

# PTV

The terminal blocks with lateral Push-in connection

# Push-in technology

With the PTV terminal blocks, you can plug in rigid conductors or conductors fitted with ferrules directly and without the need for tools. The spring profile makes it possible to plug in rigid conductors from 0.5 mm<sup>2</sup> easily and without tools. The contact spring is opened automatically when the conductor is pushed in, thus ensuring the required pressure force. Flexible conductors with a cross section from 0.14 mm<sup>2</sup> can be connected without ferrules using the push button.

## Tool-free direct plug-in

The PTV terminal blocks allow for easy and direct insertion of rigid and flexible conductors with ferrules with a cross section from 0.5 mm<sup>2</sup>.

## Maximum forces

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

## The comprehensive solution for your control cabinet

The PTV product family is a part of the COMPLETE line. COMPLETE line is a system comprised of coordinated hardware and software products, consulting services, and system solutions that help you optimize your control cabinet manufacturing processes. Engineering, purchasing, installation, and operation become significantly easier for you.



### COMPLETE line

#### Easily released using any tool

The integrated button allows connected conductors to be released using any type of tool. Releasing the conductors is easy and does not require direct contact with live parts.

#### Reliable contact

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

# Lateral conductor connection guarantees clarity

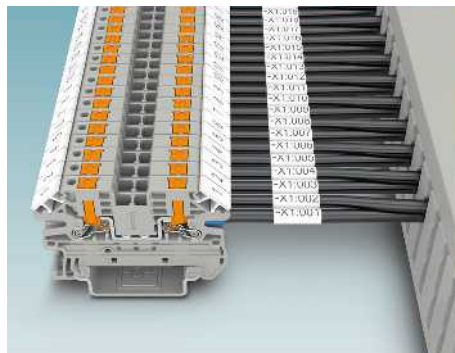
With its lateral conductor routing, the PTV terminal block range offers clearly arranged wiring without bending radii. The straight conductor routing from the terminal through to the cable duct makes it easier to attach and read wire markings. The 2.5 mm<sup>2</sup> and 4 mm<sup>2</sup> cross section versions have the same shape and can be bridged together with CLIPLINE complete accessories.

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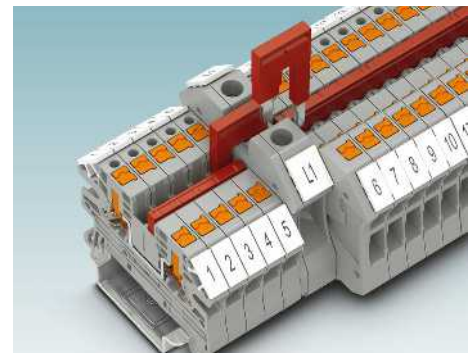
## Self-explanatory connection

The combination of Push-in connection and lateral wiring direction of the screw terminal block makes connection fast and self-explanatory.



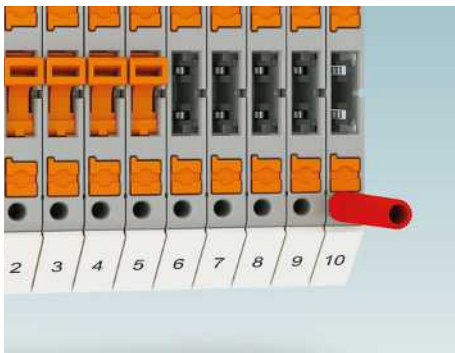
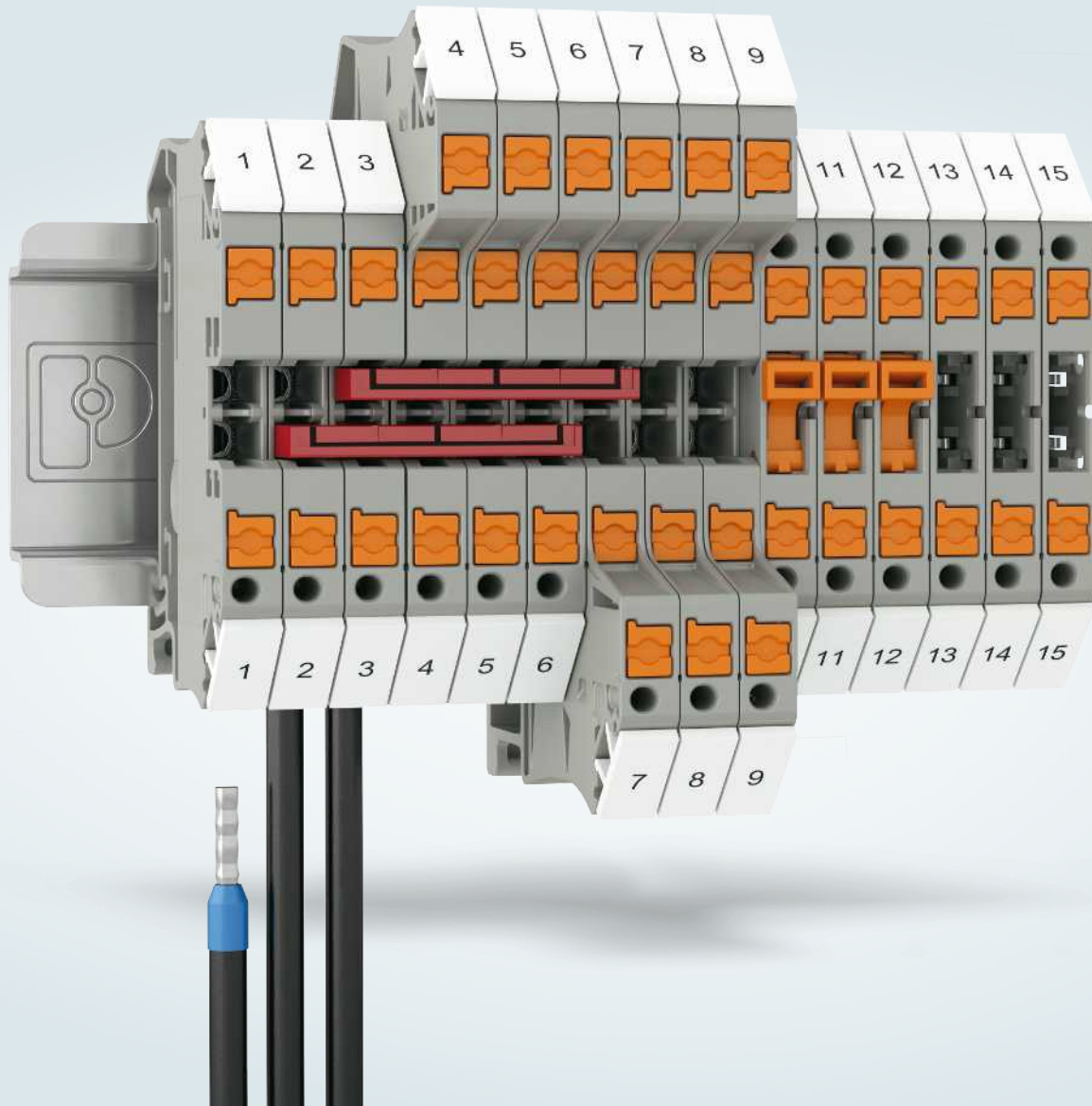
## Clearly arranged wiring

The wiring direction allows for clearly arranged wiring without bending radii. This ensures that the connection markings are clearly visible.



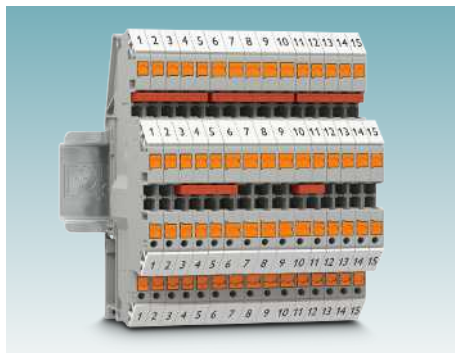
## Standardized bridging system

With the FBS standard bridges and the RB reducing bridges, you can distribute your potentials between various cross sections and connection technologies.



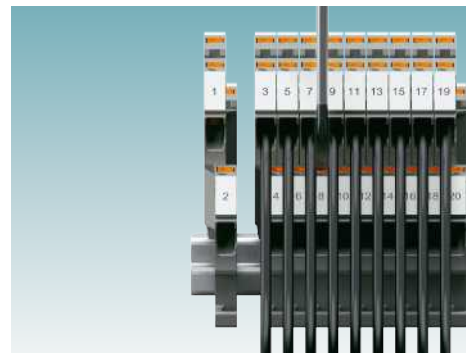
### Convenient testing

The test points guarantee easy and safe testing options. The flat contact on the current bar ensures reliable test results.



### Double-level terminal blocks with PV bridging

The double-level terminal blocks can be connected both horizontally and vertically with the double function shaft and various bridging versions.



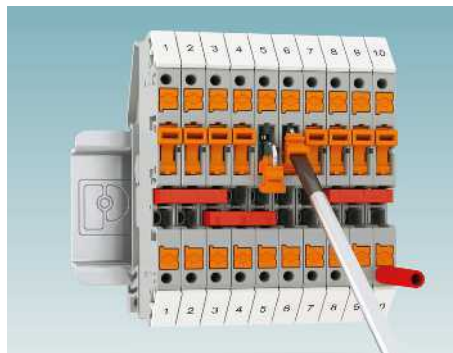
### Offset levels

The offset levels of the double-level terminal blocks allow for unhindered access to the lower connection levels and push buttons even when fully wired.

# Disconnect and knife disconnect terminal blocks for the clear separation of signal currents

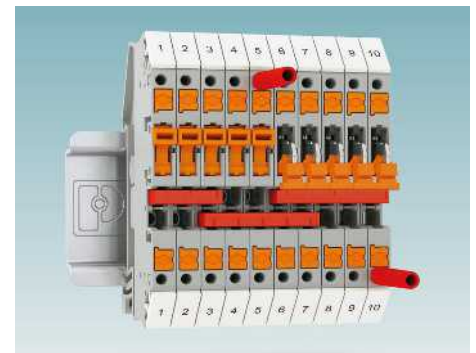
Where space is restricted, the PTV disconnect terminal blocks with lateral conductor connection enable the clear separation of signal currents. The product range includes disconnect and knife disconnect terminal blocks that can accommodate conductor cross sections from 0.14 mm<sup>2</sup> to 6 mm<sup>2</sup>. Moreover, compact versions with a nominal cross section of 2.5 mm<sup>2</sup> are available without function shaft.

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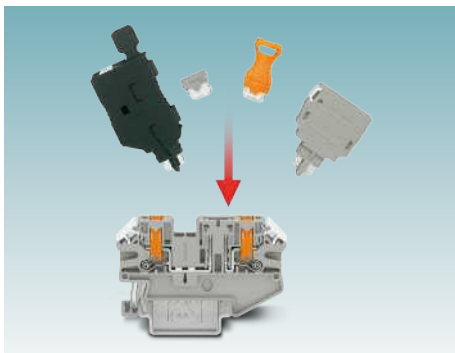
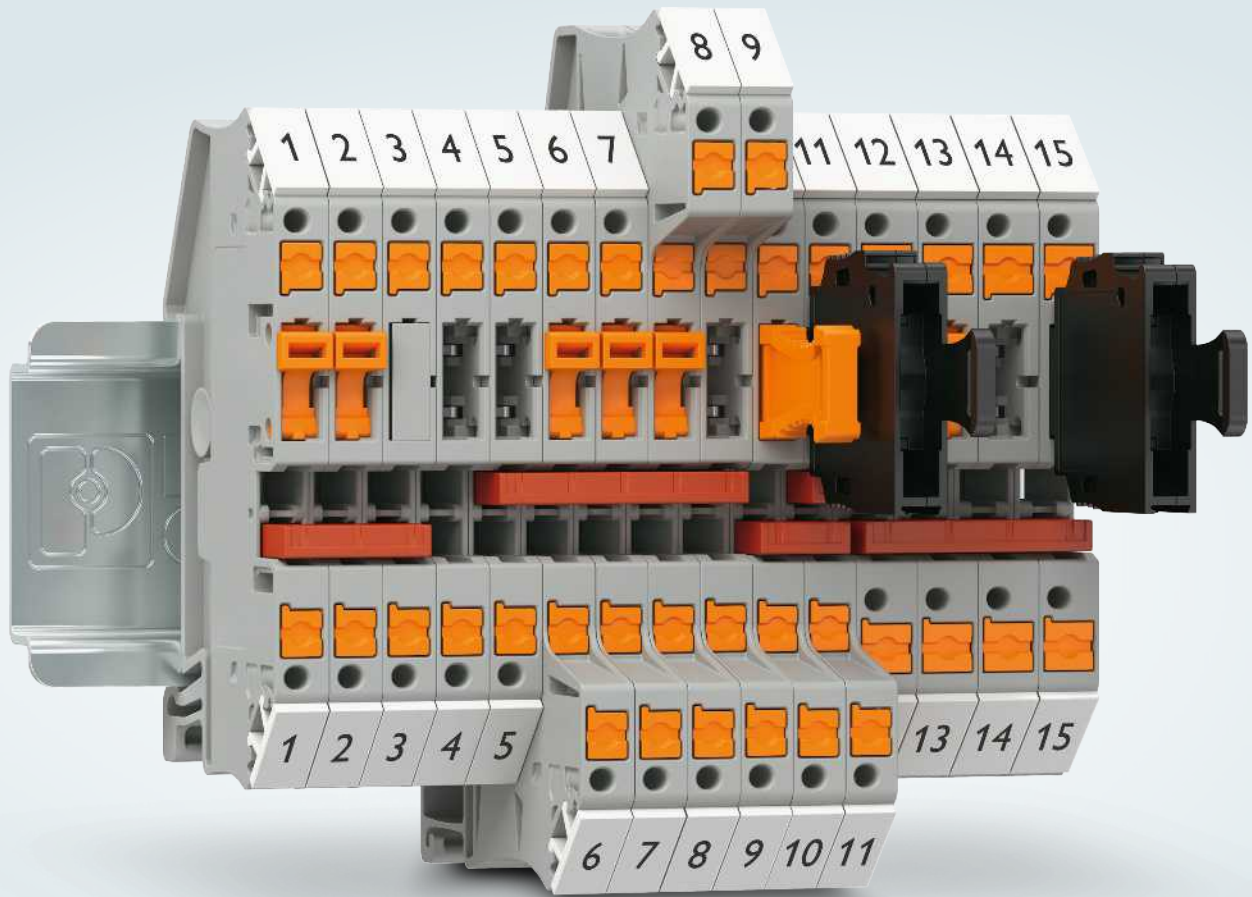
## Easy operation

The circuits can be opened easily with a standard screwdriver.



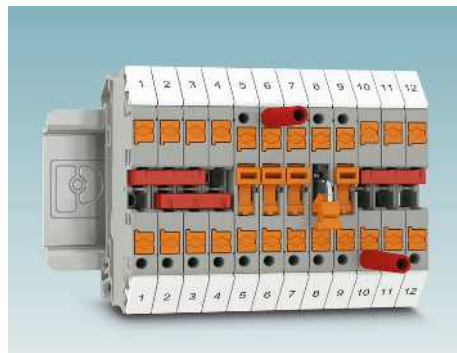
## Clear switching positions

The secure end position of the lever-type disconnect knife ensures that the switching states of the knife disconnect terminal blocks are permanently secured and always clear to recognize.



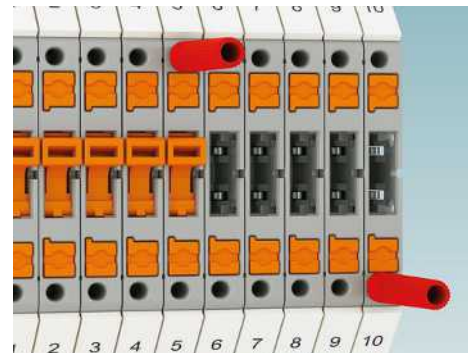
### Multifunctional disconnect zone

The disconnect zone of the disconnect terminal blocks can be assembled individually with isolating plugs, fuse plugs, component connectors, and feed-through connectors.



### Compact versions

The 2.5 mm<sup>2</sup> versions of the disconnect and knife disconnect terminal blocks are also available in a particularly compact version without function shaft.



### Ideal testing options

The double-sided test points make it quick and convenient to measure the current at the disconnect and knife disconnect terminal blocks.

# Fuse terminal blocks for fast and space-saving protection

The PTV fuse terminal blocks make it possible to integrate G 5 x 20 fuses into your system in a way that saves space and offers a clear overview. The swiveling lever allows the fuses to be replaced quickly and conveniently. The lateral conductor routing means that the lever can be fully opened easily, even when conductors are connected.

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## Optical signaling

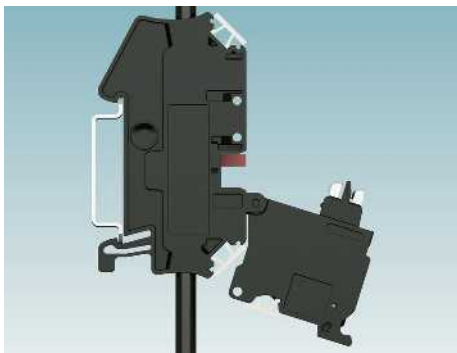
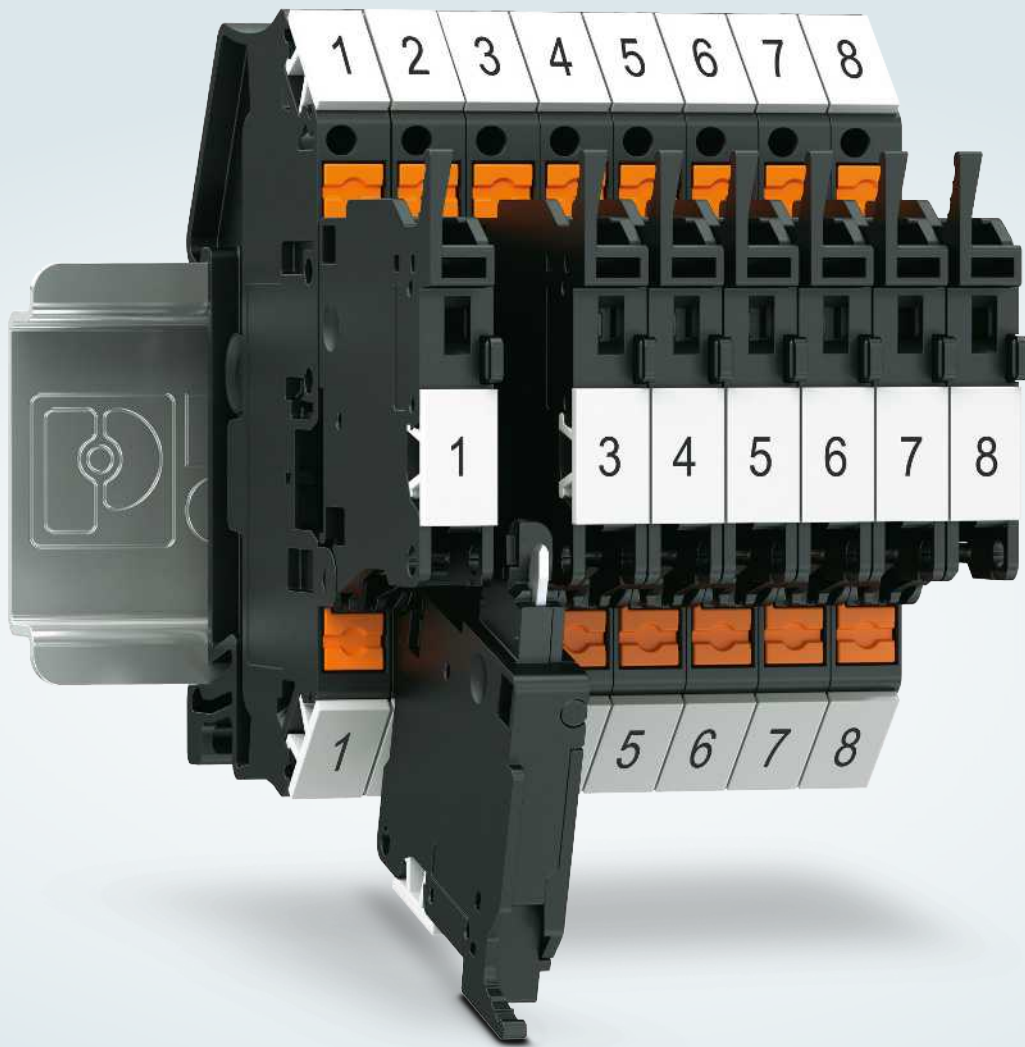
Rapid identification of faulty fuses. The versions equipped with optical LED displays signal faulty fuses regardless of the current direction.



## Quick replacement

Replace fuses quickly using the fold-out lever.





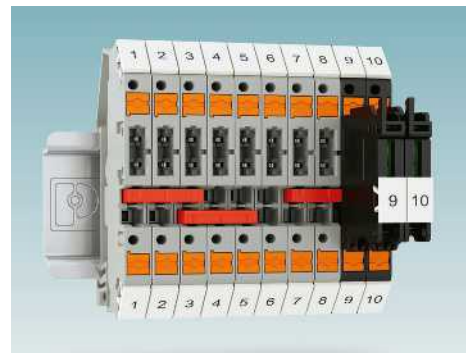
### Easy to use

The lateral conductor connection means that levers can be opened easily and fully even with connected conductors.



### Type G fuse-links

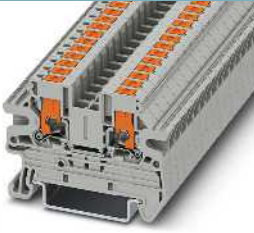


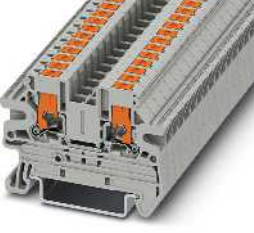



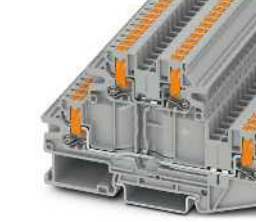

The lever-type fuse terminal blocks allow for the integration of type G 5 x 20 mm fuse-links on the DIN rail.








### Identical in shape

The shape is identical to the shape of the feed-through terminal blocks, disconnect terminal blocks, and knife disconnect terminal blocks.

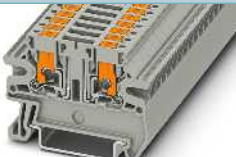


## Product overview

Feed-through terminal blocks							
							
Colors	Gray	PTV 2,5	1078960	PTV 2,5-TWIN	1078966	PTV 2,5-QUATTRO	1078999
	Blue	PTV 2,5 BU	1078962	PTV 2,5-TWIN BU	1078971	PTV 2,5-QUATTRO BU	1079006
	Green/yellow	PTV 2,5-PE	1078963	PTV 2,5-TWIN-PE	1078991	PTV 2,5-QUATTRO-PE	1079012
Width/length/height [mm]		5.2/50.8/35.3		5.2/60.0/45.7		5.2/69.2/45.7	
Current/voltage // UL [A]/[V]		24/800 // 20/800					
Rigid/AWG // flexible		0.14-4/26-12 // 0.14-4					
							
Colors	Gray	PTV 4	1088728	PTV 4-TWIN	1088731	PTV 4-QUATTRO	1088734
	Blue	PTV 4 BU	1088729	PTV 4-TWIN BU	1088732	PTV 4-QUATTRO BU	1088735
	Green/yellow	PTV 4-PE	1088730	PTV 4-TWIN-PE	1088733	PTV 4-QUATTRO-PE	1088736
Width/length/height [mm]		6.2/50.8/35.3		6.2/60.0/45.7		6.2/69.2/45.7	
Current/voltage // UL [A]/[V]		32/1000 // pending					
Rigid/AWG // flexible		0.2-6/24-10 // 0.2-6					
Double-level terminal blocks						Fuse terminal blocks	
							
Colors	Gray   black	PTTBV 2,5	1079073	PTTBV 4	1088737	PTV 4-HESI (5X20)	1088742
	Blue   black	PTTBV 2,5 BU	1079074	PTTBV 4 BU	1088738	PTV 4-HESILED 24 (5X20)	1088743
	Green/yellow   black	PTTBV 2,5-PE	1079076	PTTBV 4-PE	1088774	PTV 4-HESILED 60 (5X20)	1088744
	Gray/black   black	PTTBV 2,5-PV	1079075	PTTBV 4-PV	1088939	PTV 4-HESILA 250 (5X20)	1088745
Width/length/height [mm]		5.2/99.5/56		6.2/99.5/56		6.2/63.3/63.4	
Current/voltage // UL [A]/[V]		22/800 // pending		28/800 // pending		6.3/500 // pending	
Rigid/AWG // flexible		0.14-4/26-12 // 0.14-4		0.2-6/24-10 // 0.2-6		0.2-6/24-10 // 0.2-6	

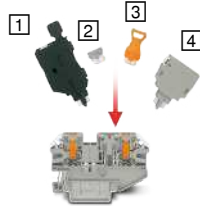
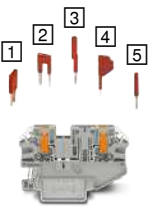

## Knife disconnect terminal blocks

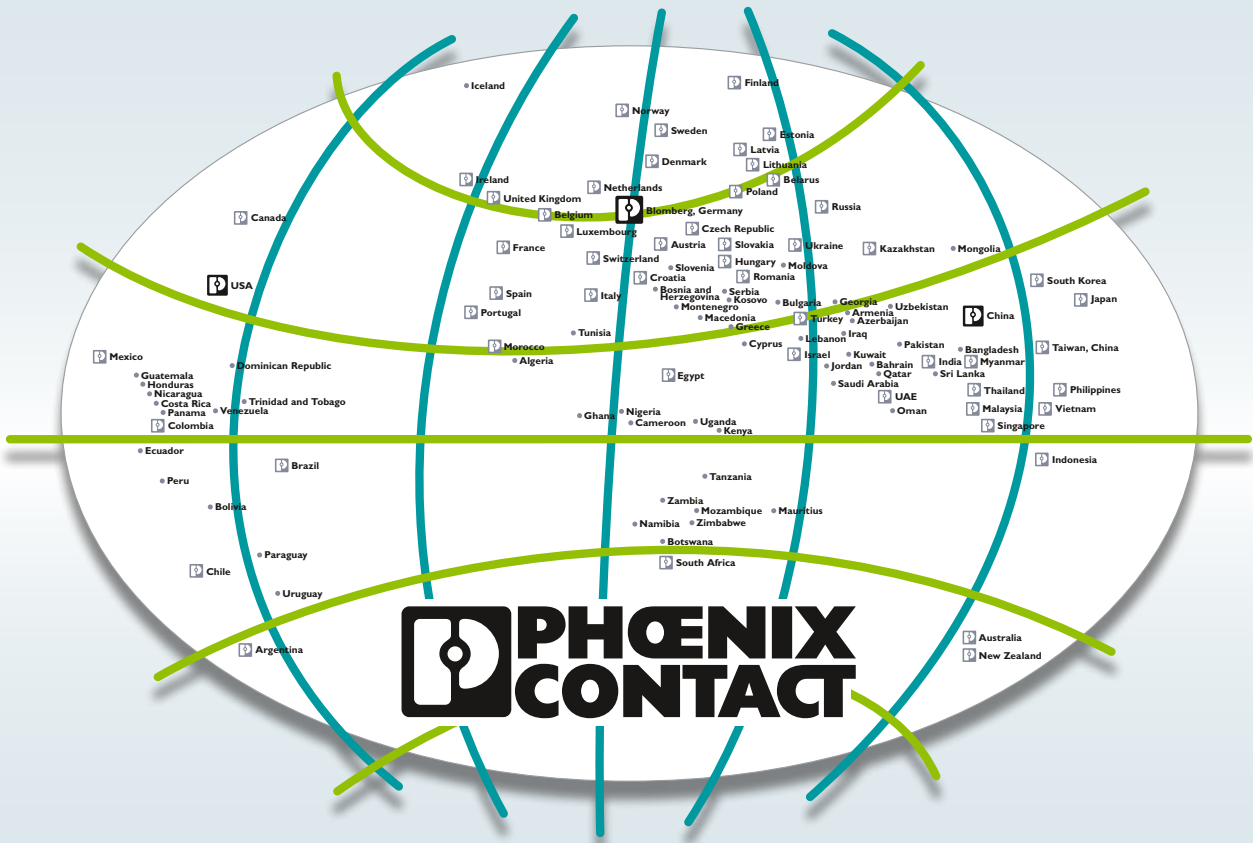
							
Colors	Gray	PTVC 2,5-MT	1079059	PTV 2,5-MT	1079063	PTV 2,5-TWIN-MT	1079066
	Blue	PTVC 2,5-MT BU	1079060	PTV 2,5-MT BU	1079064	PTV 2,5-TWIN-MT BU	1079067
Width/length/height [mm]		5.2/50.8/35.3		5.2/63.3/35.3		5.2/72.5/45.7	
Current/voltage // UL [A]/[V]		20/400 // pending					
Rigid/AWG // flexible		0.14-4/26-12 // 0.14-4					
							
Colors	Gray	PTV 2,5-QUATTRO-MT	1079070	PTV 4-MT	1088728		
	Blue	PTV 2,5-QUATTRO-MT BU	1079071	PTV 4-MT BU	1088731		
Width/length/height [mm]		5.2/81.7/45.7		6.2/63.3/35.3			
Current/voltage // UL [A]/[V]		20/400 // pending		20/500 // pending			
Rigid/AWG // flexible		0.14-4/26-12 // 0.14-4		0.2-6/24-10 // 0.2-6			

## Disconnect terminal blocks

							
Colors	Gray	PTVC 2,5-TG	1079061	PTV 2,5-TG	1079065	PTV 4-TG	1088741
				PTV 2,5-TWIN TG	1079069		
				PTV 2,5-QUATTRO-TG	1079072		
Width/length/height [mm]		5.2/50.8/35.3		See identical MT terminal blocks		6.2/63.3/35.3	
Current/voltage // UL [A]/[V]		20/400 // pending				20/500 // pending	
Rigid/AWG // flexible		0.14-4/26-12 // 0.14-4				0.2-6/24-10 // 0.2-6	

## Accessories

<p>The items listed are representative. They are available in various versions in our online store.</p>						
	1 Fuses	3209235	1 Plug-in bridges	3030161	UCT-TM 5	0828734
	2 Connectors	3038956	2 Reducing bridges	3214356	UC-TM 5	0818108
	3 Isolating plugs	3036783	3 Test plugs	3035976	TMT (EX9,5)R	0828295
	4 Components	3036796	4 Test plugs	3030983	ZB 5 unbedruckt	1050004
		5 Test plugs	0201744			



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Our wide variety of innovative products makes it easy for our customers to implement the latest technology in a variety of applications and industries. We focus on developing the fields of energy, infrastructure, process, and factory automation.

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