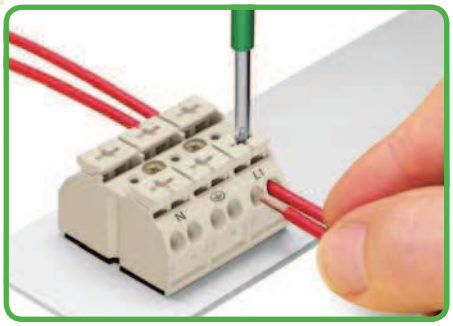
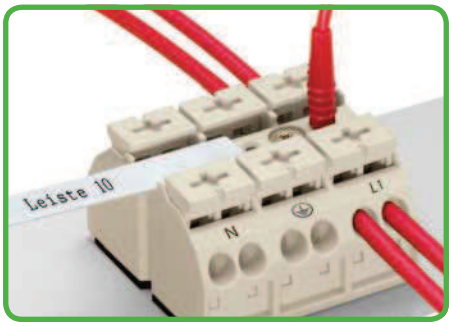
4-Conductor, Chassis-Mount Terminal Strips
Description and Handling, 862 Series

Conductor termination



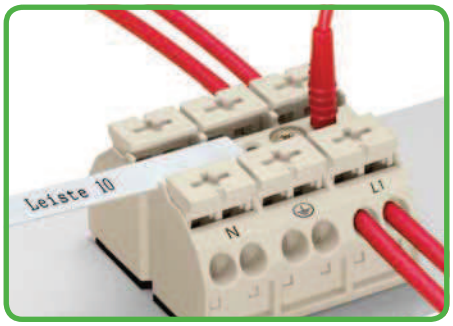
Four conductors per pole for solid and fine-stranded conductors.

Marking



Marking
Direct, one-side printing
Marking strips

Testing

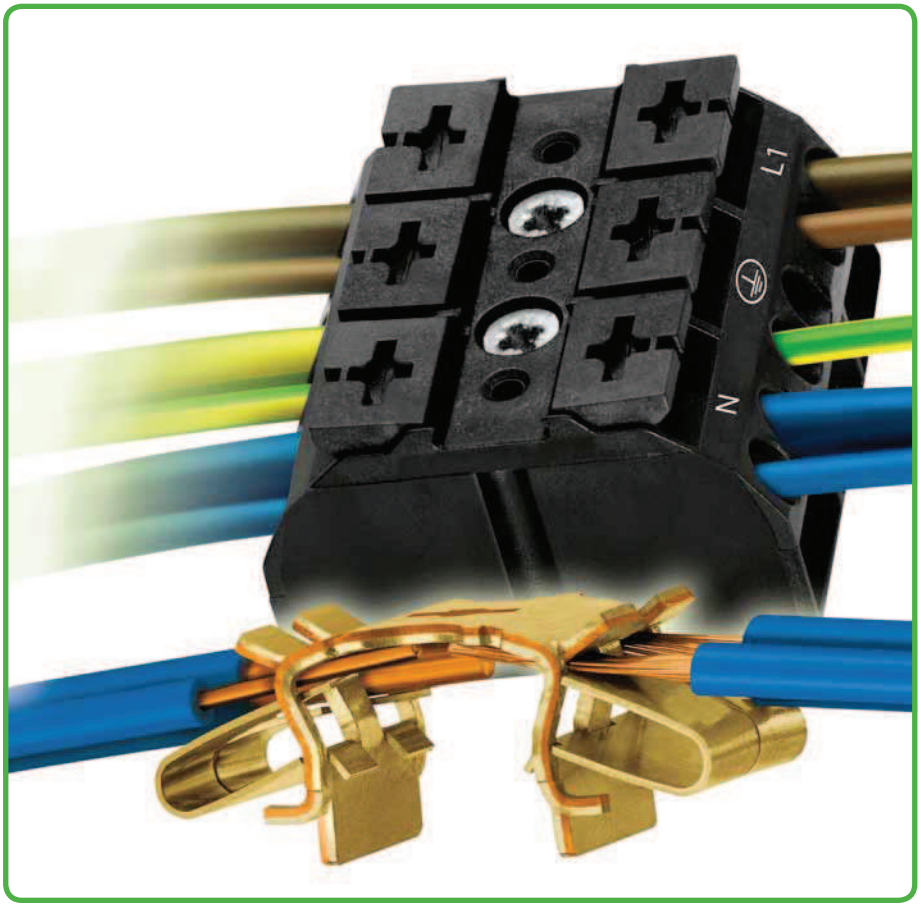


Testing
with test plug 2 mm Ø.

Ground contact (PE contact)



Makes an automatic contact to the mounting plate. The varnish coating is penetrated automatically.



Commoning



Commoning with comb-style jumper bar.

Cost-effective features:

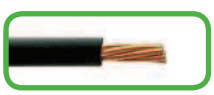
The 862 Series chassis-mount terminal strips were developed specifically to **minimize wiring costs**, while accommodating requirements for easy mounting, multiple connection points, marking and handling:

- The 862 Series equipped with CAGE CLAMP®S connects up to four conductors sized 0.5 mm² to 4 mm² (AWG 20–12). Due to multiple connection points per pole, different conductor sizes can be used within the same terminal block position.
- CAGE CLAMP®S termination technology allows solid conductors, fine-stranded conductors with ferrules or ultrasonically bonded conductors from 0.5 mm² to 4 mm² (AWG 20–12) to be connected by simply pushing the conductor into contact. (Length of bonded wire end min. 10 mm/0.39 in).
- Convenient automatic grounding contact available as an option.
- Snap-in mounting feet for fast assembly.
- Push-buttons for easy handling with an operating tool or by hand.
- Built-in test points simplify testing with test plug 2 mm Ø.
- Flexible marking options with standard marking (pre-marked), marker strip or custom marked for large quantity orders.

CAGE CLAMP®S clamps the following copper conductors:



solid



stranded



fine-stranded



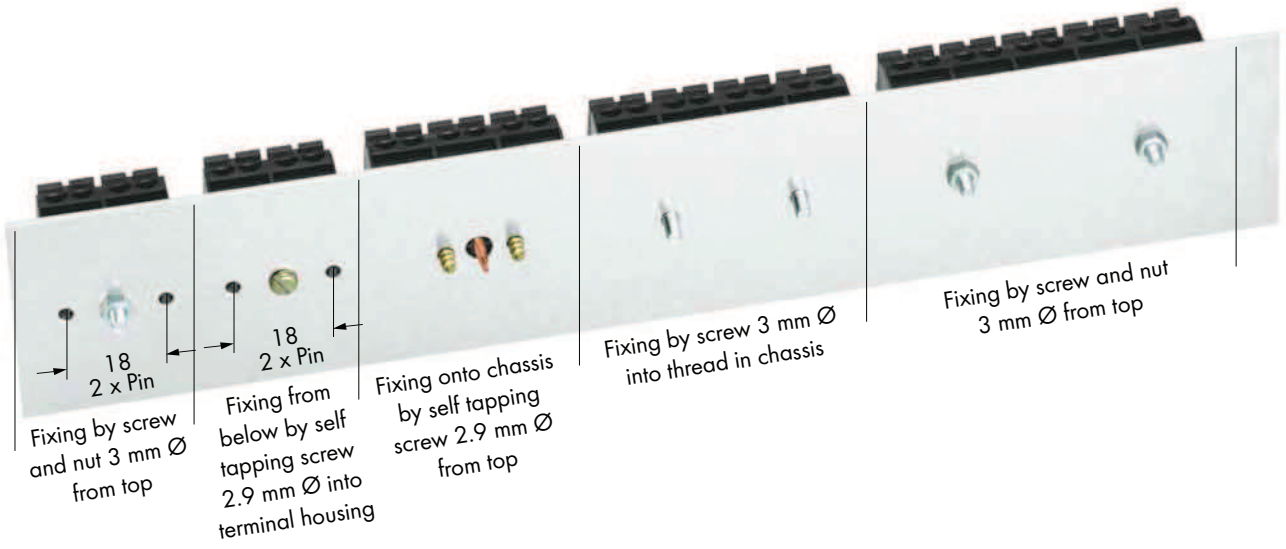
tip bonded

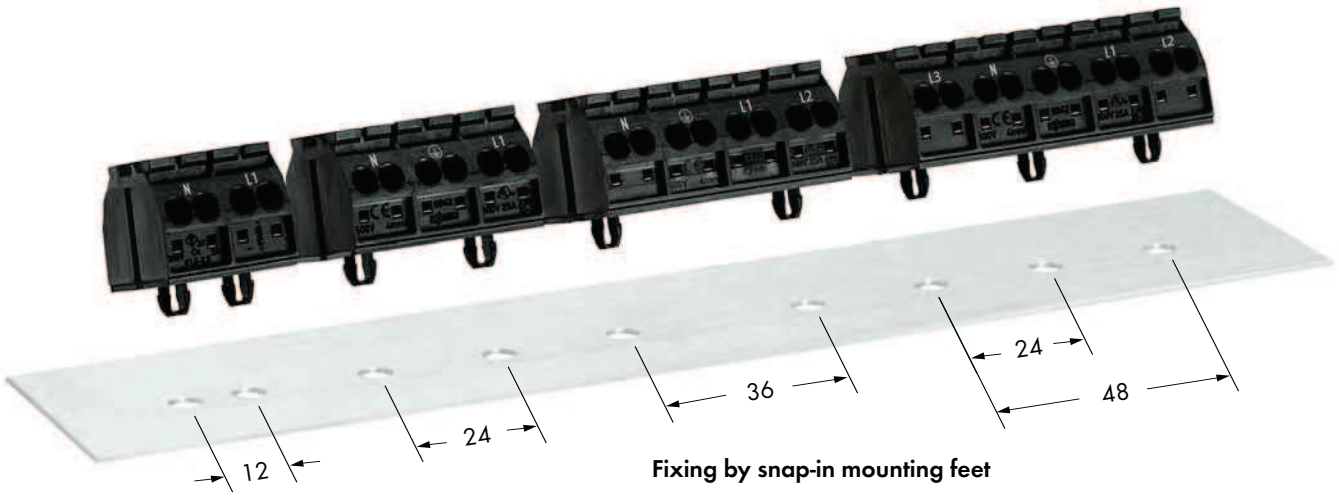


with ferrule

Strip length, see packaging or instructions.

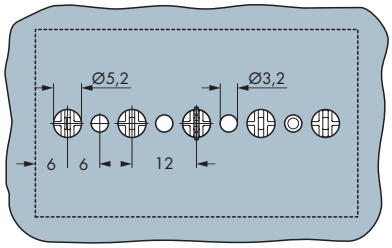
Mounting Types

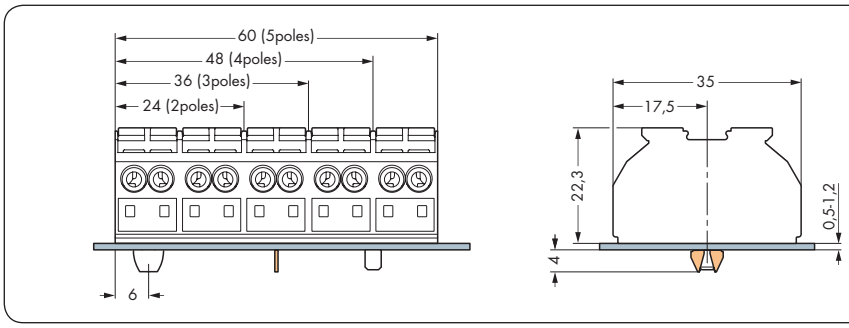


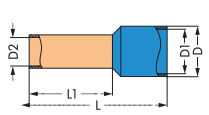
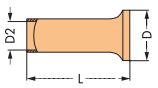


Fixing by snap-in mounting feet

Dimensions





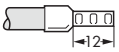
Ferrules		Sleeve for mm²	AWG	Color	Strip Length L mm	L	L1	D mm	D1	D2	Item No.	Pack. Unit
	**Insulated ferrules**	0,5	22	white	12,0	16,0	10,0	3,1	2,6	1,0	**216-241**	1000
		0,75	20	gray	12,0	16,0	10,0	3,3	2,8	1,2	**216-242**	1000
		1,0	18	red	12,0	16,0	10,0	3,5	3,0	1,4	**216-243**	1000
		1,5	16	black	12,0	16,0	10,0	4,0	3,5	1,7	**216-244**	1000
		2,5	14	blue	12,0	17,0	10,0	4,7	4,2	2,2	**216-246**	1000
		4	12	gray	14,0	20,0	12,0	5,4	4,8	2,8	**216-267**	500
	**Uninsulated ferrules**	0,5	22		10	10		2,1		1,0	**216-141**	1000
		0,75	20		10	10		2,3		1,2	**216-142**	1000
		1,0	18		10	10		2,5		1,4	**216-143**	1000
		1,5	16		10	10		2,8		1,7	**216-144**	1000
		2,5	14		10	10		3,4		2,2	**216-106**	1000
		4	12		12	12		4,0		2,8	**216-167**	1000

Please find the entire product range in our Full Line Catalog, Volume 1. Additional information at www.wago.com.

4-Conductor, Chassis-Mount Terminal Strips
2- and 3-Pole, 4 mm²
862 Series

	0.5 - 4 mm² ❶ 500 V/6 kV/3 I_N 32 A	AWG 20 - 12 300 V, 20 A 300 V, 20 A	0.5 - 4 mm² ❶ 500 V/6 kV/3 I_N 32 A	AWG 20 - 12 300 V, 20 A 300 V, 20 A
	10 - 11 mm / 0.41 in		10 - 11 mm / 0.41 in	
	❷ Approvals		❷ Approvals	

❶ Conductor sizes: 0.25 – 4 mm² "s + f-st";
Push-in conductor sizes: 0.75 – 4 mm² "s" and
0.75 – 2.5 mm² "insulated ferrule, 12 mm"





Available in black and white.



2-pole



3-pole

without / with Ground contact (PE contact)	Item No. black	Item No. white	Pack. Unit	Item No. black	Item No. white	Pack. Unit
For screw and nut 3 mm Ø or						
for self-tapping screw 2.9 mm Ø from top						
plain	● **862-0552**	○ **862-0652**	500			
L1-N	● **862-1552**	○ **862-1652**	500			
N-L1	● **862-2552**	○ **862-2652**	500			
For self-tapping screw 2.9 mm Ø from below						
plain	● **862-0562**	○ **862-0662**	500			
L1-N	● **862-1562**	○ **862-1662**	500			
N-L1	● **862-2562**	○ **862-2662**	500			
1 snap-in foot per pole						
plain	● **862-0532**	○ **862-0632**	500			
L1-N	● **862-1532**	○ **862-1632**	500			
N-L1	● **862-2532**	○ **862-2632**	500			
For screw and nut 3 mm Ø or						
for self-tapping screw 2.9 mm Ø from top						
plain				● **862-0503**	○ **862-0603**	250
⏚-N-L1				● **862-1503**	○ **862-1603**	250
N-⏚-L1				● **862-2503**	○ **862-2603**	250
N-⏚-L1				● **862-8503**	○ **862-8603**	250
⏚-N-L1				● **862-9503**	○ **862-9603**	250
1 snap-in foot per pole						
plain				● **862-0533**	○ **862-0633**	250
⏚-N-L1				● **862-1533**	○ **862-1633**	250
N-⏚-L1				● **862-2533**	○ **862-2633**	250
N-⏚-L1				● **862-8533**	○ **862-8633**	250
⏚-N-L1				● **862-9533**	○ **862-9633**	250
Snap-in foot at pos. 1+3						
plain				● **862-0593**	○ **862-0693**	250
⏚-N-L1				● **862-1593**	○ **862-1693**	250
N-⏚-L1				● **862-2593**	○ **862-2693**	250
N-⏚-L1				● **862-8593**	○ **862-8693**	250
⏚-N-L1				● **862-9593**	○ **862-9693**	250

862 Series Accessories

Comb-style jumper bar, simply push into conductor entry hole



I_N 32 A **862-482** 5

Test plug, with 500 mm cable, 2 mm Ø



red **210-136** 50

Test plug, with 500 mm cable, 2.3 mm Ø



yellow **210-137** 50

Operating tool with partially insulated shaft, type 2, (3.5 x 0.5) mm blade



210-720 1

Suitable for Ex e II applications

440 V, 28 A

Marking strip, plain, 7.5 mm wide, 50m roll



white **709-178** 1

❷ Approvals are available online at: www.wago.com.

4-Conductor, Chassis-Mount Terminal Strips
4- and 5-Pole, 4 mm²
862 Series

CAGE CLAMP®S

	0.5 - 4 mm² ❶ 500 V/6 kV/3 I_N 32 A	4 x AWG 20 - 12 300 V, 20 A 300 V, 20 A	0.5 - 4 mm² ❶ 500 V/6 kV/3 I_N 32 A	4 x AWG 20 - 12 300 V, 20 A 300 V, 20 A
	10 - 11 mm / 0.41 in		10 - 11 mm / 0.41 in	
	❷ Approvals		❷ Approvals	

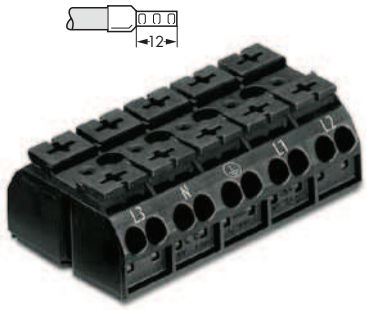
❶ Conductor sizes: 0.25 – 4 mm² "s + f-st";
Push-in conductor sizes: 0.75 – 4 mm² "s" and 0.75 – 2.5 mm² "insulated ferrule, 12 mm"



Available in black and white.



4-pole



5-pole

without / with Ground contact (PE contact)	Item No. black	Item No. white	Pack. Unit	Item No. black	Item No. white	Pack. Unit
For screw and nut 3 mm Ø or						
for self-tapping screw 2.9 mm Ø from top						
plain	● 862-0504	○ 862-0604	200			
⏚-N-L1-L2	● 862-1504	○ 862-1604	200			
N-⏚-L1-L2	● 862-2504	○ 862-2604	200			
N-⏚-L1-L2	● 862-8504	○ 862-8604	200			
⏚-N-L1-L2	● 862-9504	○ 862-9604	200			
1 snap-in foot per pole						
plain	● 862-0534	○ 862-0634	200			
⏚-N-L1-L2	● 862-1534	○ 862-1634	200			
N-⏚-L1-L2	● 862-2534	○ 862-2634	200			
N-⏚-L1-L2	● 862-8534	○ 862-8634	200			
⏚-N-L1-L2	● 862-9534	○ 862-9634	200			
Snap-in foot at pos. 1+4						
plain	● 862-0594	○ 862-0694	200			
⏚-N-L1-L2	● 862-1594	○ 862-1694	200			
N-⏚-L1-L2	● 862-2594	○ 862-2694	200			
N-⏚-L1-L2	● 862-8594	○ 862-8694	200			
⏚-N-L1-L2	● 862-9594	○ 862-9694	200			
For screw and nut 3 mm Ø or						
for self-tapping screw 2.9 mm Ø from top						
plain				● 862-0505	○ 862-0605	200
⏚-N-L1-L2-L3				● 862-1505	○ 862-1605	200
L3-N-⏚-L1-L2				● 862-2505	○ 862-2605	200
L3-N-⏚-L1-L2				● 862-8505	○ 862-8605	200
⏚-N-L1-L2-L3				● 862-9505	○ 862-9605	200
1 snap-in foot per pole						
plain				● 862-0525	○ 862-0625	200
⏚-N-L1-L2-L3				● 862-1525	○ 862-1625	200
L3-N-⏚-L1-L2				● 862-2525	○ 862-2625	200
L3-N-⏚-L1-L2				● 862-8525	○ 862-8625	200
⏚-N-L1-L2-L3				● 862-9525	○ 862-9625	200
Snap-in foot at pos. 1+3+5						
plain				● 862-0515	○ 862-0615	200
⏚-N-L1-L2-L3				● 862-1515	○ 862-1615	200
L3-N-⏚-L1-L2				● 862-2515	○ 862-2615	200
L3-N-⏚-L1-L2				● 862-8515	○ 862-8615	200
⏚-N-L1-L2-L3				● 862-9515	○ 862-9615	200

862 Series Accessories

Comb-style jumper bar, simply push into conductor entry hole

I_N 32 A **862-482** 5

Test plug, with 500 mm cable, 2 mm Ø

red **210-136** 50

Test plug, with 500 mm cable, 2.3 mm Ø

yellow **210-137** 50

Operating tool with partially insulated shaft, type 2, (3.5 x 0.5) mm blade

210-720 1

Suitable for Ex e II applications
440 V, 28 A

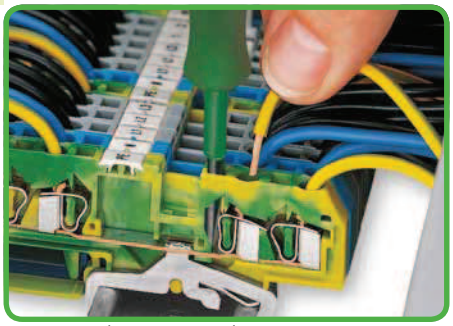
Marking strip, plain, 7.5 mm wide, 50m roll

white **709-178** 1

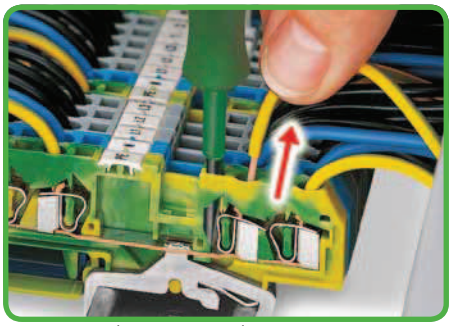
For technical explanations and abbreviations, see technical section.

Rail-Mounted Terminal Blocks
279 to 285 Series

Conductor termination/removal

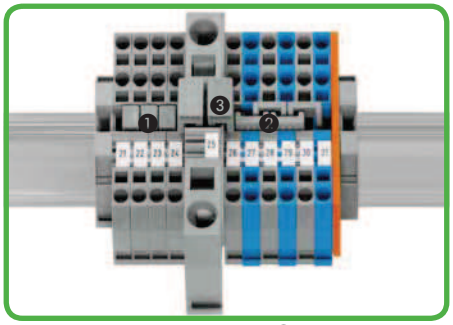


Inserting conductor via screwdriver.



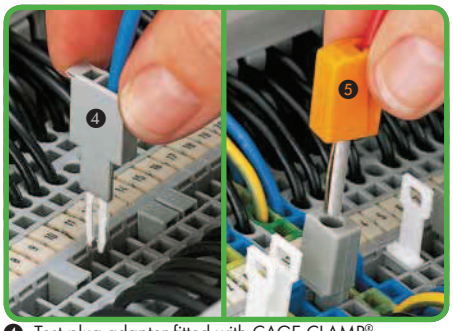
Removing conductor via screwdriver.

Adjacent/Staggered/Step-down jumpers

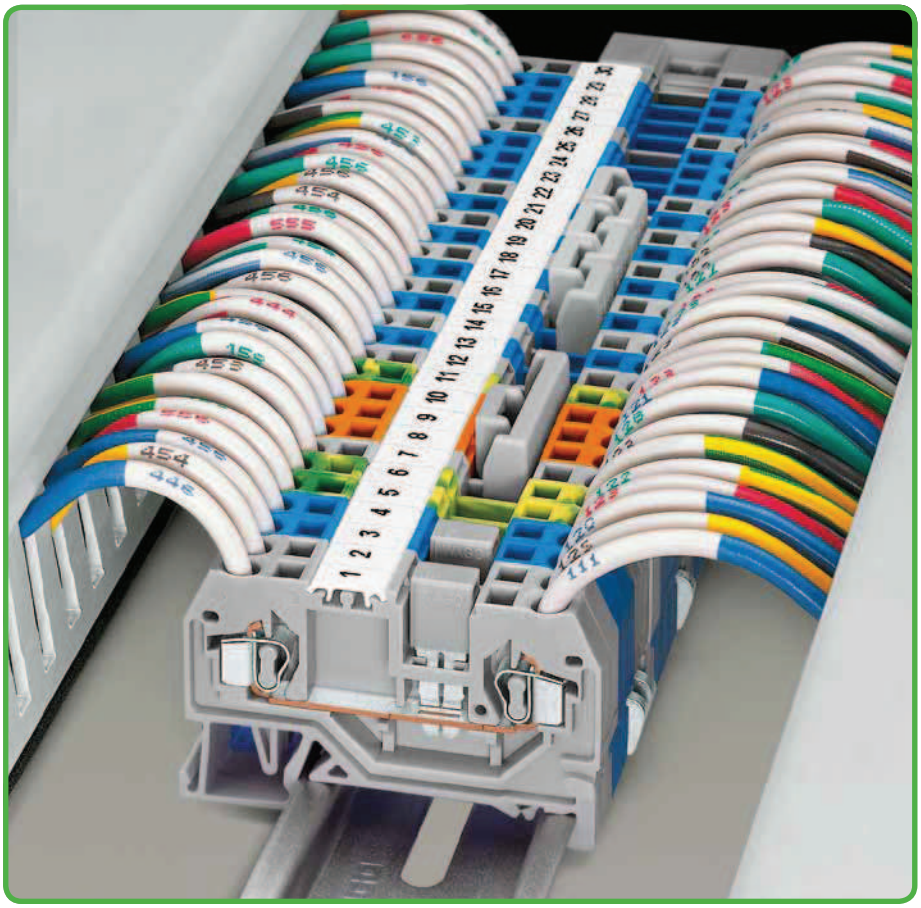


Commoning with adjacent jumpers ❶ or with staggered jumpers ❷.
Commoning terminal blocks of different sizes – with step down jumpers ❸.

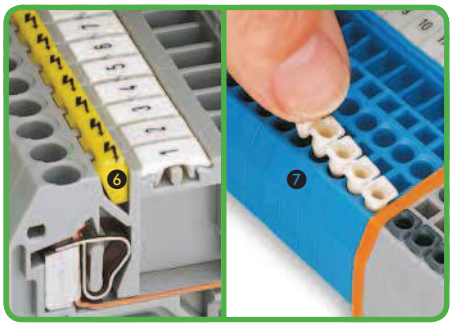
Testing



❹ Test plug adapter fitted with CAGE CLAMP®
❺ Banana plug (4 mm Ø) via 209-170 test plug adapter

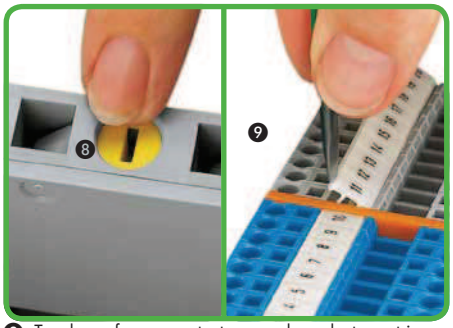


Warning cover/Insulation stop



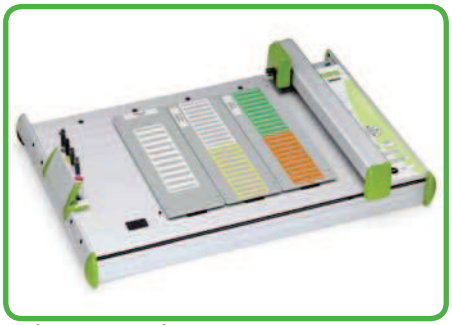
❻ Protective warning markers inserted into operating slots.
❼ Inserting insulation stop.

Finger guard



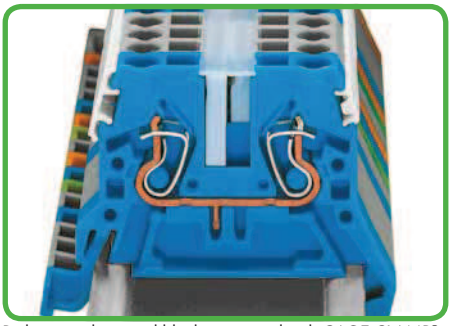
❽ Touchproof cover protects unused conductor entries.
❾ Marking via WMB Multi markers.

Marking



Marking via IP350 Plotter.

870 Series (see Full Line Catalog, Volume 1)



Rail-mounted terminal blocks equipped with CAGE CLAMP®.

CAGE CLAMP®S clamps the following copper conductors:



solid | stranded | fine-stranded | tip bonded | with ferrule | with pin terminal

Strip length, see packaging or instructions.

Through/Ground Conductor/Shield and Ex Terminal Blocks
1.5 mm²
279 Series

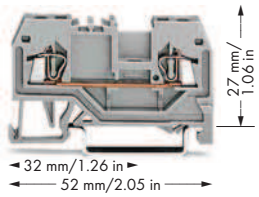
CAGE CLAMP®

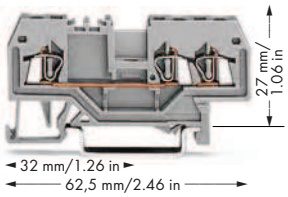
0.08 - 1.5 mm²	AWG 28 - 16
800 V/8 kV/3	600 V, 10 A
I_N 18 A	600 V, 10 A

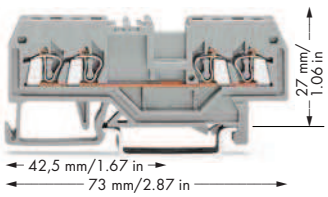
Terminal block width 4 mm / 0.157 in
8 - 9 mm / 0.33 in
❶ Approvals

0.08 - 1.5 mm² | AWG 28 - 16
800 V/8 kV/3 | 600 V, 10 A
I_N 18 A | 600 V, 10 A
Terminal block width 4 mm / 0.157 in
8 - 9 mm / 0.33 in
❶ Approvals

0.08 - 1.5 mm² | AWG 28 - 16
800 V/8 kV/3 | 600 V, 10 A
I_N 18 A | 600 V, 10 A
Terminal block width 4 mm / 0.157 in
8 - 9 mm / 0.33 in
❶ Approvals







Color	Item No.	Pack. Unit
2-conductor through terminal block		
gray	**279-901**	100
blue	**279-904**	100
orange	**279-902**	100
red	**279-903**	100
black	**279-905**	100
yellow	**279-906**	100
light gray Ex	**279-992**	100
2-conductor ground terminal block		
green-yellow	**279-907**	100
green-yellow Ex	**279-907/999-950**	100
Other terminal blocks with the same profile:		
Diode	**279-915/. . .-. . .**	Volume 1

Color	Item No.	Pack. Unit
3-conductor through terminal block		
gray	**279-681**	100
blue	**279-684**	100
orange	**279-682**	100
red	**279-683**	100
black	**279-685**	100
yellow	**279-686**	100
light gray Ex	**279-993**	100
3-conductor ground terminal block		
green-yellow	**279-687**	100
green-yellow Ex	**279-687/999-950**	100
Other terminal blocks with the same profile:		
Diode	**279-673/. . .-. . .**	Volume 1
LED	**279-674/. . .-. . .**	Volume 1

Color	Item No.	Pack. Unit
4-conductor through terminal block		
gray	**279-831**	100
blue	**279-834**	100
orange	**279-832**	100
red	**279-833**	100
black	**279-835**	100
yellow	**279-836**	100
light gray Ex	**279-994**	100
4-conductor ground terminal block		
green-yellow	**279-837**	100
green-yellow Ex	**279-837/999-950**	100
4-conductor shield terminal block		
white	**279-838**	100
Other terminal blocks with the same profile:		
Double-potential	**279-826**	Volume 1
Diode	**279-815/. . .-. . .**	Volume 1
LED	**279-809/. . .-. . .**	Volume 1

Item-Specific Accessories

(Separator for Ex e /Ex i applications, see page 30)

End and intermediate plate, 2 mm thick



orange	**279-328**	100 (4x25)
gray	**279-325**	100 (4x25)
light gray	**279-330**	100 (4x25)

End and intermediate plate, 2 mm thick



orange	**279-339**	100 (4x25)
gray	**279-308**	100 (4x25)
light gray	**279-341**	100 (4x25)

End and intermediate plate, 2 mm thick



orange	**279-346**	100 (4x25)
gray	**279-344**	100 (4x25)
light gray	**279-348**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**279-329**	100 (4x25)
gray	**279-326**	100 (4x25)
light gray	**279-331**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**279-340**	100 (4x25)
gray	**279-309**	100 (4x25)
light gray	**279-342**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**279-347**	100 (4x25)
gray	**279-345**	100 (4x25)
light gray	**279-349**	100 (4x25)

279 Series Accessories

Appropriate marking system: **WMB**

Adjacent jumper, insulated, I_N 15 A



gray	**279-402**	200 (8x25)
yellow-green	**279-422**	200 (8x25)

Alternate comb-style jumper bar, insulated,
I_N = I_N terminal block



2-way	**279-492**	200 (8x25)

Protective warning marker, with high-voltage symbol, for 5 terminal blocks



yellow	**279-415**	100 (4x25)

Alternate jumper, insulated, I_N 15 A



gray	**279-409**	100 (4x25)

Operating tool, insulated



2-way	**279-432**	1
3-way	**279-433**	1
10-way	**279-440**	1

Screwless end stop,



6 mm wide	**249-116**	100 (4x25)
10 mm wide	**249-117**	50 (2x25)

Push-in type wire jumper, insulated, I_N 9 A



60 mm	**249-125**	10
110 mm	**249-126**	10
250 mm	**249-127**	10

Insulation stop, 5 pcs/strip 200 strips



Test plug adapter, for terminal blocks 1.5–4 mm² (AWG 16–12), 5 mm wide



	280-404	100 (4x25)

for 210-137 test plug

Comb-style jumper bar, insulated, I_N = I_N terminal block



2-way	**279-482**	200 (8x25)
3-way	**279-483**	200 (8x25)
10-way	**279-490**	50 (2x25)

white	**279-470**	0.08-0.2 mm² (AWG 28-24)
dark gray	**279-471**	0.25 mm² (AWG 22)

Test plug adapter, for terminal blocks 1.5–10 mm² (AWG 16–8), 8 mm wide



	209-170	50 (2x25)

for test plug 4 mm Ø

Operating tool with partially insulated shaft,



type 1, (2.5 x 0.4) mm blade **210-719** 1

Suitable for Ex i applications
Ex Suitable for Ex e II applications
0.2 – 1.5 mm² AWG 24 – 16
550 V, 15 A

Banana plugs, only for safety extra-low voltage (42 V)



black	**215-311**	50
red	**215-212**	50
blue	**215-711**	50

❶ Approvals are available online at: www.wago.com.

For technical explanations and abbreviations, see technical section.

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