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PT – Push-in connection

CLIPLINE complete

In dialog with customers and partners worldwide

Phoenix Contact is a globally present, Germany-based market leader. Our group is synonym for future-oriented components, systems, and solutions in the fields of electrical engineering, electronics, and automation. A global network across more than 100 countries, and 15,000 employees ensure a close proximity to our customers, which we believe is particularly important.

The wide variety of our innovative products makes it easy for our customers to find future-oriented solutions for different applications and industries. We especially focus on the fields of energy, infrastructure, process and factory automation.



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

The PT connection 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

Designed by PHOENIX CONTACT

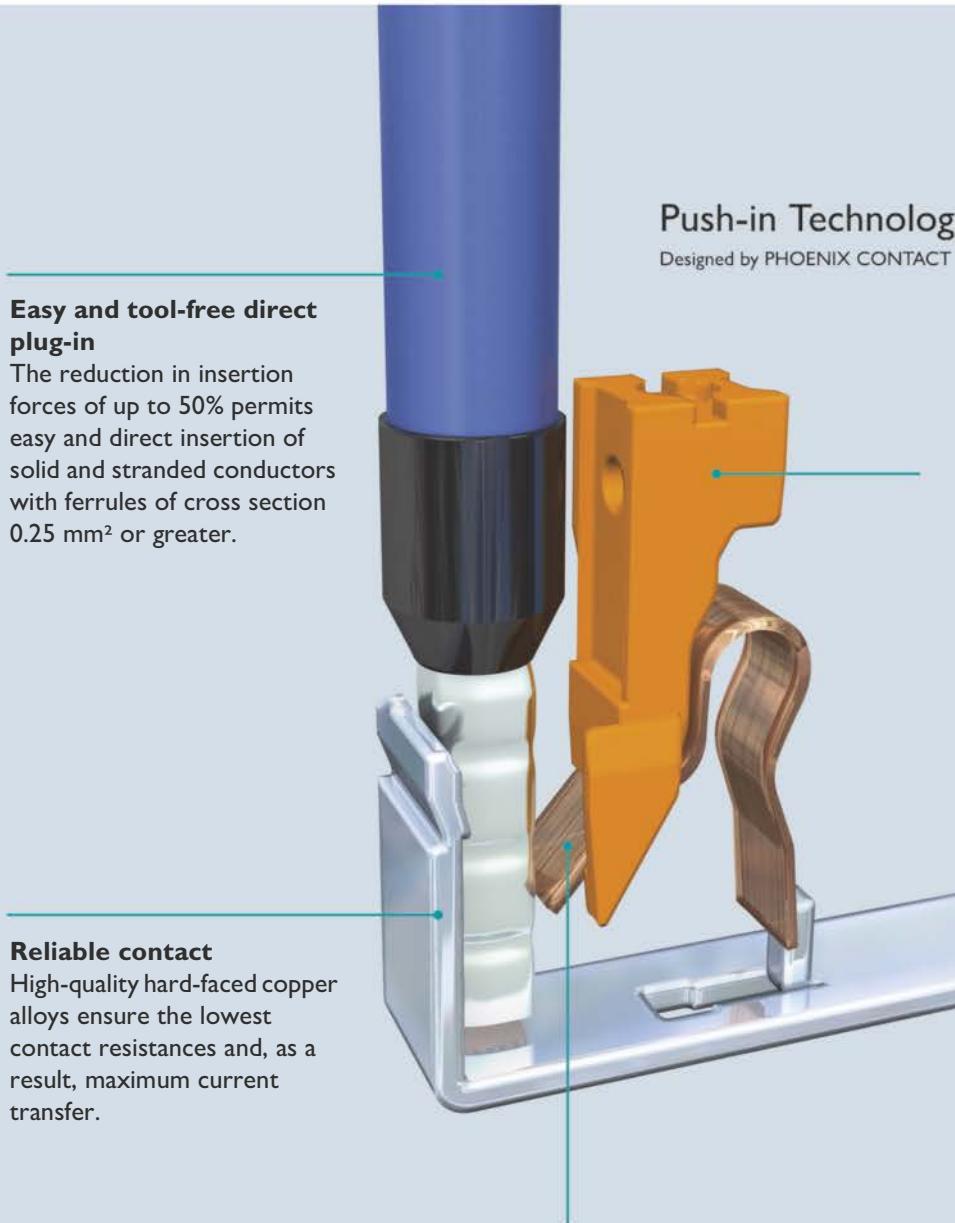


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Push-in connection technology

Easy to use – high-performance connection



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 mm² and above can be connected without ferrules using the actuation lever.



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/s². 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.



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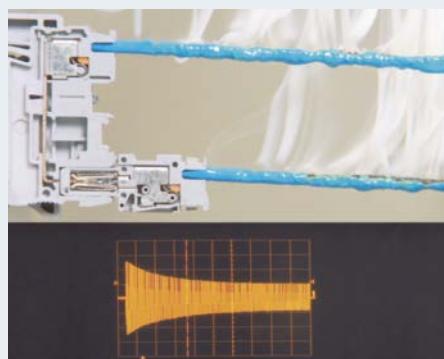
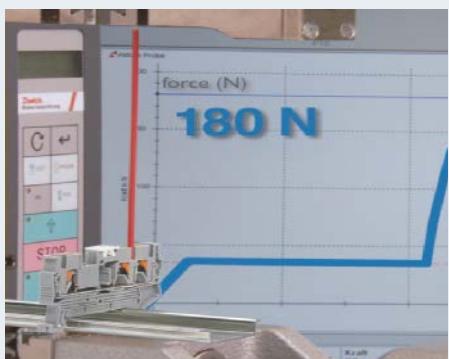
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scheme



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 mm² terminal block with a 1.0 mm² 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

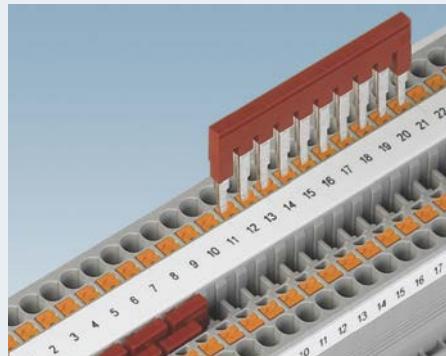
The consistent function shaft in all push-in modular terminal blocks gives you a high degree of flexibility and simplifies project planning and configuration of the control cabinet. All terminal blocks can be freely combined with one another.

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



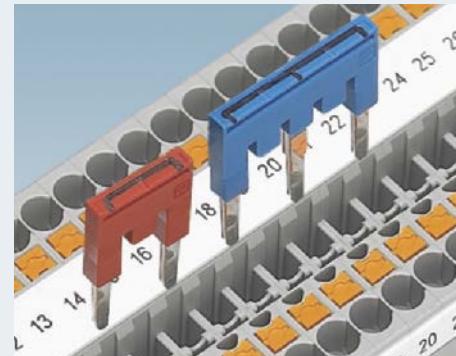
MPT miniature terminal blocks

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

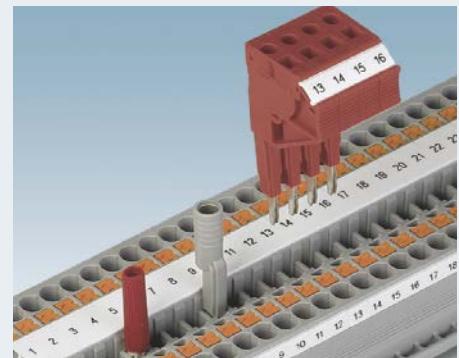
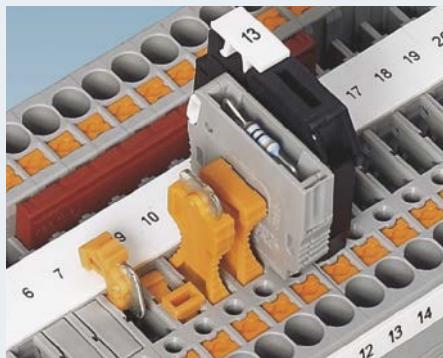
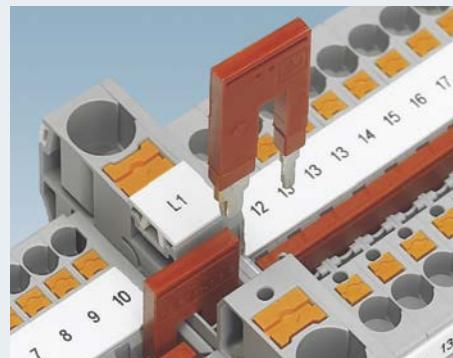
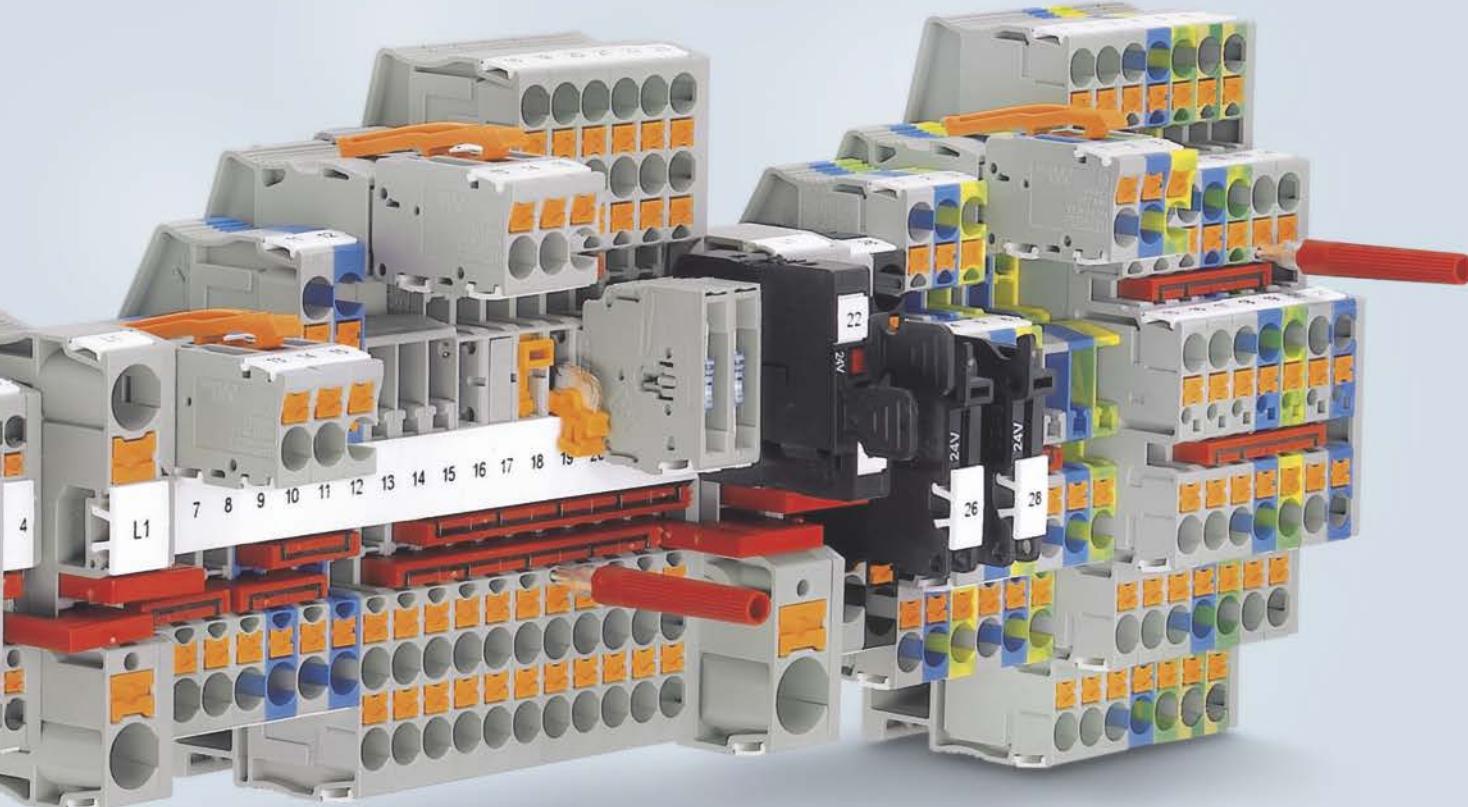
Bridging between non-adjacent terminal blocks is established by removing individual contact tabs from the standard bridge. This means that two potentials can be routed in parallel through one terminal strip.

Large-surface labeling

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

Push-in Technology

Designed by PHOENIX CONTACT



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 mm² terminal block with a 2.5 mm² or 4 mm² 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 3208126 PT 1.5/S-PE 3208139	PT 2.5 3209523 PT 2.5-PE 3209536	PT 4 3211760 PT 4-PE 3211766
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 ²] / -	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 ²]	0.14 - 1.5 / 0.14 - 1	0.14 - 2.5	0.25 - 4	
Can be plugged in directly: with ferrule / solid	[mm ²]	0.34 - 1.5 / 0.25 - 1.5	0.34 - 2.5 / 0.34 - 4	0.5 - 4 / 0.5 - 6	
		PT 6 3211813	PT 10 3212120	PT 16 N 3212138	
Type	Order No.	Gray Blue Green-yellow	PT 6 BU 3211819 PT 6-PE 3211822	PT 10 BU 3212123 PT 10-PE 3212131	PT 16 N BU 3212142 PT 16 N-PE 3212147
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 ²] / -	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 ²]	0.5 - 6	0.5 - 10	0.5 - 16	
Can be plugged in directly: with ferrule / solid	[mm ²]	1 - 6 / 1 - 10	2.5 - 10 / 1 - 16	2.5 - 16 / 2.5 - 25	

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 1.5/S-TWIN-PE 3208171	PT 2.5-TWIN BU 3209552 PT 2.5-TWIN-PE 3209565	PT 4-TWIN BU 3211775 PT 4-TWIN-PE 3211780
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 ²] / -	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 ²]	0.14 - 1.5 / 0.14 - 1	0.14 - 2.5	0.25 - 4	
Can be plugged in directly: with ferrule / solid	[mm ²]	0.34 - 1.5 / 0.25 - 1.5	0.34 - 2.5 / 0.34 - 4	0.5 - 4 / 0.5 - 6	
		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 6-TWIN-PE 3211498	PT 10-TWIN BU 3208747 PT 10-TWIN-PE 3208745	PT 16-TWIN N BU 3208773 PT 16-TWIN N-PE 3208786
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 ²] / -	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 ²]	0.5 - 6	0.5 - 10	0.5 - 16	
Can be plugged in directly: with ferrule / solid	[mm ²]	1 - 6 / 1 - 10	2.5 - 10 / 1 - 16	2.5 - 25 / 2.5 - 16	

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

Double-level terminal blocks

... -PV = With equipotential bonding					
Type	Order No.	Gray Blue Green-yellow Gray	PTTB 1,5/S 3208511 PTTB 1,5/S BU 3208524 PTTB 1,5/S-PE 3208537 PTTB 1,5/S-PV 3208540	PTTB 2,5 3210567 PTTB 2,5 BU 3210570 PTTB 2,5-PE 3210596 PTTB 2,5-PV 3210583	PTTB 4 3211786 PTTB 4 BU 3211793 PTTB 4-PE 3211854 PTTB 4-PV 3211825
Width / Length / Height [mm]	3.5 / 65.4 / 42.6			5.2 / 68 / 47.5	6.2 / 83.5 / 47.5
Current / Voltage // UL [A] / [V]	16 / 500 // 15 / 600			22 / 500 // 20 / 600	38 / 800 // 28 / 600
Solid / AWG // Stranded / AWG [mm ²] / -	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 / 28 - 10 // 0.2 - 4 / 24 - 12
Stranded with ferrule without/with plastic sleeve [mm ²]	0.14 - 1.5 / 0.14 - 1			0.14 - 2.5	0.25 - 4
Can be plugged in directly: with ferrule / solid [mm ²]	0.34 - 1.5 / 0.25 - 1.5			0.34 - 2.5 / 0.34 - 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 3208544 PTTB 1,5/S-PE/L 3208553 PTTB 1,5/S-PE/N 3208566	PTTB 2,5-L/N 3210994 PTTB 2,5-PE/L 3210978 PTTB 2,5-PE/N 3210981	PTTB 4-L 1000V 3062744
Width / Length / Height [mm]	3.5 / 65.4 / 42.6			5.2 / 68 / 47.5	8.2 / 83.5 / 47.5
Current / Voltage // UL [A] / [V]	16 / 500 // 15 / 600			22 / 500 // 20 / 300	38 / 1000 // 30 / 1000
Solid / AWG // Stranded / AWG [mm ²] / -	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 ²]	0.14 - 1.5 / 0.14 - 1			0.14 - 2.5	0.25 - 4
Can be plugged in directly: with ferrule / solid [mm ²]	0.34 - 1.5 / 0.25 - 1.5			0.34 - 2.5 / 0.34 - 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 / 118.2 / 55
Current / Voltage // UL [A] / [V]	24 / 500 //
Solid / AWG // Stranded / AWG [mm ²] / -	0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14
Stranded with ferrule without/with plastic sleeve [mm ²]	0.14 - 2.5
Can be plugged in directly: with ferrule / solid [mm ²]	0.34 - 2.5 / 0.34 - 4
Width / Length / Height [mm]	5.2 / 115.2 / 55
Current / Voltage // UL [A] / [V]	24 / 500 //
Solid / AWG // Stranded / AWG [mm ²] / -	0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14
Stranded with ferrule without/with plastic sleeve [mm ²]	0.14 - 2.5
Can be plugged in directly: with ferrule / solid [mm ²]	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 ²] / -	0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14
Stranded with ferrule without/with plastic sleeve [mm ²]	0.14 - 1.5 / 0.14 - 1
Can be plugged in directly: with ferrule / solid [mm ²]	0.34 - 1.5 / 0.25 - 1.5
Width / Length / Height [mm]	5.2 / 102 / 58
Current / Voltage // UL [A] / [V]	20 / 500 // 20 / 300
Solid / AWG // Stranded / AWG [mm ²] / -	0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14
Stranded with ferrule without/with plastic sleeve [mm ²]	0.14 - 2.5
Can be plugged in directly: with ferrule / solid [mm ²]	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

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 ²] / -	0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14
Stranded with ferrule without/with plastic sleeve [mm ²]	0.14 - 1.5 / 0.14 - 1
Can be plugged in directly: with ferrule / solid [mm ²]	0.34 - 1.5 / 0.25 - 1.5
Width / Length / Height [mm]	5.2 / 102 / 58
Current / Voltage // UL [A] / [V]	20 / 500 // 20 / 300
Solid / AWG // Stranded / AWG [mm ²] / -	0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14
Stranded with ferrule without/with plastic sleeve [mm ²]	0.14 - 2.5
Can be plugged in directly: with ferrule / solid [mm ²]	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

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

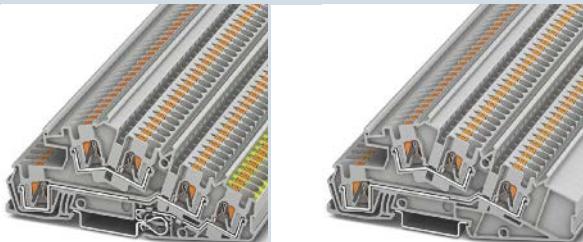
... L/N = Upper and middle level gray

Type	Order No.	PTB 2,5-PE/L/L
Blue/Gray/Yellow-green Gray/Green-yellow Blue/Gray Gray	PTI 2,5-PE/L/N PTI 2,5-PE/L/L	3210547
Width / Length / Height [mm]	5.2 / 101 / 50.5	5.2 / 118 / 42.3
Current / Voltage // UL [A] / [V]	24 / 400 // 20 / 300	24 / 400 //
Solid / AWG // Stranded / AWG [mm ²] / -	0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14	0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14
Stranded with ferrule without/with plastic sleeve [mm ²]	0.14 - 2.5	0.14 - 2.5
Can be plugged in directly: with ferrule / solid [mm ²]	0.34 - 2.5 / 0.34 - 4	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	3214050 3214049	PTI 4-L/L PTI 4-L/N	3214052 3214051
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 ²] / - [mm ²] / - [mm ²]		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	3210542	PT 4-PE/3L	3210442
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 ²] / - [mm ²] / - [mm ²]		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

- ¹⁾ For 12 - 30 V AC/DC, 0.31 - 0.95 mA
- ²⁾ For 30 - 60 V AC/DC, 0.40 - 0.86 mA
- ³⁾ 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)

⁴⁾ For 12 V DC, 1.7 mA

⁵⁾ For 24 V DC, 1.9 mA



Type	Order No.	Black	PT 4-HESI (5X20) PT 4-HESILED 24 (5X20) ¹⁾ PT 4-HESILED 60 (5X20) ²⁾ PT 4-HESILA 250 (5X20) ³⁾	3211861 3211903 3207908 3211907	PTC 4-HESI (5X20) PTC 4-HESILED 24 (5X20) PTC 4-HESILED 60 (5X20) PTC 4-HESILA 250 (5X20)	3270200 3270203 3270205 3270197	PT 4-FSI/F PT 4-FSI/F-LED 12 ⁴⁾ PT 4-FSI/F-LED 24 ⁵⁾	3208943 3208951 3208964
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 ²] / - [mm ²] / - [mm ²]		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



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 ²] / -	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 ²]	0.14 - 1.5 / 0.14 - 1	0.14 - 2.5	
Can be plugged in directly: with ferrule / solid	[mm ²]	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 ²] / -	1.5 - 10 / 16 - 6 // 1.5 - 10 / 16 - 6			
Stranded with ferrule without/with plastic sleeve	[mm ²]	1.5 - 10			
Can be plugged in directly: with ferrule / solid	[mm ²]	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 ²] / -	0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10			
Stranded with ferrule without/with plastic sleeve	[mm ²]	0.5 - 6			
Can be plugged in directly: with ferrule / solid	[mm ²]	1 - 6 / 1 - 10			
²⁾ The DP-STMD 6 spacer plate ensures sufficient spacing between two adjacent diodes					
Type	Order No.	Gray	DP-STMD 6 ²⁾ 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
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 ²] / - [mm ²] [mm ²]	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	PT 2,5-QUATTRO-DIO/L-R PT 2,5-QUATTRO-DIO/R-L
3210266 3210279					
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
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 ²] / - [mm ²] [mm ²]	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	3211919 3211921	
3212112 3212125					
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 top 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
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 ²] / - [mm ²] [mm ²]	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	3211427	PTTB 2,5-2DIO/O-UL/UR-UL PTTB 2,5-2DIO/O-UL/O-UR
3211430 3211443					
... 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 RD¹) PTTB 2,5-LA 60 RD²) PTTB 2,5-LA 230³)
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 ²] / - [mm ²] [mm ²]	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	3211456 3211469 3211472	PTTB 2,5-2BE
3211480					
For additional information and complete technical data, please visit phoenixcontact.net/products					

Hybrid terminal blocks with screw connection on one side

Type	Order No.	Gray Blue Green-yellow	PTU 2,5 3209519 PTU 2,5 BU 3209521 PTU 2,5-PE 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 ²] / - [mm ²] / - [mm ²] / -	Screw 0.14 - 4 / 28 - 12 0.14 - 2.5 - Push-in 0.14 - 4 / 28 - 12 0.14 - 2.5 0.34 - 2.5 / 0.34 - 4	Screw 0.14 - 4 / 28 - 12 0.14 - 2.5 - 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 3211855 PTU 4 BU 3211856 PTU 4-PE 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 ²] / - [mm ²] / - [mm ²] / -	Screw 0.14 - 6 / 26 - 10 0.14 - 4 Push-in 0.14 - 6 / 26 - 10 0.14 - 4 0.5 - 6	Screw 0.14 - 6 / 26 - 10 0.14 - 4 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 3209538 PTU 4-MT-P 3209532	
Width / Length / Height Current / Voltage // UL	[mm] [A] / [V]	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 ²] / - [mm ²] / - [mm ²] / -	Screw 0.14 - 6 / 26 - 10 0.14 - 4 Push-in 0.14 - 6 / 26 - 10 0.14 - 4 0.5 - 6	Screw 0.14 - 6 / 26 - 10 0.14 - 4 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 phoenixcontact.net/products				
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 3209535 PTU 6-T-P 3209530	
Width / Length / Height Current / Voltage // UL	[mm] [A] / [V]	8.2 / 73.9 / 48 52 / 500 // -	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 ²] / - [mm ²] / - [mm ²] / -	Screw 0.5 - 10 / 20 - 8 0.5 - 6 Push-in 0.5 - 10 / 20 - 8 0.5 - 6 1 - 6	Screw 0.5 - 10 / 20 - 8 0.5 - 6 Push-in 0.5 - 10 / 20 - 8 0.5 - 6 1 - 6	

Desk-design terminal blocks

Type	Order No.	Gray Blue Green-yellow	PTS 1,5/S 3214547 PTS 1,5/S BU 3214550 PTS 1,5/S-PE 3214563	PTS 2,5 3211799 PTS 2,5 BU 3211812 PTS 2,5-PE 3211867	PTS 1,5/S-TWIN 3214589 PTS 1,5/S-TWIN BU 3214592 PTS 1,5/S-TWIN-PE 3214602
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 ²] / - [mm ²] [mm ²]	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	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	
Type	Order No.	Gray Blue Green-yellow	PTS 2,5 TWIN 3211896 PTS 2,5 TWIN BU 3211906 PTS 2,5 TWIN-PE 3211935	PTS 1,5/S-QUATTRO 3214615 PTS 1,5/S-QUATTRO BU 3214631 PTS 1,5/S-QUATTRO-PE 3214644	PTS 2,5-QUATTRO 3211993 PTS 2,5-QUATTRO BU 3212002 PTS 2,5-QUATTRO-PE 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 ²] / - [mm ²] [mm ²]	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	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 3214657 PTTBS 1,5/S BU 3214660 PTTBS 1,5/S-PE 3214673 PTTBS 1,5/S-PV 3214686	PTTBS 2,5 3209604 PTTBS 2,5 BU 3209617 PTTBS 2,5-PE 3209620 PTTBS 2,5-PV 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 ²] / - [mm ²] [mm ²]	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	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 3210600 PTTBS 2,5-TWIN BU 3210601 PTTBS 2,5-TWIN-PE 3210602 PTTBS 2,5-TWIN-PV 3210603	PTTBS 2,5-QUATTRO 3210609 PTTBS 2,5-QUATTRO BU 3210610 PTTBS 2,5-QUATTRO-PE 3210611 PTTBS 2,5-QUATTRO-PV 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 ²] / - [mm ²] [mm ²]	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 mm² 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.



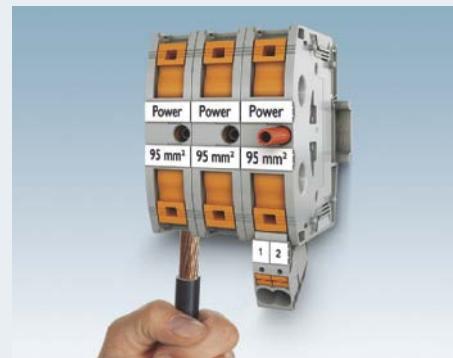
Power-Turn Technology

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.



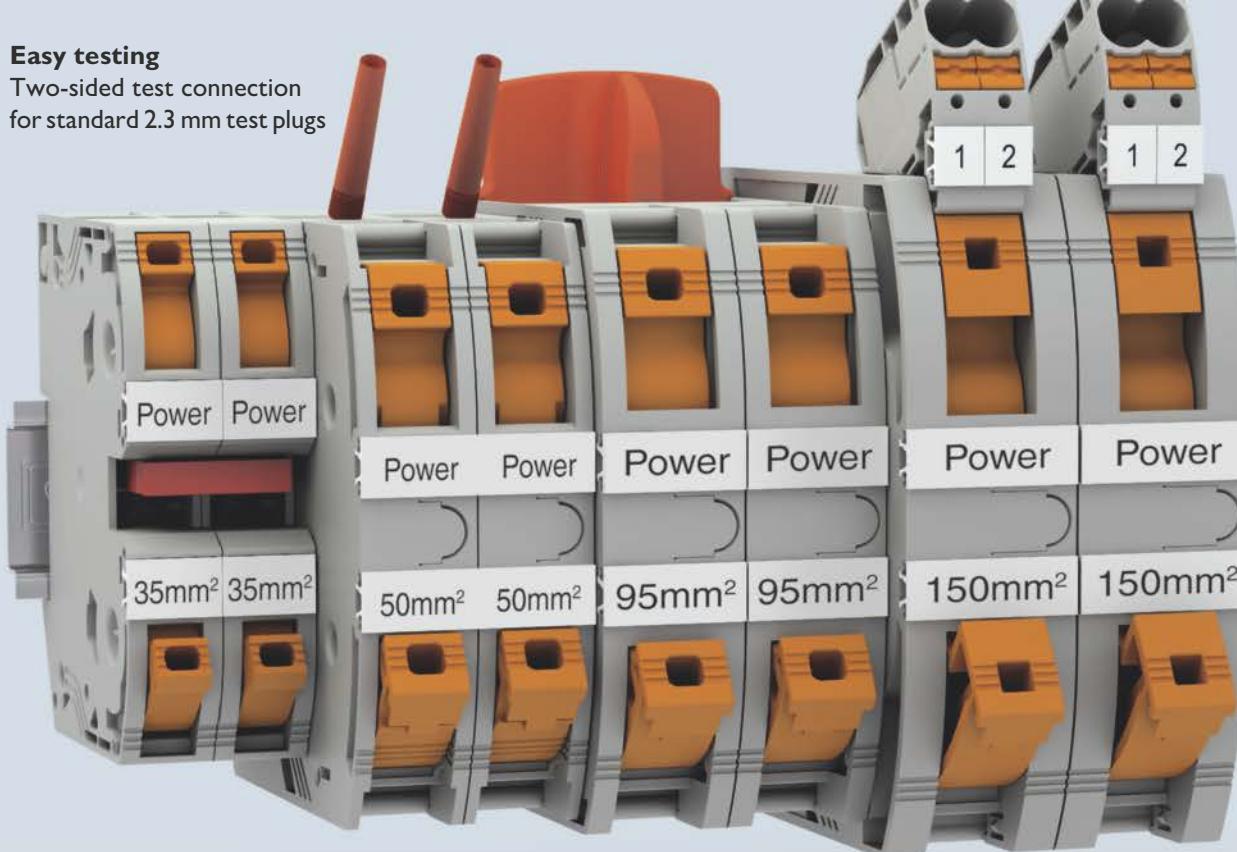
Easy and tool-free wiring

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



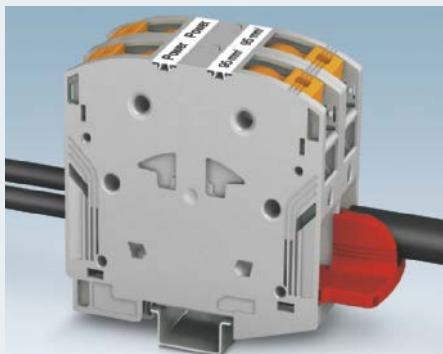
Large-surface labeling

For maximum overview in the control cabinet



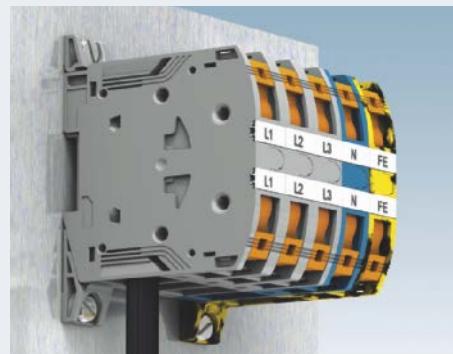
Safe tap-off

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 mm². 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 ²] / -	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 ²]	6 - 35 / 6 - 35					25 - 95 / 25 - 95	
Can be plugged in directly: with ferrule / solid	[mm ²]	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 ²] / -	35 - 150 / 2 - 300 Kcmil // 35 - 150 / 2 - 300 Kcmil						
Stranded with ferrule without/with plastic sleeve	[mm ²]	35 - 150 / 35 - 150						
Can be plugged in directly: with ferrule / solid	[mm ²]	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 ²] / -	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 ²]	6 - 35 / 6 - 35					25 - 95 / 25 - 95	
Can be plugged in directly: with ferrule / solid	[mm ²]	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 ²] / -	35 - 150 / 2 - 300 Kcmil // 35 - 150 / 2 - 300 Kcmil						
Stranded with ferrule without/with plastic sleeve	[mm ²]	35 - 150 / 35 - 150						
Can be plugged in directly: with ferrule / solid	[mm ²]	35 - 150 / 35 - 150						

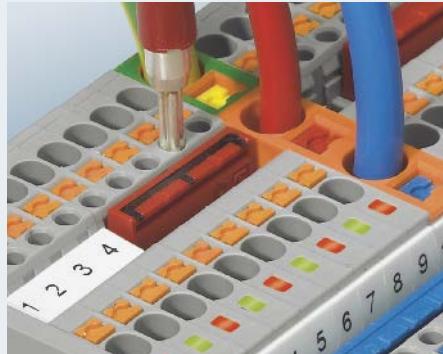
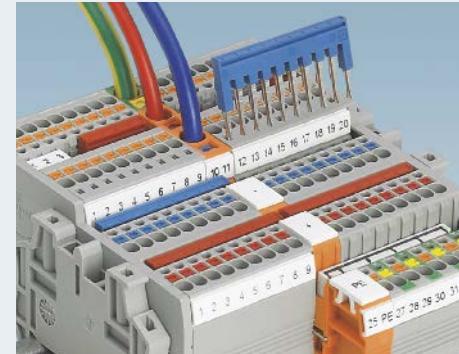
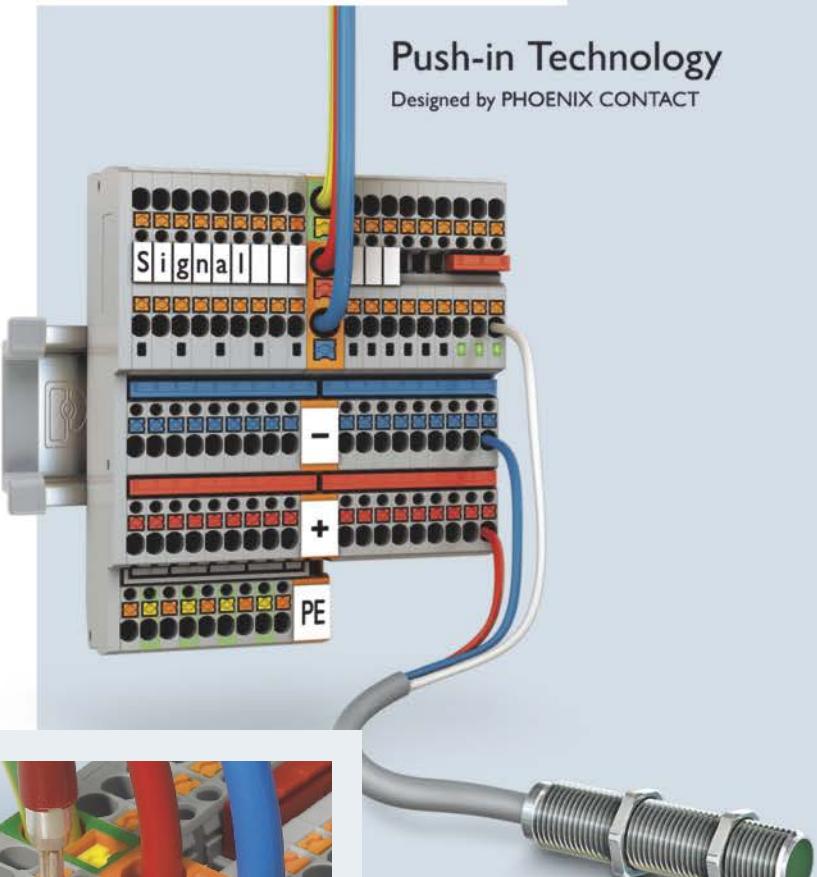
High-current terminal blocks and blocks for direct mounting

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 ²] / - [mm ²] [mm ²]	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 ²] / - [mm ²] [mm ²]	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 ²] / - [mm ²] [mm ²]	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 ²] / - [mm ²] [mm ²]	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 ¹) PTIO 1,5/S/3-LED 24 GN ¹)
Width / Length / Height	[mm]	3.5 / 74.4 / 41.5	3.5 / 74.4 / 41.5	3.5 / 74.4 / 41.5	PTIO 1,5/S/3-PE
Current / Voltage // UL	[A] / [V]	13.5 / 250 // -	13.5 / 250 // -	13.5 / 250 // -	3244449
Solid / AWG // Stranded / AWG	[mm ²] / -	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 ²]	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 ²]	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]	7 / 74.4 / 41.5			
Current / Voltage // UL	[A] / [V]	20 / 250 // -			
Solid / AWG // Stranded / AWG	[mm ²] / -	0.2 - 4 / 24 - 12 // 0.2 - 2.5 / 24 - 14			
Stranded with ferrule without/with plastic sleeve	[mm ²]	0.2 - 2.5			
Can be plugged in directly: with ferrule / solid	[mm ²]	0.34 - 2.5 / 0.34 - 4			

Four-conductor initiator/actuator terminal blocks

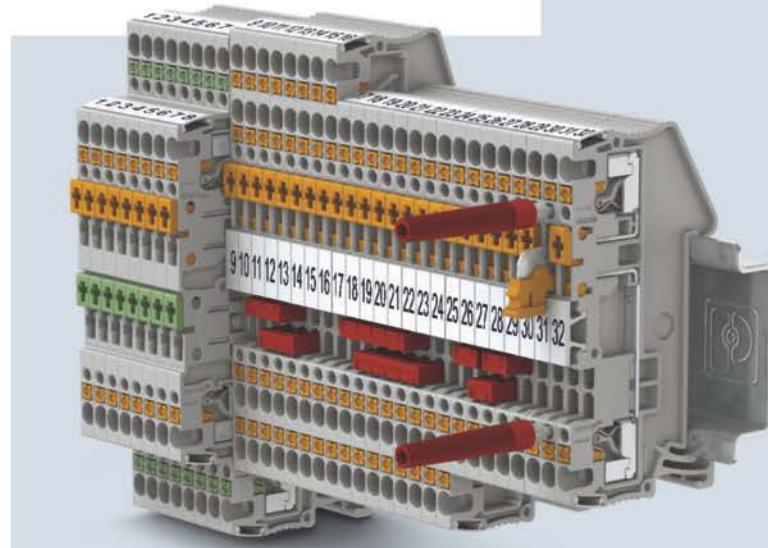
... LED 24 RD = Red LED display ... LED 24 GN = Green LED display !) For 15 - 30 V DC, 0.31- 0.95 mA					
Type	Order No.	Gray	PTIO 1,5/S/4	3244452	PTIO 1,5/S/4-LED 24 RD ¹) PTIO 1,5/S/4-LED 24 GN ¹)
Width / Length / Height	[mm]	3.5 / 90.8 / 41.5	3.5 / 90.8 / 41.5	3.5 / 90.8 / 41.5	PTIO 1,5/S/4-PE
Current / Voltage // UL	[A] / [V]	13.5 / 250 // -	13.5 / 250 // -	13.5 / 250 // -	3244465
Solid / AWG // Stranded / AWG	[mm ²] / -	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 ²]	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 ²]	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]	7 / 90.8 / 41.5			
Current / Voltage // UL	[A] / [V]	20 / 250 // -			
Solid / AWG // Stranded / AWG	[mm ²] / -	0.2 - 4 / 24 - 12 // 0.2 - 2.5 / 24 - 14			
Stranded with ferrule without/with plastic sleeve	[mm ²]	0.2 - 2.5			
Can be plugged in directly: with ferrule / solid	[mm ²]	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 mm².

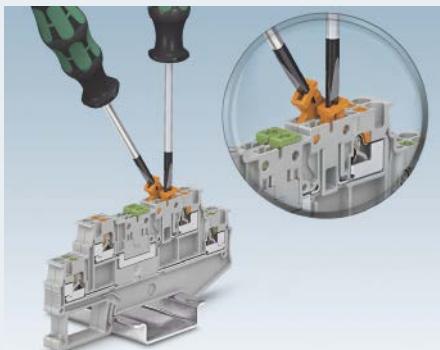
The product program of the compact modular terminal blocks include feed-through, multiple conductor and double-level terminal blocks.

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.



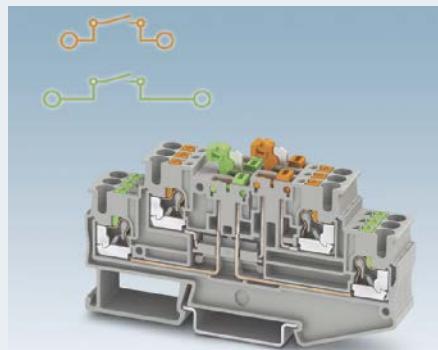
Push-in Technology

Designed by PHOENIX CONTACT



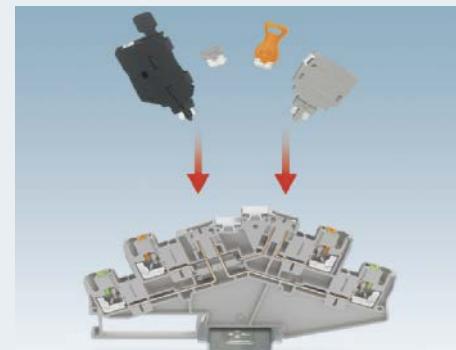
Easy operation and testing

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.

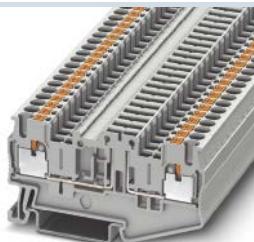
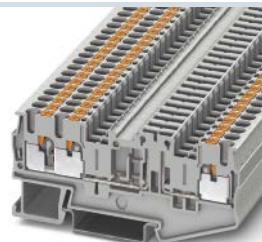
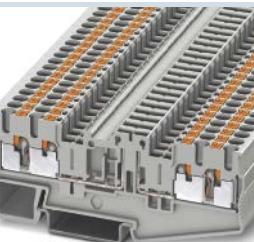


Multifunctional disconnect zone

In the range of 2.5 mm² 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 ²] / - [mm ²] [mm ²]	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 ²] / - [mm ²] [mm ²]	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 ²] / - [mm ²] [mm ²]	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	
... -P = With 4 mm test sockets on the right and left of the disconnect zone					
Type	Order No.	Gray 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 ²] / - [mm ²] [mm ²]	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 [mm] [A] / [V] [mm ²] / - Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	3210230 3210270 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	PTTBS 2,5-2TGB 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	3210402
') 16 A disconnect level						
Type	Order No.	Gray	PTI 2,5-L/TG [mm] [A] / [V] [mm ²] / - Stranded with ferrule without/with plastic sleeve Can be plugged in directly: with ferrule / solid	3213961 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	PTI 2,5-PE/L/TG 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	3213960

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					
Diode 1N 4007, reverse voltage 1300 V, maximum continuous current 1 A ... L-R = Diode conducting direction from left to right ... R-L = Diode conducting direction from right to left !) Max. 1 W power dissipation for single arrangement					
Type	Order No.	Gray Gray Gray Black	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!) / -			
Fuse plug for fuse links 5 x 20 mm ... LED = LED display !) For 12 - 30 V DC, 0.31 - 0.95 mA !) For 30 - 60 V AC/DC, 0.40 - 0.86 mA !) For 110 - 250 V AC/DC, 0.41 - 0.96 mA					
Type	Order No.	Black Black	P-FU 5X20-5 3209235	P-FU 5X20 LED 24-5 ¹⁾ P-FU 5X20 LED 60-5 ²⁾ 3209248 3209251	P-FU 5X20 LED 250-5 ³⁾ 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 ... LED / ... LA = LED display !) For 12 - 30 V DC, 0.31 - 0.95 mA !) For 30 - 60 V AC/DC, 0.40 - 0.86 mA !) For 110 - 250 V AC/DC, 0.41 - 0.96 mA					
Type	Order No.	Black Black	P-FU 5X20 3036806	P-FU 5X20 LED 24 ¹⁾ P-FU 5X20 LED 60 ²⁾ 3036819 3036822	P-FU 5X20 LA 250 ³⁾ 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	