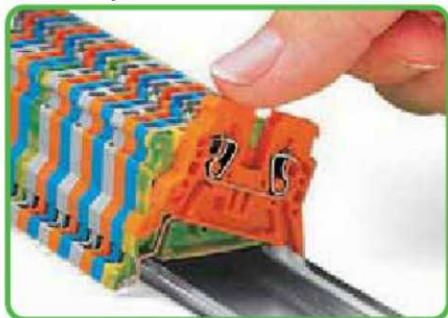


# Compact Rail-Mounted Terminal Blocks for DIN 15 and DIN 35 Rails, 870 Series – Description and Handling –

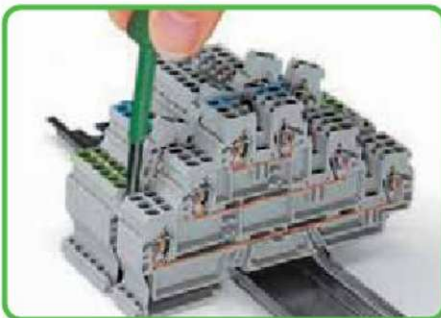
232

## Assembly



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

## Removal



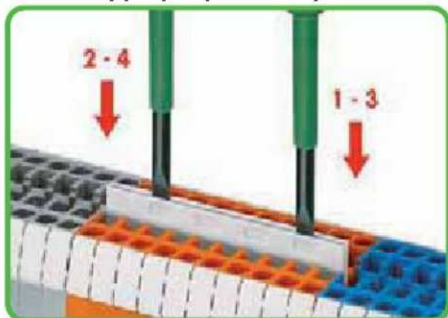
Removing a terminal block from the assembly.

## Insulation stop



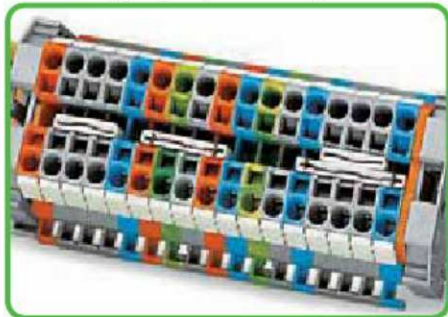
Inserting an insulation stop.

## Push-in type jumper bar system

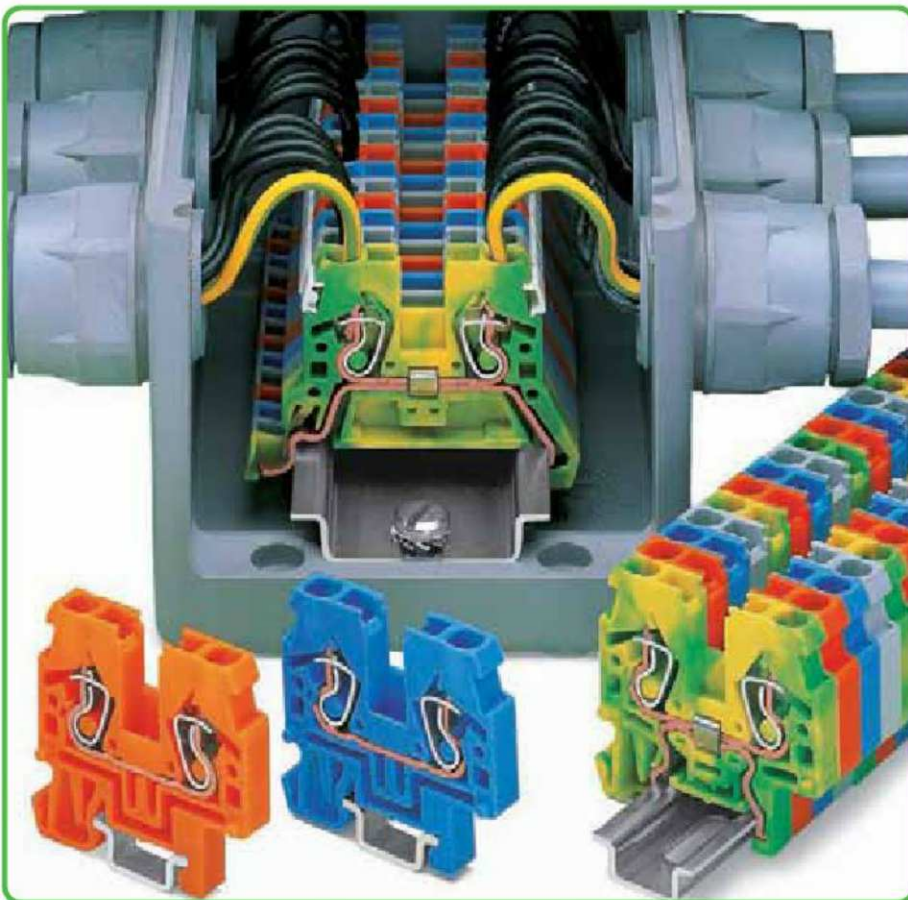


Push jumper bars down firmly until fully inserted. When using multipole bars, push alternately on right and then left side, until installed.  
Push-in type jumper bars 1 - 3 - 5 - 7 or 1 - - 4 - - 7 upon request.

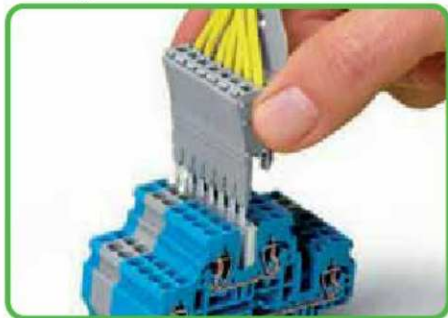
## Push-in type jumper bar system



Two parallel jumper receptacles are accommodated in one terminal block.



## Testing



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

## Protective warning marker



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

## Commoning with step-down jumpers



Commoning terminal blocks of different sizes - step down.



**CAGE CLAMP®**  
clamps the following  
copper conductors:\*

solid



stranded



fine-stranded,  
also with tinned  
single strand

\* For aluminum conductors, see notes in Section 1.4.

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

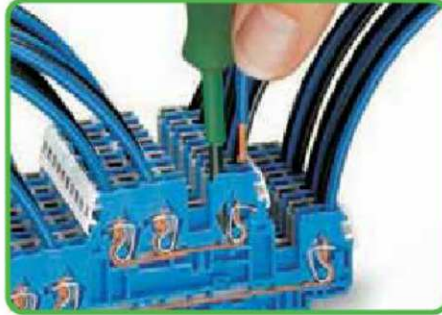


## CAGE CLAMP® connection



Terminating fine-stranded conductors ranging from 0.08 to 4 mm<sup>2</sup> (AWG 28 - 12).

## CAGE CLAMP® connection

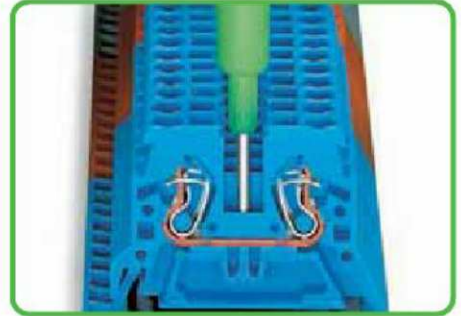


## Multilevel terminal blocks



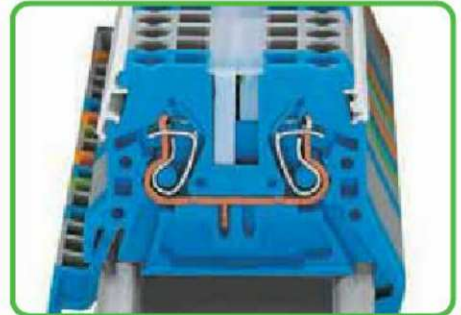
Double- and triple-deck terminal blocks with internal commoning acting as 4- and 6-conductor terminal blocks.

## Testing

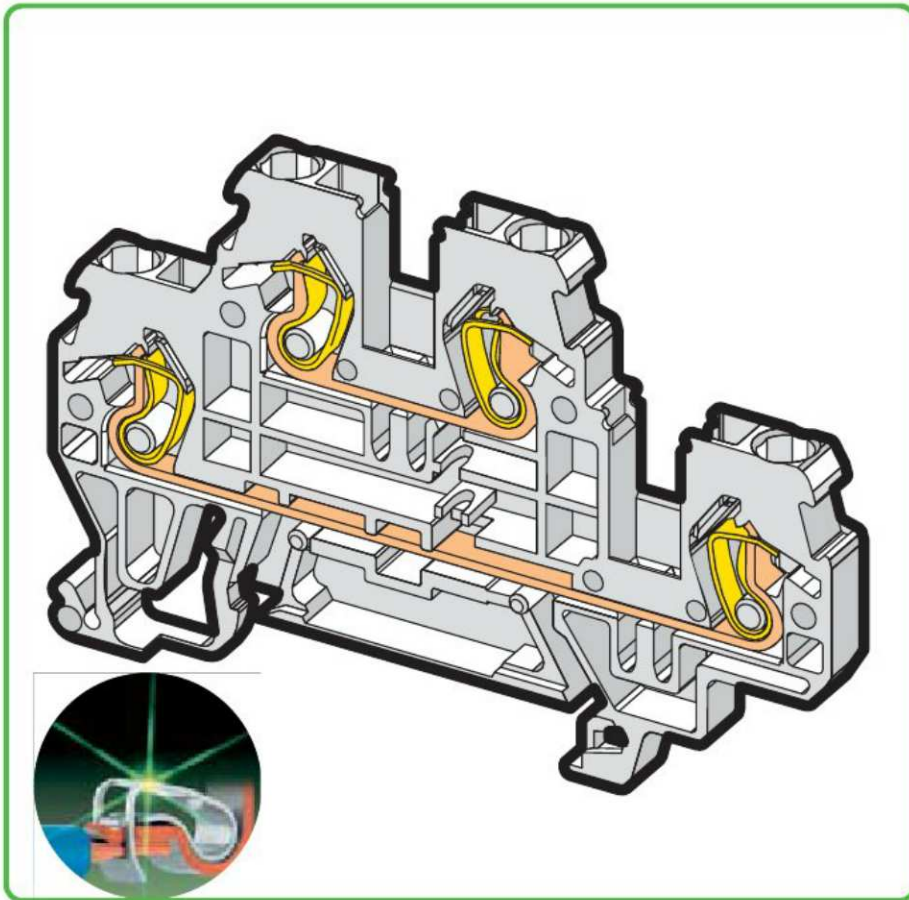


Testing with phase testing device, also possible with single-pole voltage tester.

## 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  
(gastight crimped)

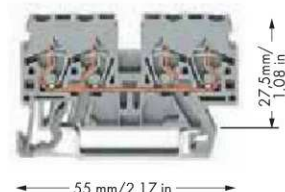
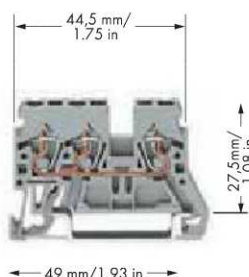
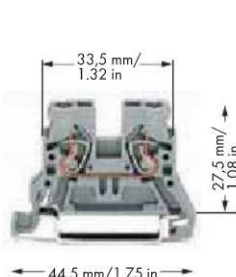
































fine-stranded,  
with pin terminal  
(gastight crimped)

# Through/Ground Conductor and $\text{Ex}$ Terminal Blocks 2.5 mm<sup>2</sup> (4 mm<sup>2</sup> "f-st") for DIN 35 and DIN 15 Rails

## 870 Series

0.08 - 2.5 (4 "f-st")mm <sup>2</sup> ① 500 V/6 kV/3 ② I <sub>N</sub> 24 A	AWG 28 - 12 300 V, 20 A:  600 V, 5 A: 	0.08 - 2.5 (4 "f-st")mm <sup>2</sup> ① 500 V/6 kV/3 ② I <sub>N</sub> 24 A	AWG 28 - 12 300 V, 20 A:  600 V, 5 A: 	0.08 - 2.5 (4 "f-st")mm <sup>2</sup> ① 500 V/6 kV/3 ② I <sub>N</sub> 24 A	AWG 28 - 12 300 V, 20 A:  600 V, 5 A: 
Terminal block width 5 mm / 0.197 in  6 - 7 mm / 0.26 in ③		Terminal block width 5 mm / 0.197 in  6 - 7 mm / 0.26 in ③		Terminal block width 5 mm / 0.197 in  6 - 7 mm / 0.26 in ③	





Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
<b>2-conductor through terminal block,</b> for DIN 35 rail		<b>3-conductor through terminal block,</b> for DIN 35 rail		<b>4-conductor through terminal block,</b> 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				
<b>2-conductor ground terminal block,</b> for DIN 35 rail, Notice: This ground conductor terminal block cannot be commoned with push-in type jumper bars.		<b>3-conductor ground terminal block,</b> for DIN 35 rail, Notice: This ground conductor terminal block cannot be commoned with push-in type jumper bars.		<b>4-conductor ground terminal block,</b> 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				
<b>Item-Specific Accessories</b>		<b>Item-Specific Accessories</b>		<b>Item-Specific Accessories</b>	
<b>End and intermediate plate, 2 mm thick</b>		<b>End and intermediate plate, 1 mm thick</b>		<b>End and intermediate plate, 1 mm thick</b>	
 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)				
<b>Separator, oversized, 2 mm thick</b>		<b>Separator, oversized, 1 mm thick</b>		<b>Separator, oversized, 1 mm thick</b>	
 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)
<b>End and intermediate plate, 2 mm thick,</b> for 2-conductor ground conductor Ex terminal blocks only					
 green-yellow 870-926	100 (4x25)				
<b>Ex e/Ex i separator, orange,</b> 3 mm thick					
 90 mm 209-190	50 (2x25)				
 120 mm 209-191	50 (2x25)				

### 870 Series Accessories

Appropriate marking system: WMB/Mini-WSB  
(see Section 13)

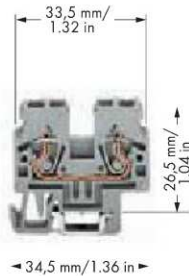
<b>Insulation stop,</b> ⑥  5 pcs/strip, 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st") white 280-470 200 (8x25)		<b>Push-in type jumper bar, insulated,</b>  I <sub>N</sub> 18 A, light gray		<b>Push-in type jumper bar, insulated,</b>  I <sub>N</sub> 18 A, light gray	
<b>Insulation stop,</b> ⑥  5 pcs/strip, 0.25 - 0.5 mm <sup>2</sup> light gray 280-471 200 (8x25)		2-way 870-402 200 (8x25)		1 - 3 870-433 200 (8x25)	
<b>Insulation stop,</b> ⑥  5 pcs/strip, 0.75 - 1 mm <sup>2</sup> dark gray 280-472 200 (8x25)		3-way 870-403 200 (8x25)		1 - 4 870-434 200 (8x25)	
		4-way 870-404 200 (8x25)		1 - 5 870-435 100 (4x25)	
		5-way 870-405 100 (4x25)		1 - 6 870-436 100 (4x25)	
		6-way 870-406 100 (4x25)		1 - 7 870-437 100 (4x25)	
		7-way 870-407 100 (4x25)		1 - 8 870-438 100 (4x25)	
		8-way 870-408 100 (4x25)		1 - 9 870-439 100 (4x25)	
		9-way 870-409 100 (4x25)		1 - 10 870-440 100 (4x25)	
		10-way 870-410 100 (4x25)			



0.08 - 2.5 (4 "f-st") mm<sup>2</sup> ① AWG 28 - 12  
 500 V/6 kV/3 ② 300 V, 20 A:   
 I<sub>N</sub> 24 A 600 V, 5 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:

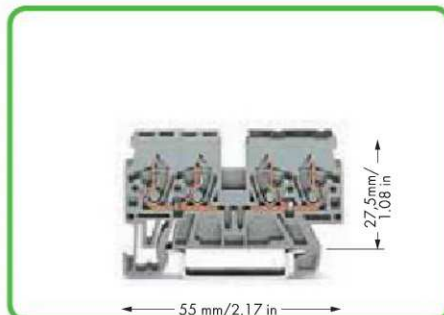
Open assembly by laterally sliding terminal blocks with an operating tool and remove them from the rail.

- 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 mm<sup>2</sup> - 2.5 (4 "f-st") mm<sup>2</sup>/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 159  
 Tap-off module, page 241

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

#### Item-Specific Accessories

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



#### 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!**

For technical data and accessories,  
 see [www.wagocatalog.com](http://www.wagocatalog.com)



Protective warning markers inserted into the operating slots.



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

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.



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,

⑥ 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

# Double-Deck Terminal Blocks 2.5 mm<sup>2</sup> (4 mm<sup>2</sup> "f-st") 870 Series

CAGE CLAMP®

0.08 - 2.5 (4 "f-st") mm<sup>2</sup> ① AWG 28 - 12  
500 V/6 kV/3 ②  
I<sub>N</sub> 24 A

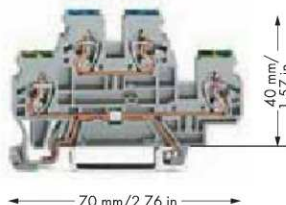
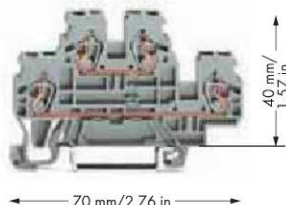
Terminal block width 5 mm / 0.197 in

6 - 7 mm / 0.26 in ③

0.08 - 2.5 (4 "f-st") mm<sup>2</sup> ① AWG 28 - 12  
500 V/6 kV/3 ②  
I<sub>N</sub> 24 A

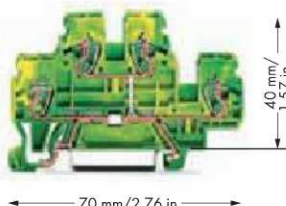
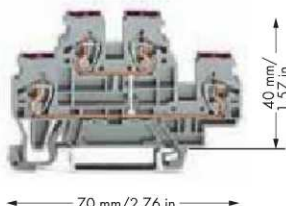
Terminal block width 5 mm / 0.197 in

6 - 7 mm / 0.26 in ③



- 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 mm<sup>2</sup> - 2.5 (4 "f-st") mm<sup>2</sup>/AWG 24 - 12  
440 V, 18 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 159

Item No.	Pack. Unit	Item No.	Pack. Unit
<b>Through/through terminal block,</b> housing color: gray		<b>Ground conductor/through terminal block,</b> housing color: gray	
L/L 870-501	50	PE/N 870-517	50
N/L 870-502	50	PE/L 870-527	50
L/N 870-503	50		
<b>Through/through terminal block,</b> housing color: blue			
N/N 870-504	50		
<b>Through/through terminal block,</b> housing color: light gray		<b>Ground conductor/through terminal block,</b> housing color: light gray	
L/L ⑤ 870-961	50	PE/L ⑤ 870-967/999-950	50
<b>Other terminal blocks with the same profile:</b>			
Diode 870-540/281-410	Page 246		
LED 870-543/281-434	Page 246		



Item No.	Pack. Unit	Item No.	Pack. Unit
<b>4-conductor through terminal block, internal</b> commoning, conductor entry position colored in violet, housing color: gray		<b>4-conductor ground terminal block, internal</b> commoning, housing color: green-yellow	
L 870-508	50	PE 870-507	50
<b>4-conductor through terminal block, internal</b> commoning, conductor entry position colored in violet, housing color: blue			
N 870-509	50		

## Accessories

### WMB/Miniature WSB

<b>End and intermediate plate, 2 mm thick</b>		
orange	870-519	100 (4x25)
gray	870-518	100 (4x25)

<b>Ex e/Ex i separator, orange,</b>		
3 mm thick		
125.5 mm	209-192	50 (2x25)

<b>Insulation stop,</b>		
⑥ 5 pcs/strip,		
0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st")		
white	280-470	200 (8x25)

<b>Insulation stop,</b>		
⑥ 5 pcs/strip,		
0.25 - 0.5 mm <sup>2</sup>		
light gray	280-471	200 (8x25)

<b>Insulation stop,</b>		
⑥ 5 pcs/strip,		
0.75 - 1 mm <sup>2</sup>		
dark gray	280-472	200 (8x25)

<b>Push-in type jumper bar, insulated,</b>		
I <sub>N</sub> 18 A,		
light gray		
2-way	870-402	200 (8x25)
3-way	870-403	200 (8x25)
4-way	870-404	200 (8x25)
5-way	870-405	100 (4x25)
6-way	870-406	100 (4x25)
7-way	870-407	100 (4x25)
8-way	870-408	100 (4x25)
9-way	870-409	100 (4x25)
10-way	870-410	100 (4x25)

<b>Push-in type jumper bar, insulated,</b>		
I <sub>N</sub> 18 A,		
light gray		
1 - 3	870-433	200 (8x25)
1 - 4	870-434	200 (8x25)
1 - 5	870-435	100 (4x25)
1 - 6	870-436	100 (4x25)
1 - 7	870-437	100 (4x25)
1 - 8	870-438	100 (4x25)
1 - 9	870-439	100 (4x25)
1 - 10	870-440	100 (4x25)

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



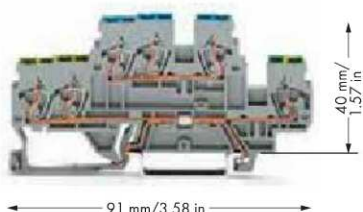
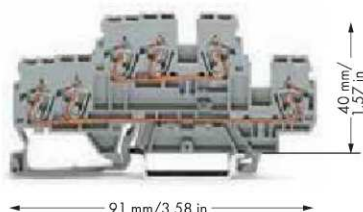
# 3-Conductor Double-Deck Terminal Blocks 2.5 mm<sup>2</sup> (4 mm<sup>2</sup> "f-st") 870 Series

CAGE CLAMP®

4

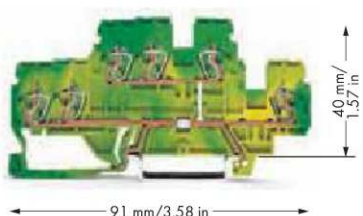
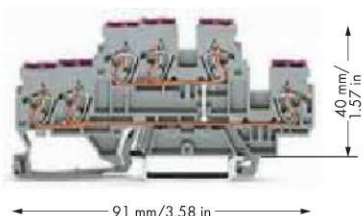
237

0.08 - 2.5 (4 "f-st")mm <sup>2</sup> ① 500 V/6 kV/3 ② I <sub>N</sub> 24 A Terminal block width 5 mm / 0.197 in 6 - 7 mm / 0.26 in ③	AWG 28 - 12 300 V, 20 A ④ 600 V, 5 A ④	0.08 - 2.5 (4 "f-st")mm <sup>2</sup> ① 500 V/6 kV/3 ② I <sub>N</sub> 24 A Terminal block width 5 mm / 0.197 in 6 - 7 mm / 0.26 in ③	AWG 28 - 12
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- 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 See application notes for:  
Insulation stop, page 159

Item No.	Pack. Unit	Item No.	Pack. Unit	Accessories
<b>Through/through terminal block,</b> housing color: gray		<b>Ground conductor/through terminal block,</b> housing color: gray		WMB/Miniature WSB
L/L	870-531 50	PE/N	870-535 50	<b>End and intermediate plate, 2 mm thick</b>
N/L	870-532 50	PE/L	870-536 50	orange 870-574 100 (4x25)
L/N	870-533 50			gray 870-573 100 (4x25)
<b>Through/through terminal block,</b> housing color: blue				<b>Insulation stop,</b>
N/N	870-534 50			⑤ 5 pcs/strip, 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st") white 280-470 200 (8x25)



Item No.	Pack. Unit	Item No.	Pack. Unit	Accessories
<b>6-conductor through terminal block, internal</b> commoning, conductor entry position colored in violet, housing color: gray		<b>6-conductor ground terminal block, internal</b> commoning, housing color: green-yellow		<b>Insulation stop,</b>
L	870-538 50	PE	870-537 50	⑤ 5 pcs/strip, 0.25 - 0.5 mm <sup>2</sup> light gray 280-471 200 (8x25)
<b>6-conductor through terminal block, internal</b> commoning, conductor entry position colored in violet, housing color: blue				<b>Insulation stop,</b>
N	870-539 50			⑤ 5 pcs/strip, 0.75 - 1 mm <sup>2</sup> dark gray 280-472 200 (8x25)
				<b>Push-in type jumper bar, insulated,</b>
				I <sub>N</sub> 18 A, light gray
				2-way 870-402 200 (8x25)
				3-way 870-403 200 (8x25)
				4-way 870-404 200 (8x25)
				5-way 870-405 100 (4x25)
				6-way 870-406 100 (4x25)
				7-way 870-407 100 (4x25)
				8-way 870-408 100 (4x25)
				9-way 870-409 100 (4x25)
				10-way 870-410 100 (4x25)
				<b>Push-in type jumper bar, insulated,</b>
				I <sub>N</sub> 18 A, light gray
				1 - 3 870-433 200 (8x25)
				1 - 4 870-434 200 (8x25)
				1 - 5 870-435 100 (4x25)
				1 - 6 870-436 100 (4x25)
				1 - 7 870-437 100 (4x25)
				1 - 8 870-438 100 (4x25)
				1 - 9 870-439 100 (4x25)
				1 - 10 870-440 100 (4x25)
				<b>Protective warning marker,</b> with high-voltage symbol, black, for 5 terminal blocks yellow 280-405 100 (4x25)
				<b>Marking strip, plain,</b> 7.5 mm wide, 1 m/3'3" long translucent 709-196 10

# Triple-Deck Terminal Blocks 2.5 mm<sup>2</sup> (4 mm<sup>2</sup> "f-st") 870 Series

CAGE CLAMP®

0.08 - 2.5 (4 "f-st") mm<sup>2</sup> ① AWG 28 - 12  
500 V/6 kV/3 ②  
I<sub>N</sub> 24 A

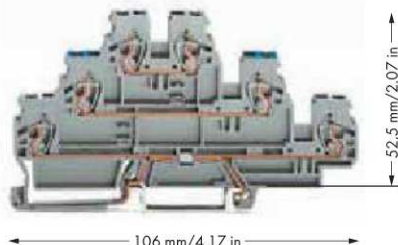
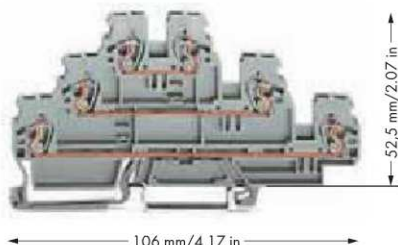
Terminal block width 5 mm / 0.197 in

6 - 7 mm / 0.26 in ③

0.08 - 2.5 (4 "f-st") mm<sup>2</sup> ① AWG 28 - 12  
500 V/6 kV/3 ②  
I<sub>N</sub> 24 A

Terminal block width 5 mm / 0.197 in

6 - 7 mm / 0.26 in ③



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 e II applications  
0.2 mm<sup>2</sup> - 2.5 (4 "f-st") mm<sup>2</sup>/AWG 24 - 12  
440 V, 18 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)

⑤ See application notes for:  
Insulation stop, page 159

Item No.	Pack. Unit
<b>Through/through/through terminal block,</b> housing color: gray	
L/L/L 870-551	50
L/L/N 870-553	50
<b>Ground conductor/through/through terminal block,</b> housing color: gray	
PE/N/L 870-567	50
PE/L/L 870-577	50
<b>Through/through/through terminal block,</b> housing color: light gray	
L/L/L ④ 870-951	50
<b>Other terminal blocks with the same profile:</b>	
Diode 870-590/281-410	Page 248
LED 870-593/281-434	Page 249

Item No.	Pack. Unit
<b>Shield/through/through terminal block,</b> housing color: gray	
Shield/N/L 870-558	50
Shield/L/L 870-559	50
<b>Ground conductor/through/through terminal block,</b> housing color: light gray	
PE/L/L 870-957/999-950 ④	50

## Accessories

### WMB/Miniature WSB

<b>End and intermediate plate, 2 mm thick</b>		
orange	870-569	50 (2x25)
gray	870-568	50 (2x25)

<b>Insulation stop,</b>		
⑤	5 pcs/strip, 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st")	
	white	280-470 200 (8x25)

<b>Insulation stop,</b>		
⑤	5 pcs/strip, 0.25 - 0.5 mm <sup>2</sup>	
	light gray	280-471 200 (8x25)

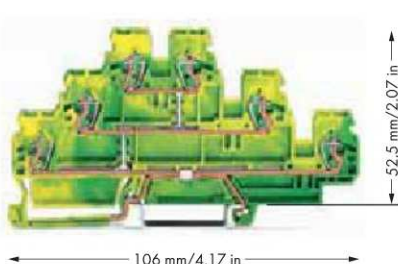
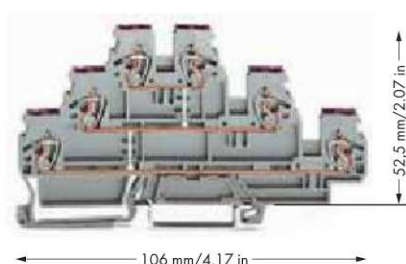
<b>Insulation stop,</b>		
⑤	5 pcs/strip, 0.75 - 1 mm <sup>2</sup>	
	dark gray	280-472 200 (8x25)

<b>Push-in type jumper bar, insulated,</b>		
	I <sub>N</sub> 18 A, light gray	
	2-way	870-402 200 (8x25)
	3-way	870-403 200 (8x25)
	4-way	870-404 200 (8x25)
	5-way	870-405 100 (4x25)
	6-way	870-406 100 (4x25)
	7-way	870-407 100 (4x25)
	8-way	870-408 100 (4x25)
	9-way	870-409 100 (4x25)
	10-way	870-410 100 (4x25)

<b>Push-in type jumper bar, insulated,</b>		
	I <sub>N</sub> 18 A, light gray	
	1 - 3	870-433 200 (8x25)
	1 - 4	870-434 200 (8x25)
	1 - 5	870-435 100 (4x25)
	1 - 6	870-436 100 (4x25)
	1 - 7	870-437 100 (4x25)
	1 - 8	870-438 100 (4x25)
	1 - 9	870-439 100 (4x25)
	1 - 10	870-440 100 (4x25)

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

<b>Marking strip, plain,</b>		
	7.5 mm wide, 1 m/3'3" long	
	translucent	709-196 10



Item No.	Pack. Unit
<b>6-conductor through terminal block, internal</b> commoning, conductor entry position colored in violet, housing color: gray	
L 870-556	50

Item No.	Pack. Unit
<b>6-conductor ground terminal block, internal</b> commoning, housing color: green-yellow	
PE 870-557	50

## 4



In addition to the plastic marker strips, group marker carriers are now available for the WMB and WSB marking systems. They can be mounted parallel to a push-in type jumper bar via open jumper contact slot. It assists with viewing marker slots on the side of the terminal block. Group marker carriers are available in 5 mm/0.197 in, 10 mm/0.394 in and 15 mm/0.591 in widths.

**Notice:**  
Marker carriers are not suitable for ground conductor terminal blocks and double-potential terminal blocks as they have no jumper contact slots.

**Notice:**  
Marker carriers are not suitable for ground conductor terminal blocks and double-potential terminal blocks as they have no jumper contact slots.



# Tap-Off Modules, 870 Series – Description and Handling –

CAGE CLAMP®

## Assembly



Snapping together tap-off and spacer modules to create a module assembly (max. 10 poles).



Module assembly with CAGE CLAMP® connections (0.25 mm² - 2.5 mm²/AWG 24 - 14), including strain relief plate and marker slots for miniature WSB or WMB markers.

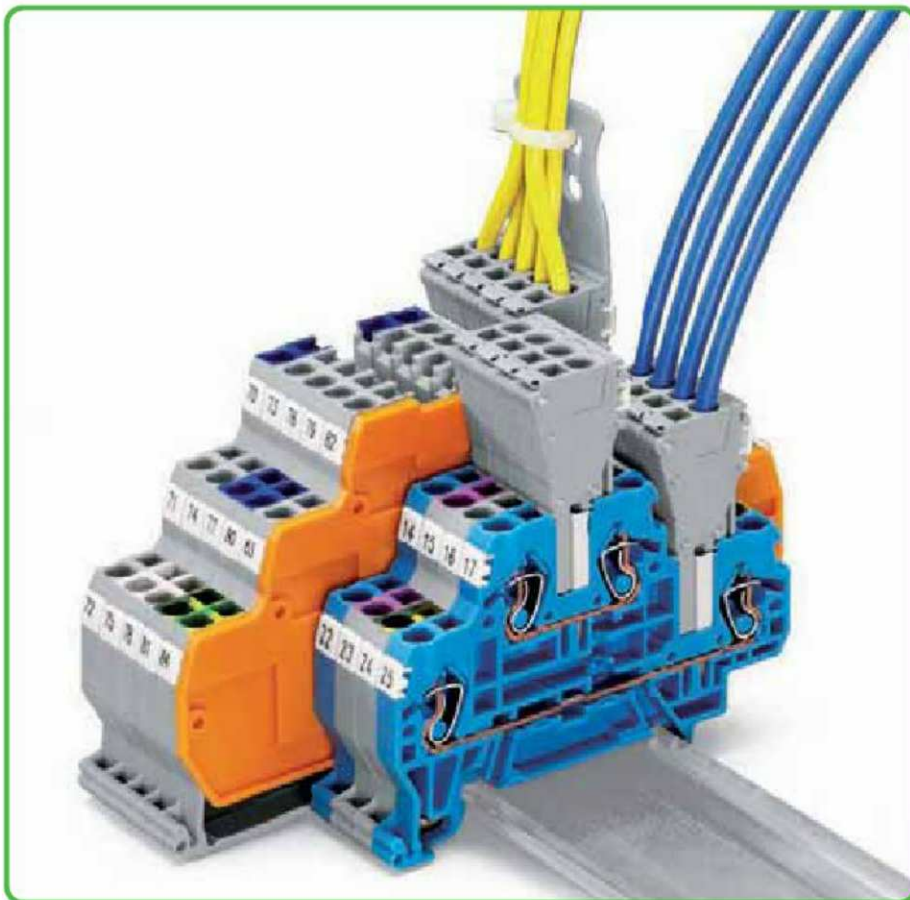


The module assembly can be directly inserted into jumper contact slots of the terminal blocks. The terminal blocks can also be commoned via push-in type jumper bars parallel to the jumper slots being used by the modules.

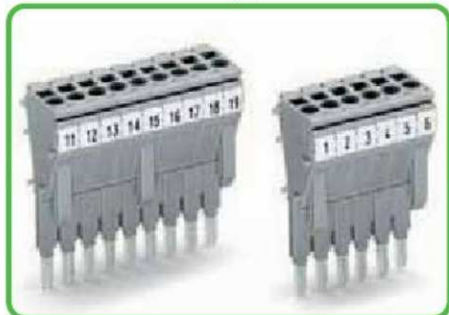
## CAGE CLAMP® connection



Tap-off modules are used when additional or removable connections are required (can be used as a permanent connection or a test plug). Wiring is possible whether the modules are plugged into the assembly or not.



## Anti-reverse mating protection

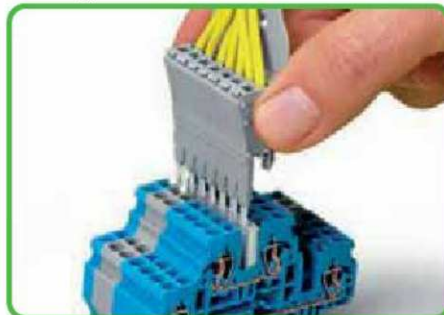


Using anti-reverse mating modules at both ends of a module assembly prevents reverse mating.



Three anti-reverse mating modules are necessary when snapping more than 7 modules together.

## Testing



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



CAGE CLAMP® clamps the following copper conductors:\*

solid



stranded



fine-stranded, also with tinned single strand


\* For aluminum conductors, see notes in Section 1.4.

**CAGE CLAMP®**

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For additional wire connections, as well as serial testing on terminal block assemblies, WAGO has developed special tap-off modules. The tap-off modules readily adapt to terminal block assemblies using spacer modules, if necessary (see left). It is possible to connect the modules is performed directly in the jumper contact positions of the terminal blocks to be tested/tapped, even though a push-in type jumper bar is already being used.

Miniature WSB Quick marking system,

Strain relief plate, gray				
	6 mm wide	<b>734-327</b>	100	(4x25)
	12.5 mm wide	<b>734-328</b>	100	(4x25)
	25 mm wide	<b>734-329</b>	100	(4x25)
	35 mm wide	<b>734-326</b>	100	(4x25)