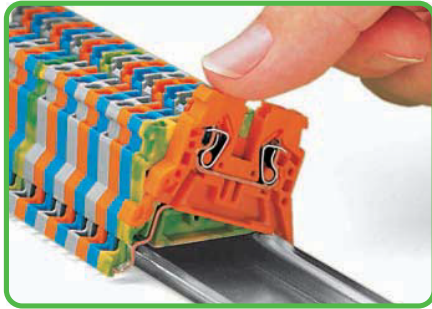


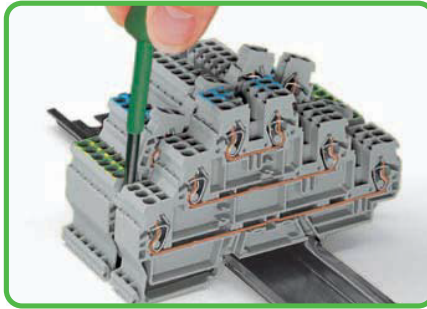
Compact Rail-Mounted Terminal Blocks for DIN 15 and DIN 35 Rails 870 Series

Assembly



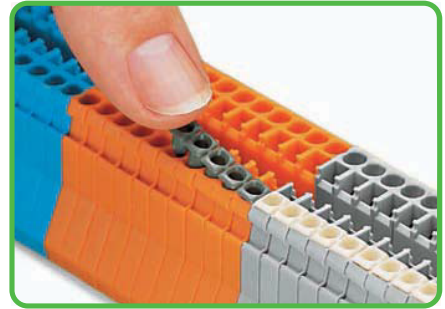
Snapping a rail-mount terminal block onto DIN 35 carrier rail.

Removal



Removing a terminal block from the assembly.

Insulation stop



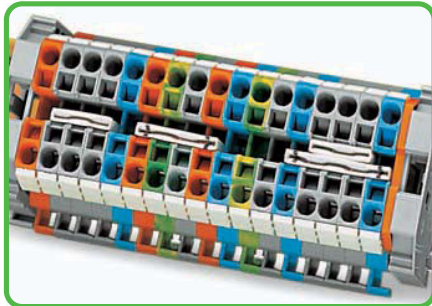
Inserting an insulation stop.

Push-in type jumper bar system

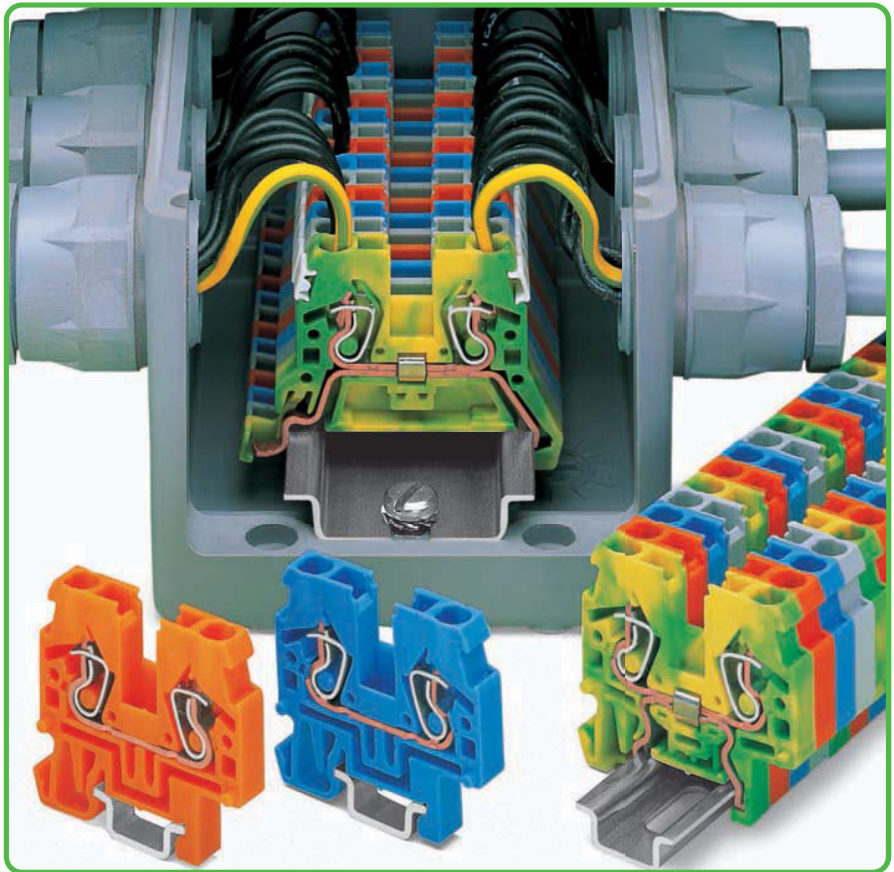


Push jumper bars down firmly until fully inserted. When using multipole bars, push alternately on right and then left side, until installed.
Push-in type jumper bars 1 - 3 - 5 - 7 or 1 - - 4 - - 7 upon request.

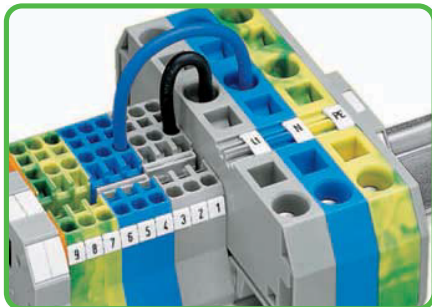
Push-in type jumper bar system



Two parallel jumper receptacles are accommodated in one terminal block.

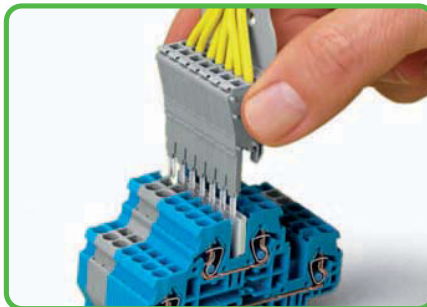


Commoning with step-down jumpers



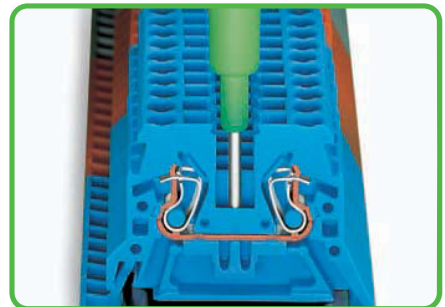
Commoning terminal blocks of different sizes - step down.

Testing

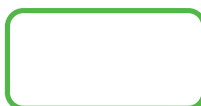


Testing is also possible using a pre-wired module assembly, similar to test plugs.

Testing

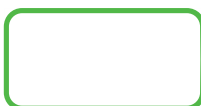


Testing with phase testing device, also possible with single-pole voltage tester.

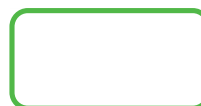


CAGE CLAMP® clamps the following copper conductors:*

solid



stranded



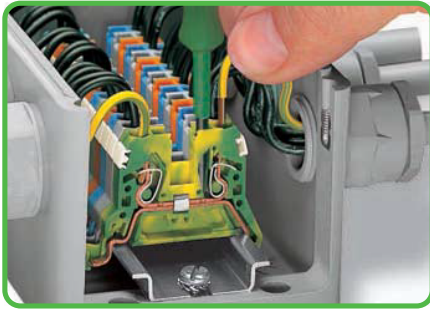
fine-stranded, also with tinned single strands

* For aluminum conductors, see notes in Section 14.

① When using ferrules, the max. conductor cross section accommodated is one size smaller than max. rating of terminal block.

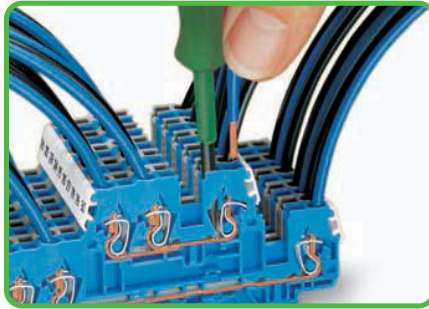
- Description and Handling -

CAGE CLAMP® connection



Terminating fine-stranded conductors ranging from 0.08 to 4 mm² (AWG 28 - 12).

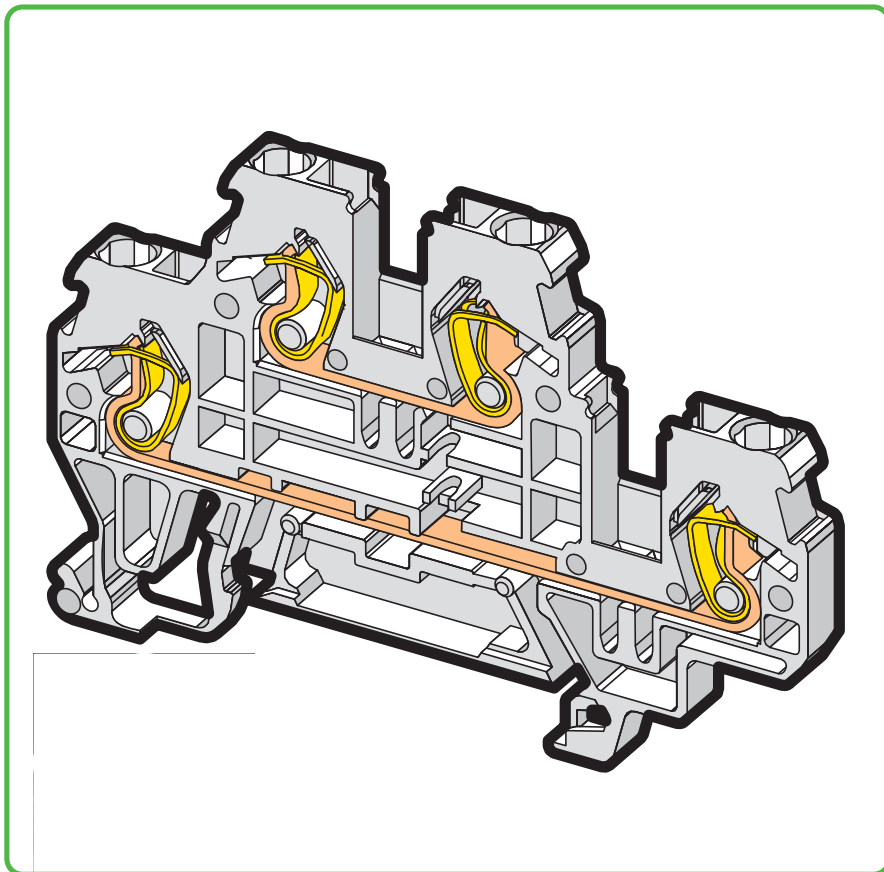
CAGE CLAMP® connection



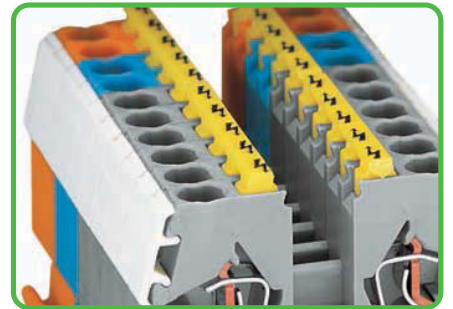
Multilevel terminal blocks



Double- and triple-deck terminal blocks with internal commoning acting as 4- and 6-conductor terminal blocks.

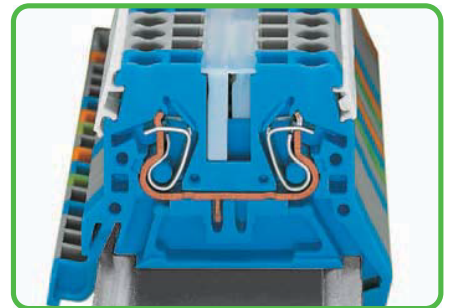


Protective warning marker



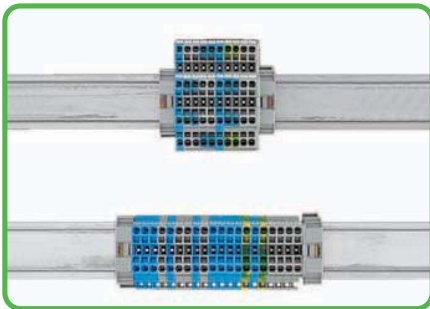
Protective warning markers (280-405), with black high-voltage symbols.

Marking



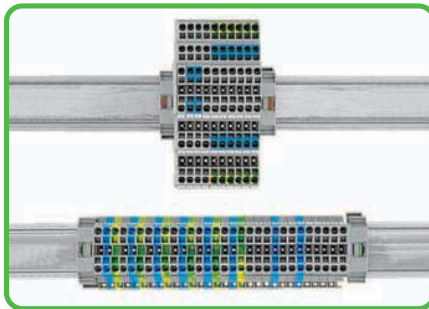
Marking the clamping unit via WMB Multi marking system or miniature WSB Quick marking system.

Space saver



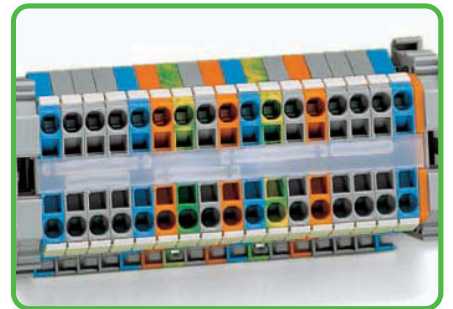
Save 50% of rail space when using double-deck terminal blocks.

Space saver

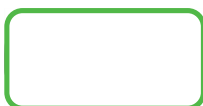


Save 67% of rail space when using triple-deck terminal blocks.

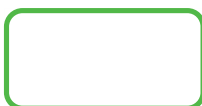
Marking Strips



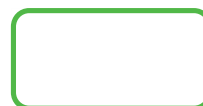
Transparent marker strips (note: Jumpers below may be visible).



fine-stranded, tip-bonded


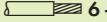
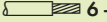


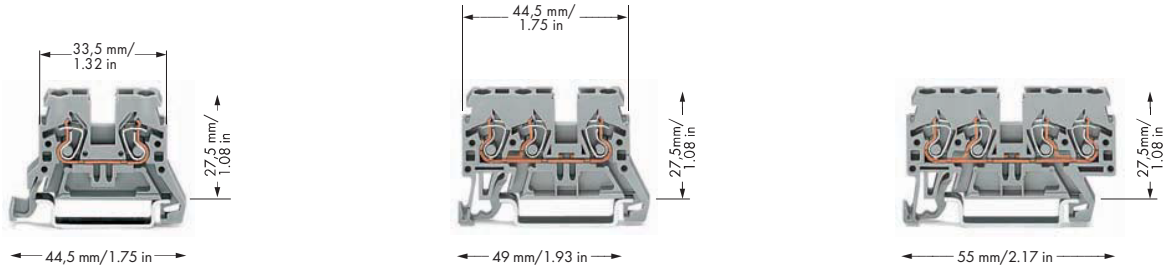
fine-stranded, with ferrule ① (gas-tight crimped)



fine-stranded, with pin terminal (gas-tight crimped)

Through/Ground Conductor and Ex Terminal Blocks 2.5 mm² (4 mm² "f-st") for DIN 35 and DIN 15 Rails 870 Series

0.08 - 2.5 (4"f-st")mm² ① AWG 28 - 12 500 V/6 kV/3 ② I _N 24 A Terminal block width 5 mm / 0.197 in  6 - 7 mm / 0.26 in ③	0.08 - 2.5 (4"f-st")mm² ① AWG 28 - 12 500 V/6 kV/3 ② I _N 24 A Terminal block width 5 mm / 0.197 in  6 - 7 mm / 0.26 in ③	0.08 - 2.5 (4"f-st")mm² ① AWG 28 - 12 500 V/6 kV/3 ② I _N 24 A Terminal block width 5 mm / 0.197 in  6 - 7 mm / 0.26 in ③
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Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
2-conductor through terminal block, for DIN 35 rail		3-conductor through terminal block, for DIN 35 rail		4-conductor through terminal block, for DIN 35 rail	
gray 870-901	100	gray 870-681	100	gray 870-831	100
blue 870-904 ④	100	blue 870-684 ④	100	blue 870-834 ④	100
orange 870-902	100	orange 870-682	100	orange 870-832	100
light gray ⑤	100				
2-conductor ground terminal block, for DIN 35 rail, Notice: This ground conductor terminal block cannot be commoned with push-in type jumper bars.		3-conductor ground terminal block, for DIN 35 rail, Notice: This ground conductor terminal block cannot be commoned with push-in type jumper bars.		4-conductor ground terminal block, for DIN 35 rail, Notice: This ground conductor terminal block cannot be commoned with push-in type jumper bars.	
green-yellow 870-907	100	green-yellow 870-687	100	green-yellow 870-837	100
green-yellow ⑤	100				
Other terminal blocks with the same profile: Double-potential 870-826 Page 277					
Item-Specific Accessories		Item-Specific Accessories		Item-Specific Accessories	
End and intermediate plate, 2 mm thick		End and intermediate plate, 1 mm thick		End and intermediate plate, 1 mm thick	
orange 870-924	100 (4x25)	orange 870-934	100 (4x25)	orange 870-944	100 (4x25)
gray 870-923	100 (4x25)	gray 870-933	100 (4x25)	gray 870-943	100 (4x25)
light gray 870-925	100 (4x25)				
Separator, oversized, 2 mm thick		Separator, oversized, 1 mm thick		Separator, oversized, 1 mm thick	
orange 870-929	100 (4x25)	orange 870-947	100 (4x25)	orange 870-949	100 (4x25)
gray 870-928	100 (4x25)	gray 870-946	100 (4x25)	gray 870-948	100 (4x25)
End and intermediate plate, 2 mm thick, for 2-conductor ground conductor Ex terminal blocks only					
green-yellow 870-926	100 (4x25)				
Ex e/Ex i separator, orange, 3 mm thick					
90 mm 209-190	50 (2x25)				
120 mm 209-191	50 (2x25)				

870 Series Accessories

Appropriate marking systems: WMB/Miniature WSB (see Section 13)

Insulation stop, ④	Push-in type jumper bar, insulated, I _N 18 A, light gray	Push-in type jumper bar, insulated, I _N 18 A, light gray
5 pcs/strip, 0.08 - 0.2 mm ² "s" (0.14 mm ² "f-st") white 280-470 200 (8x25)	2-way 870-402 200 (8x25)	from 1 to 3 870-433 200 (8x25)
	3-way 870-403 200 (8x25)	from 1 to 4 870-434 200 (8x25)
	4-way 870-404 200 (8x25)	from 1 to 5 870-435 100 (4x25)
	5-way 870-405 100 (4x25)	from 1 to 6 870-436 100 (4x25)
	6-way 870-406 100 (4x25)	from 1 to 7 870-437 100 (4x25)
	7-way 870-407 100 (4x25)	from 1 to 8 870-438 100 (4x25)
	8-way 870-408 100 (4x25)	from 1 to 9 870-439 100 (4x25)
	9-way 870-409 100 (4x25)	from 1 to 10 870-440 100 (4x25)
	10-way 870-410 100 (4x25)	

For list of approvals and user guide, see pages 634 to 637.