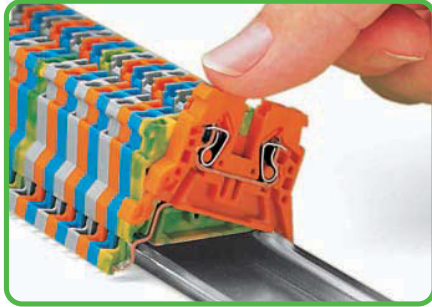


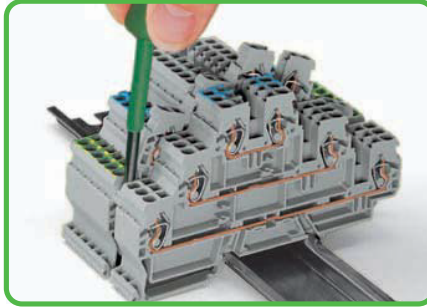
Compact Rail-Mounted Terminal Blocks for DIN 15 and DIN 35 Rails 870 Series

Assembly



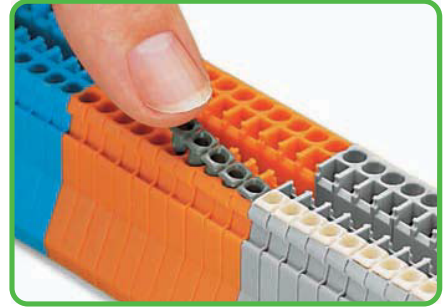
Snapping a rail-mount terminal block onto DIN 35 carrier rail.

Removal



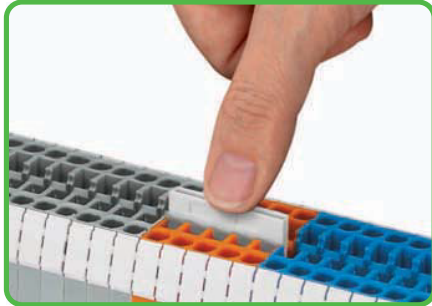
Removing a terminal block from the assembly.

Insulation stop



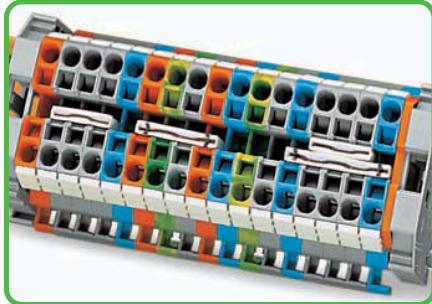
Inserting an insulation stop.

Push-in type jumper bar system

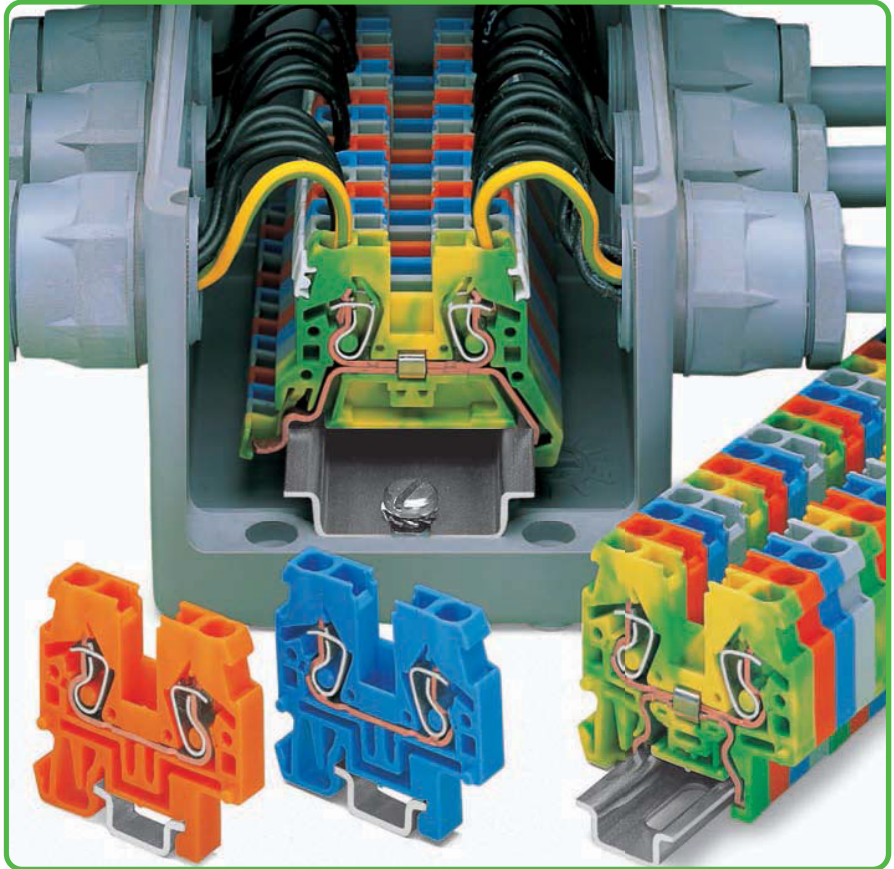


Push jumper bars down firmly until fully inserted. When using multipole bars, push alternately on right and then left side, until installed.
Push-in type jumper bars 1 - 3 - 5 - 7 or 1 - - 4 - - 7 upon request.

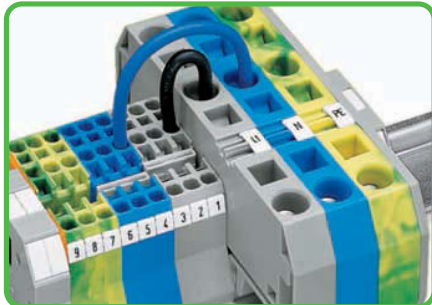
Push-in type jumper bar system



Two parallel jumper receptacles are accommodated in one terminal block.

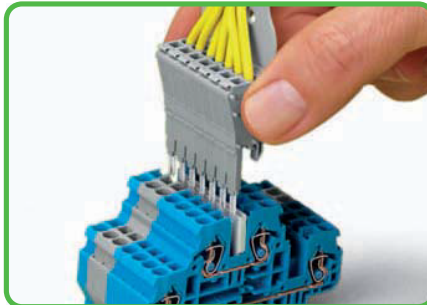


Commoning with step-down jumpers



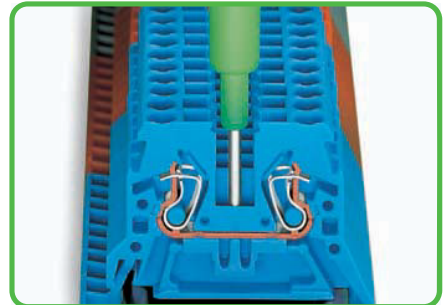
Commoning terminal blocks of different sizes - step down.

Testing

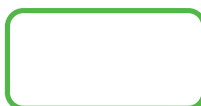


Testing is also possible using a pre-wired module assembly, similar to test plugs.

Testing

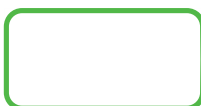


Testing with phase testing device, also possible with single-pole voltage tester.

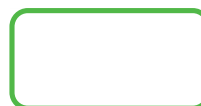


CAGE CLAMP® clamps the following copper conductors:*

solid



stranded



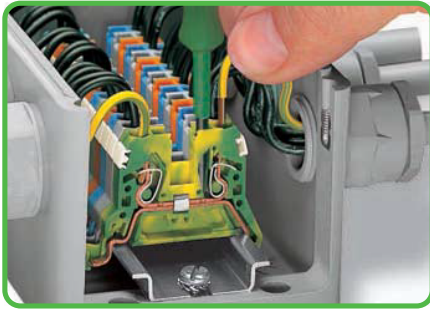
fine-stranded, also with tinned single strands

* 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.

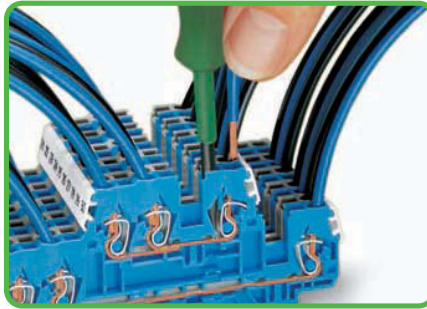
- Description and Handling -

CAGE CLAMP® connection



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

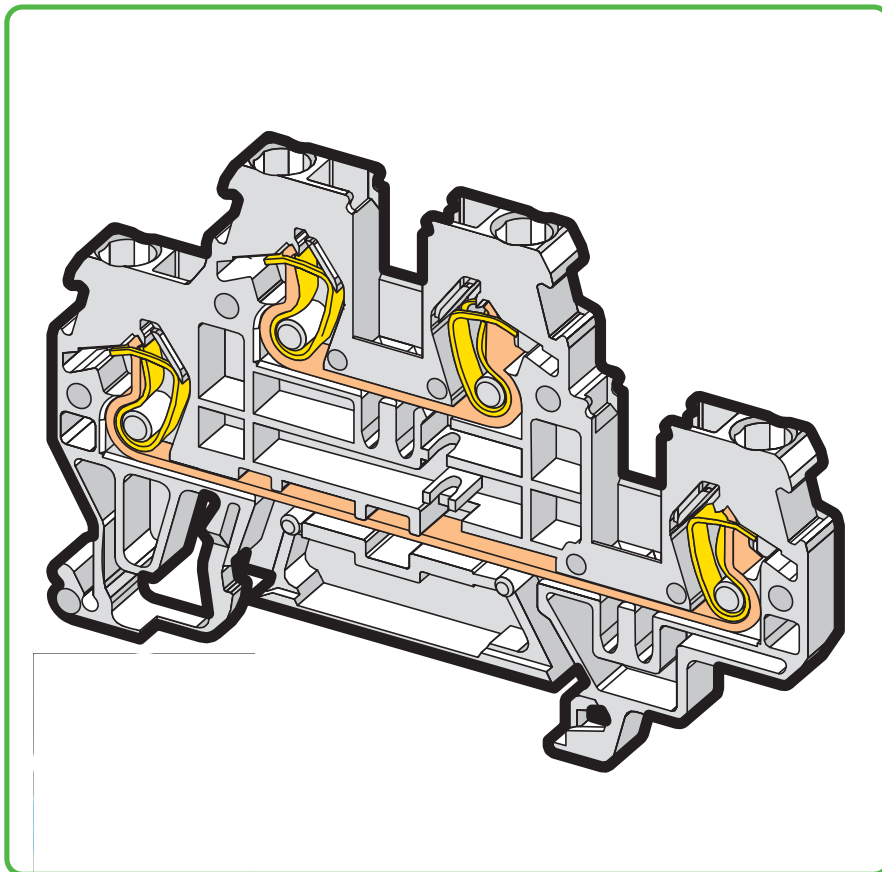
CAGE CLAMP® connection



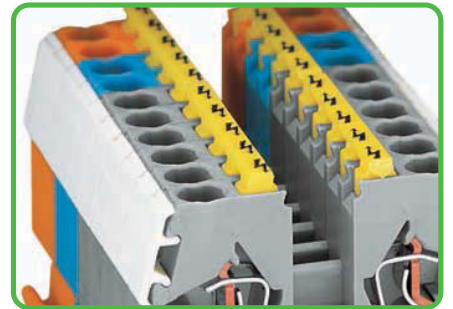
Multilevel terminal blocks



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

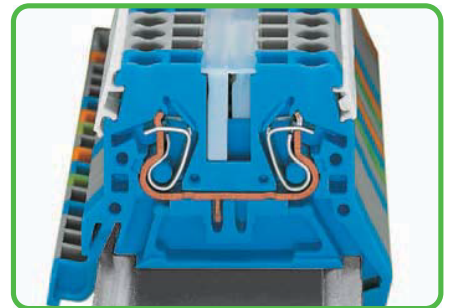


Protective warning marker



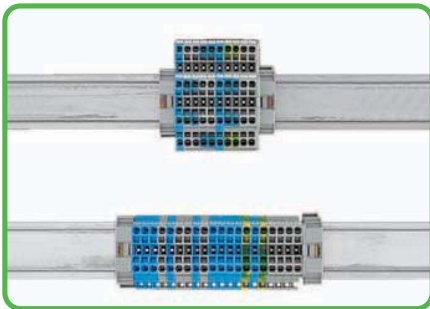
Protective warning markers (280-405), with black high-voltage symbols.

Marking



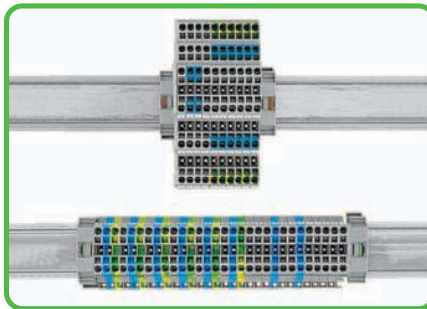
Marking the clamping unit via WMB Multi marking system or miniature WSB Quick marking system.

Space saver



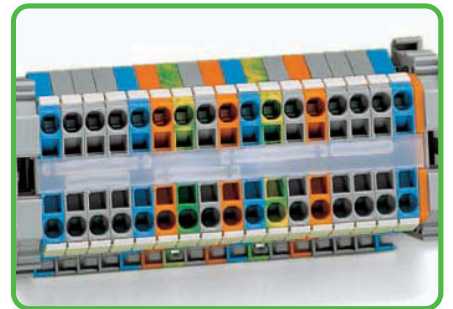
Save 50% of rail space when using double-deck terminal blocks.

Space saver

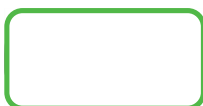


Save 67% of rail space when using triple-deck terminal blocks.

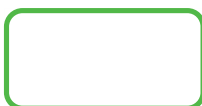
Marking Strips



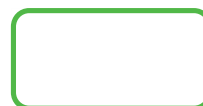
Transparent marker strips (note: Jumpers below may be visible).



fine-stranded,
tip-bonded



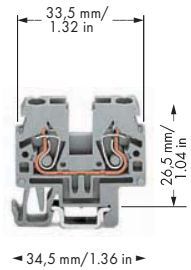
fine-stranded,
with ferrule ①
(gaslight crimped)



fine-stranded,
with pin terminal
(gaslight crimped)

0.08 - 2.5 (4 "f-st") mm² ① AWG 28 - 12
 500 V/6 kV/3 ② 300 V, 20 A. I_N 24 A

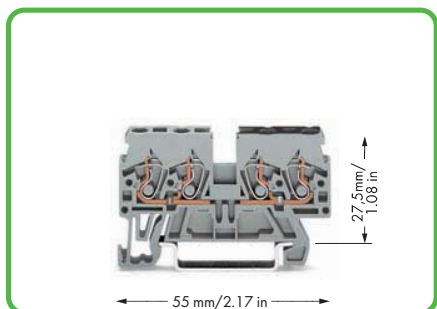
Terminal block width 5 mm / 0.197 in
 6 - 7 mm / 0.26 in ③



Assembly:
 Snap individual terminal blocks onto DIN 15 carrier rail and slide together.
Removal:
 Open assembly by laterally sliding terminal blocks with an operating tool and remove them from the rail.

- ① Max. insulation diameter: 4.4 mm
- ② 500 V = rated voltage
 6 kV = rated surge voltage
 3 = pollution degree
 (also see Section 14)
- ③ Strip length, see packaging or instructions.
- ④ Suitable for Ex i applications
- ⑤ Suitable for Ex e II applications
 0.2 mm² - 2.5 (4 "f-st") mm²/AWG 24 - 12
 440 V, 22 A
 Using push-in type jumper bars 1 to X, the maximum rated voltage is reduced to 275 V and the rated current to 13.5 A
 (also see Section 14)
- ⑥ See application notes for:
 Insulation stop, page 199
 Tap-off module, page 283

Item No.	Pack. Unit
2-conductor through terminal block, for DIN 15 rail	
gray 870-911	100
blue 870-914 ④	100
orange 870-912	100
light gray ⑤ 870-919	100
2-conductor ground terminal block, for DIN 15 rail, Notice: This ground conductor terminal block cannot be commoned with push-in type jumper bars.	
green-yellow 870-917	100



Double-potential terminal block
 with integrated marking position.
 gray 870-826
 Packing unit: 100 pcs

Notice: This double-potential terminal block cannot be commoned with push-in type jumper bars!

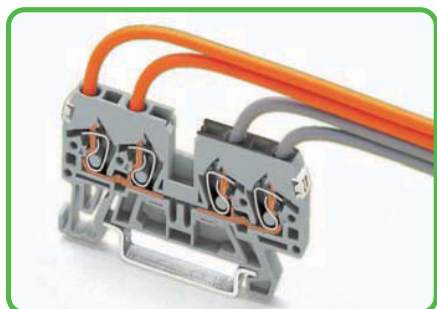


Protective warning markers inserted into the operating slots.

Item-Specific Accessories

End and intermediate plate, 2 mm thick			
orange 870-924	100	(4x25)	
gray 870-923	100	(4x25)	
light gray 870-925	100	(4x25)	
Separator, oversized, 2 mm thick			
orange 870-929	100	(4x25)	
gray 870-928	100	(4x25)	

For technical data and accessories, see www.wagocatalog.com



Miniature WSB or WMB markers provide marking directly on terminal block.



In order to meet creepage and clearance requirements for Ex e applications, it is necessary to insert an end or intermediate plate between a through and a ground conductor terminal block.
 End plates 870-923 (gray), 870-924 (orange) and 870-925 (light gray), as well as separator plates 870-928 (gray) and 870-929 (orange) cannot be assembled to 870-907/999-950 2-conductor ground Ex terminal blocks.

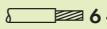
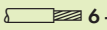

Protective warning marker,
 with high-voltage symbol, black,
 for 5 terminal blocks
 yellow 280-405 100 (4x25)

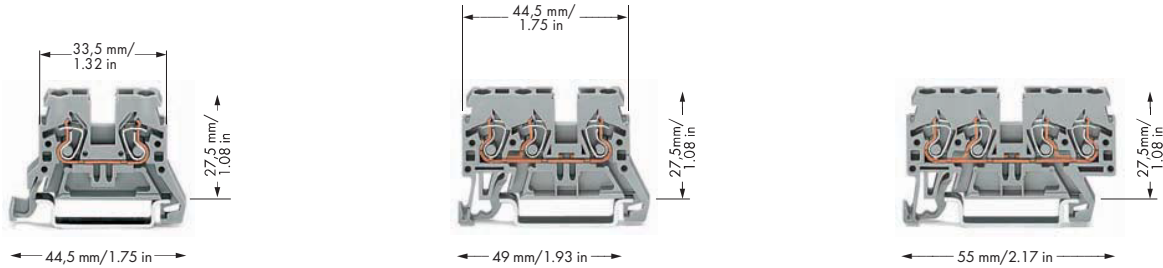
Tap-off module with anti-reverse mating protection,
 can be snapped together, 5 mm wide
 gray 870-425 100 (4x25)

















Miniature WSB Quick marking system,
 10 strips with 10 markers per card,
 5 mm wide markers
 plain 248-501 5

WAGO front-entry double-potential terminal blocks are space savers.
 Two independent feedthrough circuits are placed in one insulated housing on one level in just 5 mm/0.197 in. This achieves a width of just 2.5 mm/0.098 in is achieved versus standard through terminal blocks for a total height of only 27.5 mm/1.08 in from the upper edge of the carrier rail.
 Input and output contacts of one circuit are placed on the same side of the terminal block. Both circuits can be individually marked according to input and output.

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	2-way 870-402	from 1 to 3 870-433
	3-way 870-403	from 1 to 4 870-434
	4-way 870-404	from 1 to 5 870-435
	5-way 870-405	from 1 to 6 870-436
	6-way 870-406	from 1 to 7 870-437
	7-way 870-407	from 1 to 8 870-438
	8-way 870-408	from 1 to 9 870-439
	9-way 870-409	from 1 to 10 870-440
	10-way 870-410	

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