40	
		PT 1,5/S	1.5	26	52	RB ST 6-1,5/S 3213250
		PT 2,5	2.5	40	56	
		PT 4	4	45	56	
		ST 2,5	2.5	40	56	
		ST 4	4	45	56	
		QTC 1,5	1.5	35	56	
PT 10	10	QTC 2,5	2.5	40	56	
		PT 2,5	2.5	40	65	
		PT 4	4	45	65	
		ST 2,5	2.5	40	65	RB ST 10-(2,5/4) 3030873
		ST 4	4	45	65	
		QTC 1,5	1.5	35	65	
PT 16	16	QTC 2,5	2.5	40	65	
		PT 1,5/S	1.5	24	48	RB ST 16-1,5/S 3213254
		PT 2,5	2.5	40	80	
		PT 4	4	45	90	
		ST 2,5	2.5	40	80	
		ST 4	4	45	90	
		QTC 1,5	1.5	35	70	
PTPOWER 35	35	QTC 2,5	2.5	40	80	
		PT 2,5	2.5	40	80	
		PT 2,5	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	
		PT 16 ST 16	16	90	90	RB PTPOWER 35-ST 16 3032170

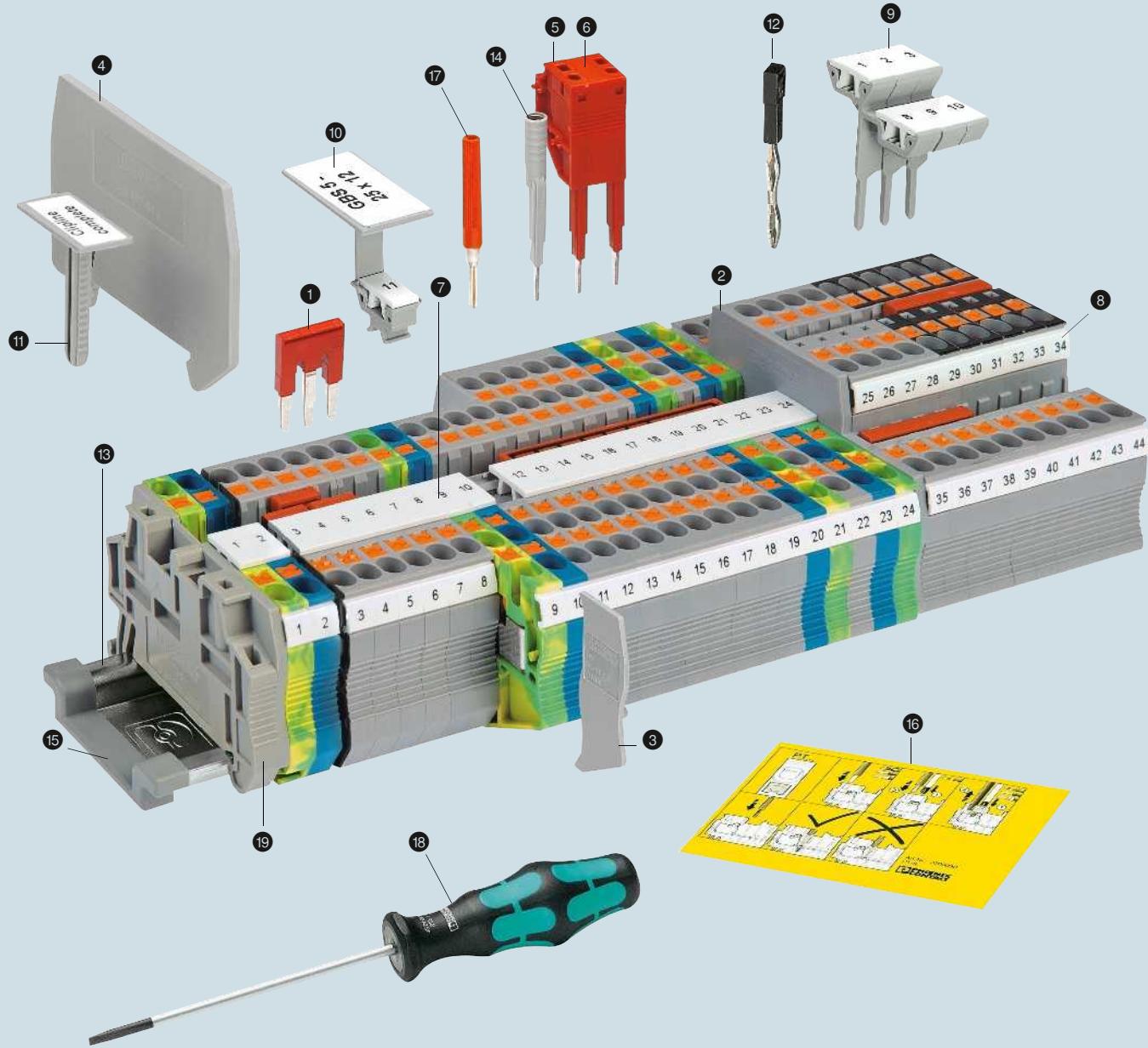
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Terminal block	Test plugs consist of:		Quick mounting end bracket	Mounting material	
	Metal part, 2.3 mm diameter	Insulating sleeve, red		Group labelling field	Terminal strips, marker carrier
PT... 1,5 PTTB... 1,5...	MPS-MT 0201744	MPS-IH RD 0201676	CLIPFIX 35-5 3022276	—	KLM 3-L 0814788
PT... 2,5... PTTB... 2,5...				GBS 5-25X12 0810588	
PT 2,5-4L/1...					
PT... 4... PTTB... 4...					
PT... 6...					
PT... 10...					
PT... 16...					



13

13

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16

18

**Mounting material**

DIN rail 35 x 7,5 mm	DIN rail 35 x 15 mm	DIN rail connection piece	Adhesive label with assembly instructions	Screwdriver
<b>NS 35/7,5 UNPERF 2000MM 0801681</b> <b>NS 35/7,5 PERF 2000MM 0801733</b>	<b>NS 35/15 UNPERF 2000MM 1201714</b> <b>NS 35/15 PERF 2000MM 1201730</b>	<b>NS 35/7,5 CAP 1206560</b> <b>NS 35/15 CAP 1206573</b>	<b>PT-IL 3208090</b>	<b>SZF 0-0,4X2,5 1204504</b> <b>SZF 1-0,6X3,5 1204517</b> <b>SZF 1-0,6X3,5 1204517</b> <b>SZF 1-0,6X3,5 1204517</b> <b>SZF 2-0,8X4,0 1204520</b> <b>SZF 3-1,0X5,5 1206612</b> <b>SZF 3-1,0X5,5 1206612</b>









# CLIP PROJECT – Planning and marking software

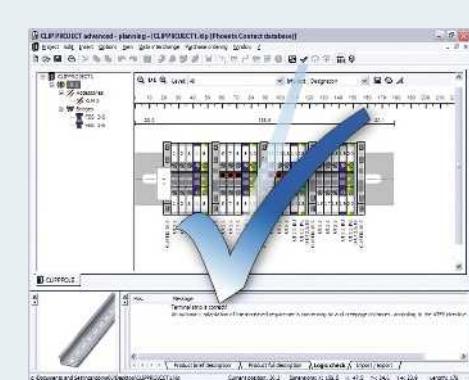
CLIP PROJECT combines our proven planning software for terminal strip configuration with a high-performance marking tool. Direct data exchange with all conventional CAE programs, along with the creation of the complete project documentation, are what make this configuration software unique.

And there's more: CLIP PROJECT also lets you create the marking for all of your applications.

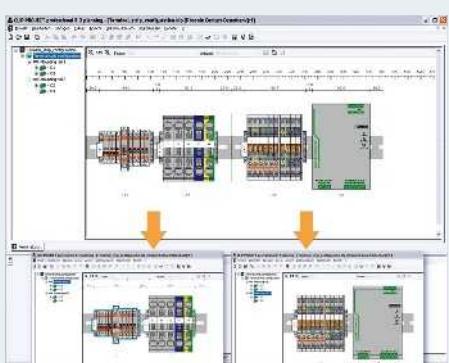
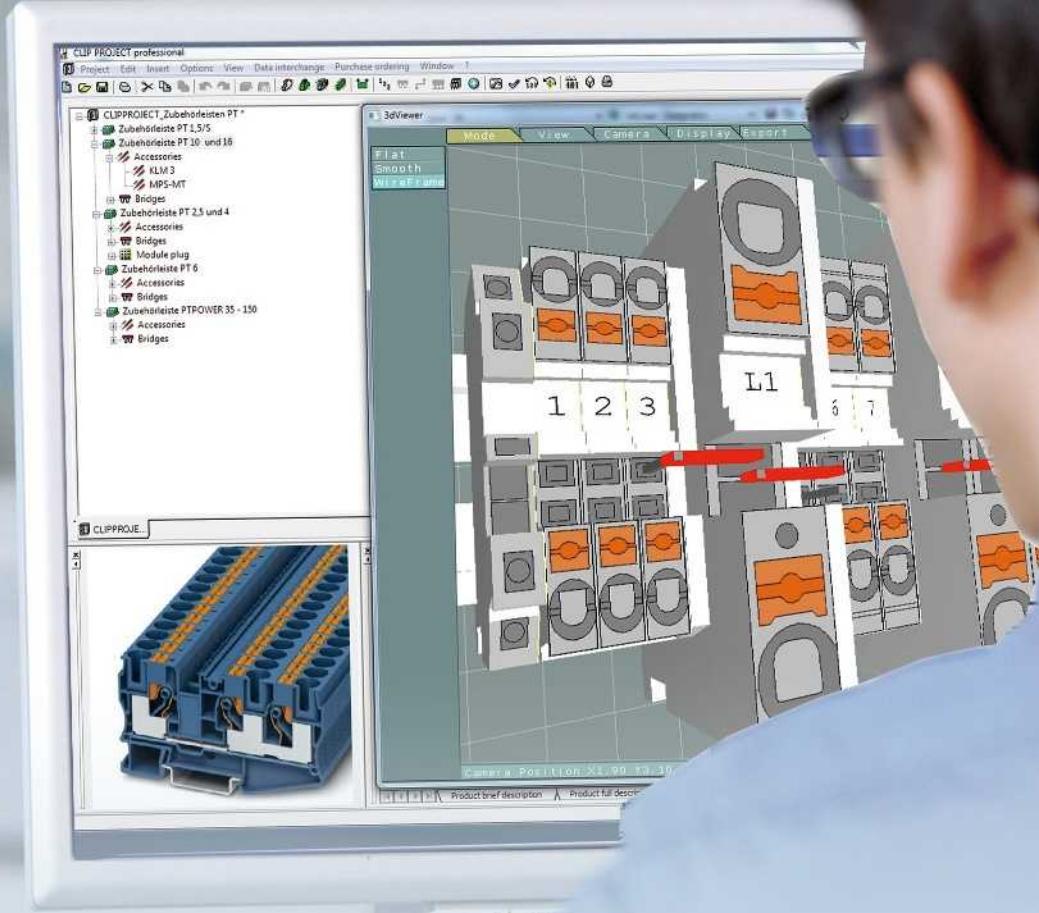


By integrating CLIP PROJECT in EPLAN P8, terminal strips are automatically produced from the circuit diagram in CLIP PROJECT. The product data is written back to the EPLAN parts lists using the two-way interface.

Use CLIP PROJECT to develop your DIN rail modules – complete with bridging, marking, and further accessories.



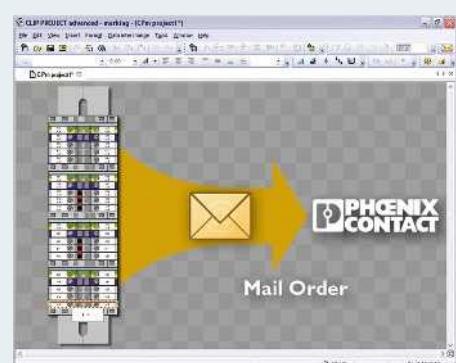
The automatic correction function checks the configured terminal strip and automatically adds any missing accessories. 2D and 3D design data are one click away.



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.



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.

# Push-in connection technology – Consistent from the field to the controller

Push-in connection technology from Phoenix Contact allows you to wire your entire application easily and safely.

A complete product range is available for consistent wiring, from field wiring to power and control wiring. You can easily connect sensors and actuators, terminal blocks, and interface and automation components without using any tools.

Push-in - connection made easy!



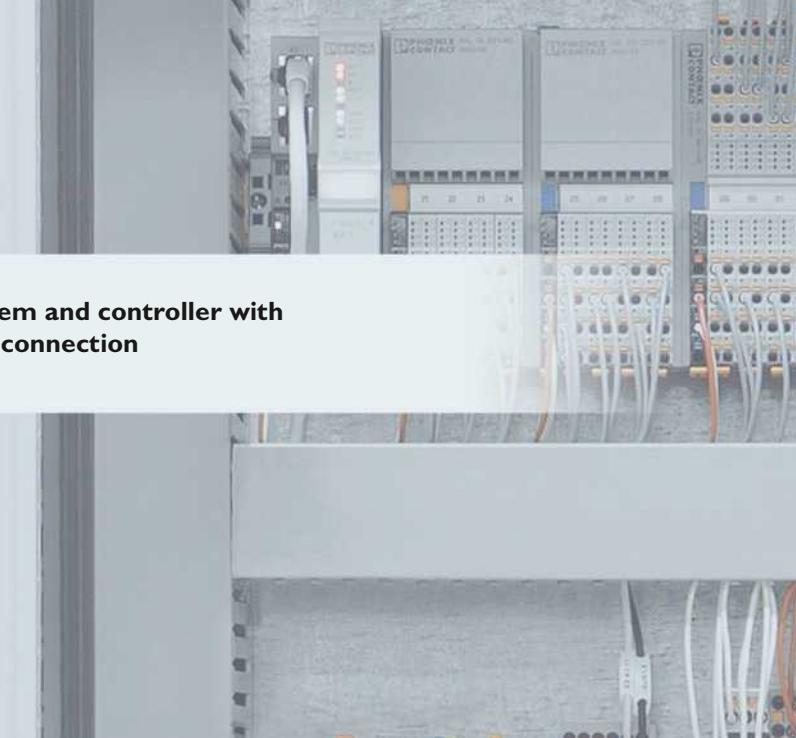
**Interface components  
with push-in connection**



**Field cabling  
with push-in connection**



I/O system and controller with  
push-in connection



Terminal blocks  
with push-in connection



Visit [phoenixcontact.com](http://phoenixcontact.com)  
for further information



# Push-in connection technology – Reliable and used worldwide



We are at home in electrical engineering and automation in many sectors of industry.

Our products prove themselves daily, in machines and systems across the globe. Reap the benefits of push-in connection technology for your application – consistent from the field to the controller.

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DMG MORI SEIKI offers its customers a unique range of services in the field of machine tool manufacturing by combining innovative technologies and a global, highly qualified sales and service network.

Wired with push-in connection technology from Phoenix Contact.

[www.dmgmoriseki.com](http://www.dmgmoriseki.com)



**Image source:**  
DMG MORI SEIKI

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**Push-in Technology**  
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### Laser technology at the highest level

The TRUMPF Group is the global leader in production, laser, and medical technology. TRUMPF offers its customers both innovative and high-quality products, as well as solutions to their problems – in sheet metal processing, laser-based production processes, electronic applications, and hospital equipment. Wired with push-in connection technology from Phoenix Contact.

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### High-tech material flow systems

Grenzebach's assembly lines for materials, glass, and photovoltaics are used throughout the world wherever high demands are made on automation and material flow control. Fast manufacturing times and rapid startup on site are some of the keys to its success. In doing so, the company puts its trust in push-in connection technology from Phoenix Contact.

[www.grenzebach.com](http://www.grenzebach.com)



### High-performance processing machines for solid wood

The Weinig Group AG is the market leader in solid wood processing machines and turn-key production systems for industrial and manual operations. In addition to series production of machines, the company increasingly offers its customers tailored solutions. When it comes to wiring, Weinig puts its trust in push-in connection technology from Phoenix Contact.

[www.weinig.com](http://www.weinig.com)



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[phoenixcontact.com](http://phoenixcontact.com)

## Product range

- Cables and connectors
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- DIN rail power supplies and UPS
- Electronic reversing contactors and motor control
- Electronics housings
- Ethernet networks
- Fieldbus components and systems
- Functional safety
- HMIs and industrial PCs
- I/O systems
- Industrial communication technology
- Industrial lighting
- Installation and mounting material
- Marking and labeling
- Measurement and control technology
- Modular terminal blocks
- Monitoring and signaling
- PCB terminal blocks and PCB connectors
- Plug-in connectors
- Protective devices
- Relays
- Sensor cables and connectors
- Software
- Surge protection devices
- System cabling for DCS and PLC
- Tools
- Wireless data communication

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