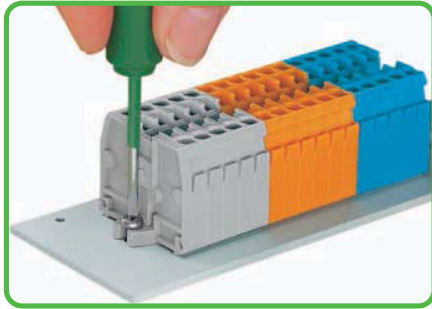
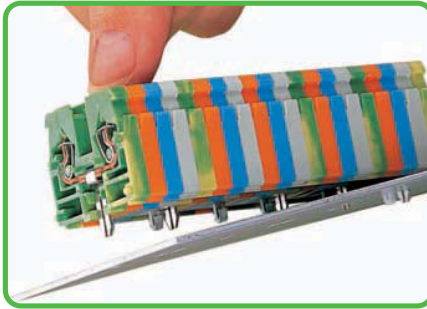


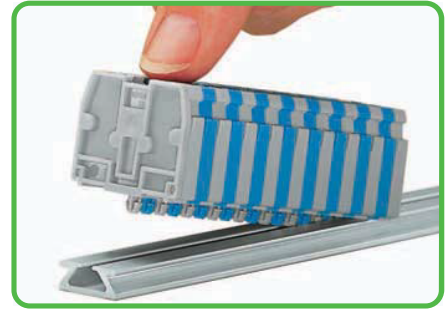
## Fixing



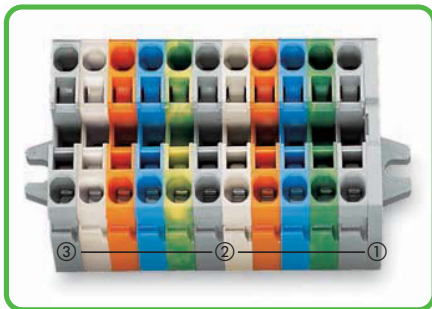
Terminal strip with fixing flanges, screw mount.



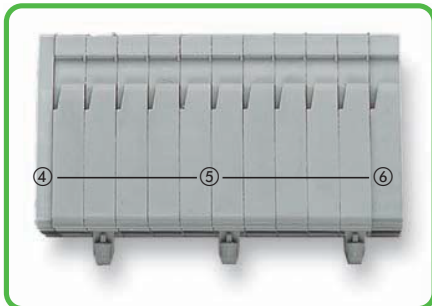
Terminal strip with snap-in mounting feet, mounting in holes.



Terminal strip with snap-in mounting feet, mounting onto special aluminum rail.



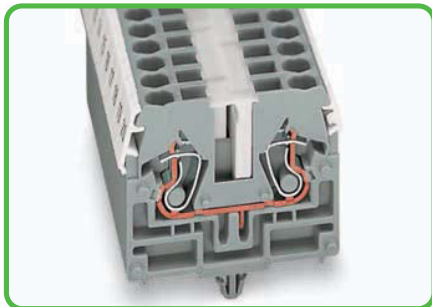
Terminal strip with fixing flanges, consisting of:  
End plate with fixing flange ①  
Center terminal blocks ②  
End terminal block with fixing flange ③



Terminal strip with mounting feet, consisting of:  
End plate ④ / Center terminal blocks with/without snap-in mounting feet ⑤ / End terminal block with/without snap-in mounting foot ⑥



## Marking



WAGO WMB Multi marking system or WAGO miniature WSB Quick marking system.

## 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.

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

solid                      stranded

fine-stranded, also with tinned single strands

fine-stranded, tip-bonded

fine-stranded, with ferrule ❶ (gastight crimped)

fine-stranded, with pin terminal (gastight crimped)

\* For aluminum conductors, see notes in Section 14.

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

# Compact Terminal Strips 2.5 mm<sup>2</sup> (4 mm<sup>2</sup> "f-st") with Fixing Flanges or Snap-in Mounting Feet 869 Series

CAGE CLAMP®

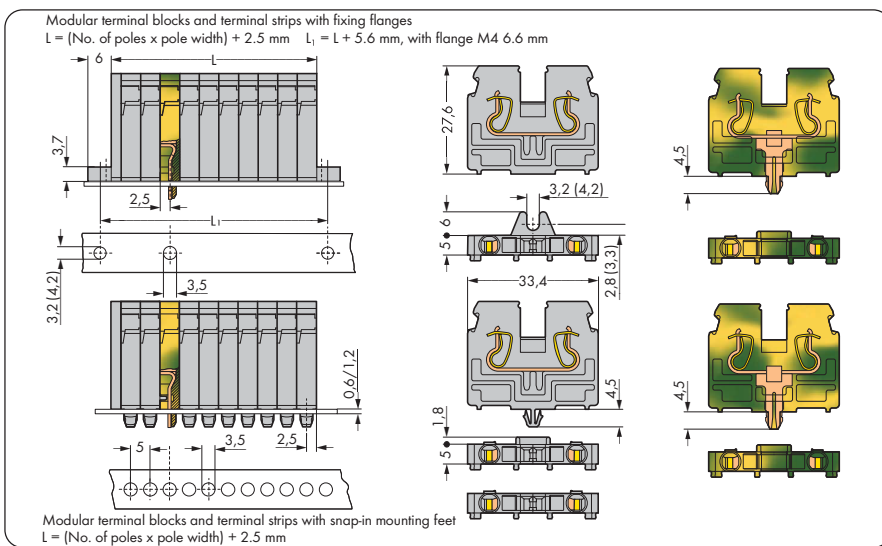
9

431

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



Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit
<b>Compact terminal strip with fixing flanges M 3, for screw or similar mounting types, fixing hole 3.2 mm Ø, gray</b>			<b>Compact terminal strip with fixing flanges M 4, for screw or similar mounting types, fixing hole 4.2 mm Ø, gray</b>			<b>Compact terminal strip with snap-in mounting feet, for plate thickness 0.6-1.2 mm, fixing hole 3.5+0.1 mm Ø, gray</b>		
2	869-102	100	2	869-202	100	2	869-152	100
3	869-103	100	3	869-203	100	3	869-153	100
4	869-104	100	4	869-204	100	4	869-154	100
5	869-105	100	5	869-205	100	5	869-155	100
6	869-106	50	6	869-206	50	6	869-156	50
7	869-107	50	7	869-207	50	7	869-157	50
8	869-108	50	8	869-208	50	8	869-158	50
9	869-109	50	9	869-209	50	9	869-159	50
10	869-110	50	10	869-210	25	10	869-160	25
11	869-111	25	11	869-211	25	11	869-161	25
12 ①	869-112	25	12 ①	869-212	25	12 ①	869-162	25
<b>light gray</b>			<b>light gray</b>			<b>light gray</b>		
2	869-132	100	2	869-232	100	2	869-182	100
3	869-133	100	3	869-233	100	3	869-183	100
4	869-134	100	4	869-234	100	4	869-184	100
5	869-135	100	5	869-235	100	5	869-185	100
6	869-136	50	6	869-236	50	6	869-186	50
7	869-137	50	7	869-237	50	7	869-187	50
8	869-138	50	8	869-238	50	8	869-188	50
9	869-139	50	9	869-239	50	9	869-189	50
10	869-140	25	10	869-240	25	10	869-190	25
11	869-141	25	11	869-241	25	11	869-191	25
12 ①	869-142	25	12 ①	869-242	25	12 ①	869-192	25




① For longer strips and /or assemblies of different colors, please contact factory


**Item no. suffixes for terminal strips:**

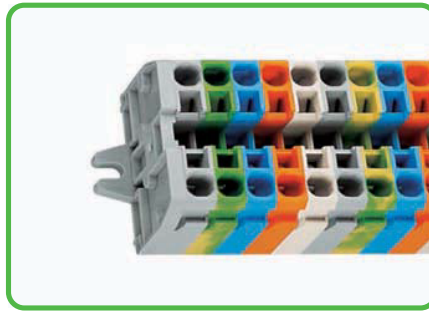
869-102 to 869-112  
 869-202 to 869-212  
 869-152 to 869-162

blue .../000-006 ②  
 green-yellow .../000-016

② Terminal blocks with blue insulation are suitable for Ex i applications

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






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



Terminal strips with M3 or M4 fixing flanges, for screw or similar mounting types  
 3.2 mm Ø M3 flange  
 4.2 mm Ø M4 flange

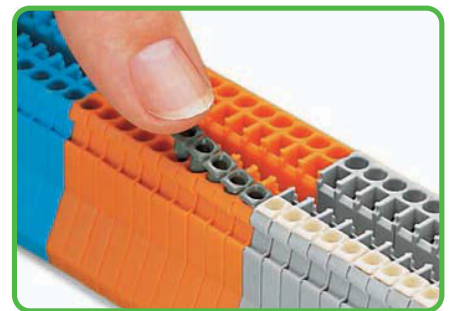


- ① Max. insulation diameter: 4.4 mm
- ② 500 V = rated voltage  
 6 kV = rated surge voltage  
 3 = pollution degree  
 (also see Section 1.4)
- ③ Strip length, see packaging or instructions.
- ④ Suitable for Ex i applications
- ⑤ See application notes for:  
 Insulation stop, page 199  
 Group marker carrier, page 281

Color	Item No.	Pack. Unit
<b>Center terminal block with snap-in mounting foot,</b> for plate thickness 0.6 - 1.2 mm, fixing hole Ø: 3.5 +0,1 mm		
 gray	869-311	100
 blue	869-314 ④	100
 orange	869-316	100
 green-yellow	869-317	100
 light gray	869-319	100





Terminal strips with snap-in mounting feet, for plate thickness 0.6 - 1.2 mm (0.02 - 0.047 in), fixing hole 3.5 +0.1 mm Ø





Insert insulation stop into conductor entry holes of terminal strip.


**Item-Specific Accessories**


<b>Aluminum carrier rail,</b>  1000 mm long, 18 mm wide, 7 mm high		
	210-154	1

<b>End stop, for WSB Quick markers,</b>  for 210-154 aluminum rail, 6 mm wide		
	209-122	25

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

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

<b>Group marker carrier,</b>  ⑤ fits into terminal block jumper slots gray		
	870-184	50 (2x25)

<b>Test plug,</b>  with 500 mm cable, 2 mm Ø red		
	210-136	50



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




Wiring programmable logic controllers and microprocessor-operated control circuits often relies on very small cross sections of fine-stranded conductors. These small conductors are highly flexible, and they deform when pushed against the conductor stop in terminal blocks. As a result, the conductor insulation – not the copper conductor – may be clamped, causing intermittent contact or no contact at all. Common to all terminal block types currently offered, this problem creates unnecessary downtime for troubleshooting.

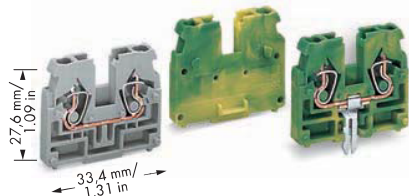
The solution: an insulation stop for compact terminal blocks. Insulation stops automatically bundle the cores of fine-stranded conductors when inserted into the clamping unit, preventing splaying. This also limits the conductor entry to a defined cross sectional area – ensuring the actual conductor, not the insulation, will enter the clamping unit.

























The insulation stop is available as dividable 5-pole strip for the 869 Series terminal strips.

Insulation stop usage will not affect the conductor strip lengths for the aforementioned terminal strips.

# Modular Terminal Blocks 2.5 mm<sup>2</sup> (4 mm<sup>2</sup> "f-st") with Fixing Flanges or Snap-in Mounting Feet 869 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 Terminal block width 5 mm / 0.197 in 6 - 7 mm / 0.26 in ③	AWG 28 - 12 300 V, 20 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 Terminal block width 5 mm / 0.197 in 6 - 7 mm / 0.26 in ③	AWG 28 - 12 300 V, 20 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 Terminal block width 5 mm / 0.197 in 6 - 7 mm / 0.26 in ③	AWG 28 - 12 300 V, 20 A 
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Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
<b>Center terminal block without snap-in mounting foot, required for terminal strips with fixing flanges between end plate and end terminal block</b>			<b>End terminal block with fixing flange M 3, for screw or similar mounting types, fixing hole 3.2 mm Ø</b>			<b>End terminal block with snap-in mounting foot, for plate thickness 0.6 - 1.2 mm, fixing hole Ø: 3.5 + 0.1 mm</b>		
	869-321	100		869-301	100		869-331	100
	869-324 ④	100		869-304 ④	100		869-334 ④	100
	869-326	100		869-307	100		869-337	100
	869-327	100		869-309	100		869-339	100
	869-329	100						
<b>Center terminal block with direct ground contact, diameter of hole 3.5 + 0.1 mm, Notice: Terminal block cannot be commoned.</b>			<b>End terminal block with fixing flange M 4, for screw or similar mounting types, fixing hole 4.2 mm Ø</b>			<b>End terminal block without snap-in mounting foot, for plate thickness 0.6-1.2 mm</b>		
	869-328	100		869-351	100		869-341	100
				869-354 ④	100		869-344 ④	100
				869-357	100		869-347	100
				869-359	100		869-349	100
<b>Item-Specific Accessories</b>								
<b>Aluminum carrier rail,</b> 1000 mm long, 18 mm wide, 7 mm high  <b>210-154</b> 1								
<b>End stop, for WSB Quick markers,</b> for 210-154 aluminum rail, 6 mm wide  <b>209-122</b> 25								

## 869 Series Accessories

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

End plate with fixing flange M 3, 2.5 mm thick	End plate with fixing flange M 4, 2.5 mm thick	End plate, for terminal blocks with snap-in mounting foot, 2.5 mm thick
 gray <b>869-385</b> 100 (4x25)	 gray <b>869-395</b> 100 (4x25)	 gray <b>869-375</b> 100 (4x25)
blue <b>869-388</b> 100 (4x25)	blue <b>869-398</b> 100 (4x25)	blue <b>869-378</b> 100 (4x25)
green-yellow <b>869-389</b> 100 (4x25)	green-yellow <b>869-399</b> 100 (4x25)	green-yellow <b>869-379</b> 100 (4x25)
light gray <b>869-387</b> 100 (4x25)	light gray <b>869-397</b> 100 (4x25)	light gray <b>869-377</b> 100 (4x25)
<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 <b>280-470</b> 200 (8x25)	<b>Push-in type jumper bar, insulated,</b> I <sub>N</sub> 18 A, light gray 2-way <b>870-402</b> 200 (8x25) 3-way <b>870-403</b> 200 (8x25) 4-way <b>870-404</b> 200 (8x25) 5-way <b>870-405</b> 100 (4x25) 6-way <b>870-406</b> 100 (4x25) 7-way <b>870-407</b> 100 (4x25) 8-way <b>870-408</b> 100 (4x25) 9-way <b>870-409</b> 100 (4x25) 10-way <b>870-410</b> 100 (4x25)	<b>Push-in type jumper bar, insulated,</b> I <sub>N</sub> 18 A, light gray from 1 to 3 <b>870-433</b> 200 (8x25) from 1 to 4 <b>870-434</b> 200 (8x25) from 1 to 5 <b>870-435</b> 100 (4x25) from 1 to 6 <b>870-436</b> 100 (4x25) from 1 to 7 <b>870-437</b> 100 (4x25) from 1 to 8 <b>870-438</b> 100 (4x25) from 1 to 9 <b>870-439</b> 100 (4x25) from 1 to 10 <b>870-440</b> 100 (4x25)
<b>Insulation stop,</b> ⑤ 5 pcs/strip, 0.25 - 0.5 mm <sup>2</sup> light gray <b>280-471</b> 200 (8x25)		
<b>Insulation stop,</b> ⑤ 5 pcs/strip, 0.75 - 1 mm <sup>2</sup> dark gray <b>280-472</b> 200 (8x25)		

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