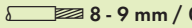


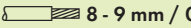


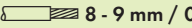


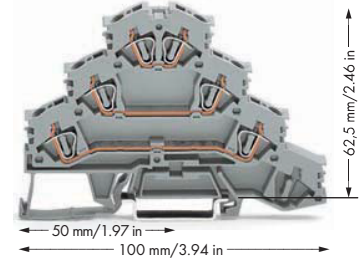
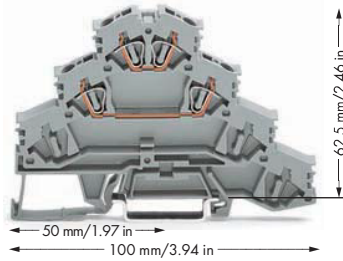
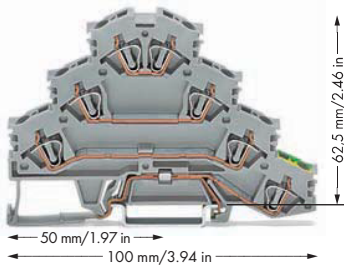


# Quadruple-Deck, Rail-Mounted Terminal Blocks or Rail-Mounted Terminal Blocks for Wiring of Electric Motors 4 mm<sup>2</sup> 281 Series














0.08 - 4 mm <sup>2</sup> 400 V/6 kV/3 ① I <sub>N</sub> 20 A (2.5 mm <sup>2</sup> ) I <sub>N</sub> 25 A (4 mm <sup>2</sup> ) Terminal block width 6 mm / 0.236 in  8 - 9 mm / 0.33 in ②	AWG 28 - 12 600 V, 20 A  300 V, 25 A 	0.08 - 4 mm <sup>2</sup> 400 V/6 kV/3 ① I <sub>N</sub> 20 A (2.5 mm <sup>2</sup> ) I <sub>N</sub> 25 A (4 mm <sup>2</sup> ) Terminal block width 6 mm / 0.236 in  8 - 9 mm / 0.33 in ②	AWG 28 - 12 600 V, 20 A  300 V, 25 A 	0.08 - 4 mm <sup>2</sup> 400 V/6 kV/3 ① I <sub>N</sub> 20 A (2.5 mm <sup>2</sup> ) I <sub>N</sub> 25 A (4 mm <sup>2</sup> ) Terminal block width 6 mm / 0.236 in  8 - 9 mm / 0.33 in ②	AWG 28 - 12 600 V, 20 A  300 V, 25 A 
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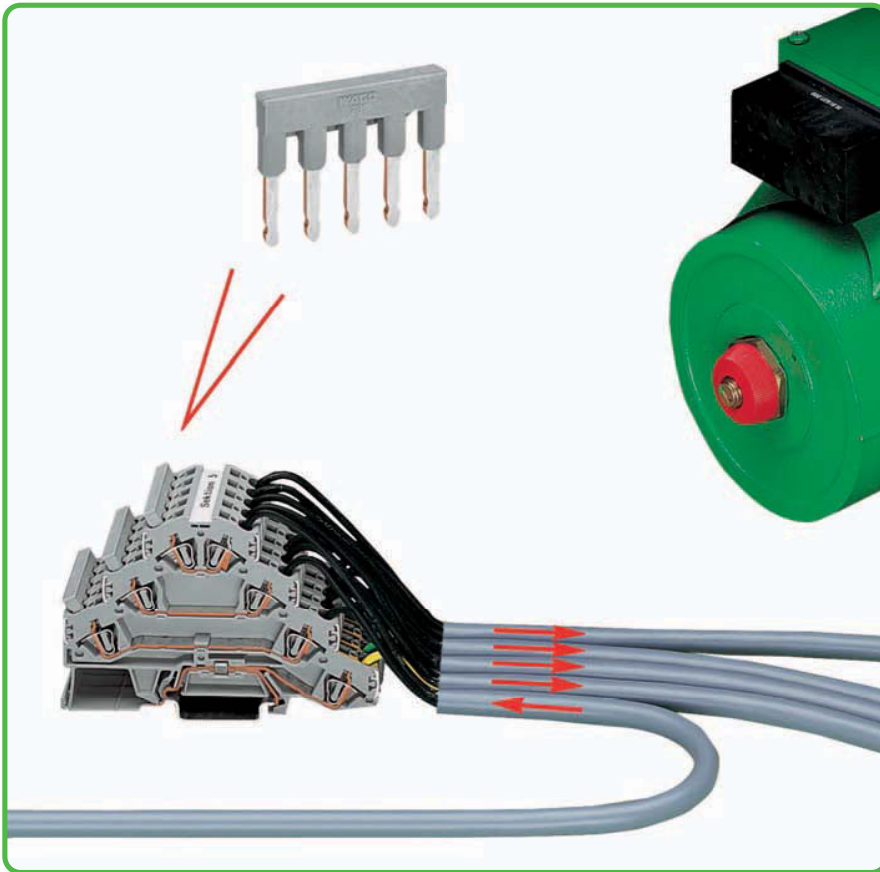


Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Quadruple-deck, rail-mounted terminal block or Rail-mounted terminal block for wiring of electric motors, gray		Quadruple-deck, rail-mounted terminal block or Rail-mounted terminal block for wiring of electric motors, gray		Quadruple-deck, rail-mounted terminal block or Rail-mounted terminal block for wiring of electric motors, gray	
⊙ L1 - L2 - L3 - PE	281-530 50	⊙ L1 - L2	281-531 50	⊙ L1 - L2 - L3	281-532 50

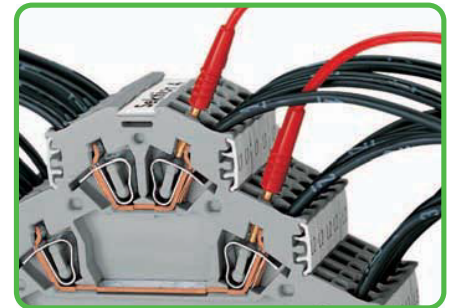
## 281 Series Accessories

Appropriate marking systems: WMB/Marking strips (see Section 13)

<b>End and intermediate plate, 1 mm thick</b>  orange 281-366 100 (4x25) gray 281-365 100 (4x25)	<b>WMB Multi marking system,</b>  10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain 793-5501 5
<b>Insulation stop,</b>  5 pcs/strip, 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "fst") white 281-470 200 (8x25)	<b>WMB Multi marking system, plain,</b>  10 strips with 10 markers per card, stretchable 5 - 5.2 mm yellow 793-5501/000-002 red 793-5501/000-005 blue 793-5501/000-006 gray 793-5501/000-007 orange 793-5501/000-012 light green 793-5501/000-017 green 793-5501/000-023 violet 793-5501/000-024 5
<b>Insulation stop,</b>  5 pcs/strip, 0.25 - 0.5 mm <sup>2</sup> light gray 281-471 200 (8x25)	
<b>Insulation stop,</b>  5 pcs/strip, 0.25 - 1.5 mm <sup>2</sup> dark gray 281-472 200 (8x25)	
<b>Comb-style jumper bar, insulated,</b>  I <sub>N</sub> = I <sub>N</sub> terminal block 2-way 281-482 100 (4x25) 3-way 281-483 100 (4x25) 5-way 281-485 100 (4x25) 10-way 281-490 50 (2x25)	<b>Marking strip, plain,</b>  7.5 mm wide, 50 m roll translucent 709-177 1
<b>Alternate comb-style jumper bar,</b> insulated, I <sub>N</sub> = I <sub>N</sub> terminal block 2-way 281-492 100 (4x25)	<b>Screwless end stop,</b>  for DIN 35 rail, 6 mm wide gray 249-116 100 (4x25)
<b>Operating tool, of insulating material</b>  2-way 280-432 1 3-way 280-433 1 5-way 281-440 1	<b>Screwless end stop,</b>  for DIN 35 rail, 10 mm wide gray 249-117 50 (2x25)
<b>Test plug,</b>  with 500 mm cable, 2 mm Ø red 210-136 50	
<b>Test plug,</b>  with 500 mm cable, 2.3 mm Ø yellow 210-137 50	



- ❶ 400 V = rated voltage  
6 kV = rated surge voltage  
3 = pollution degree  
(also see Section 14)
- ❷ Strip length, see packaging or instructions.
- ❸ See application notes for:  
Insulation stop, page 199  
Comb-style jumper bar, page 200  
Operating tool, page 200



Testing with test plug 2 mm Ø.

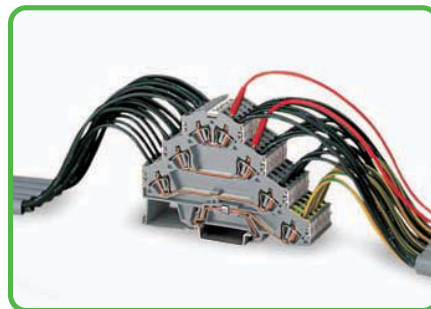
In addition to rail-mounted terminal blocks for electric motor wiring, special versions are also available.

- Terminal block **without** ground contact and only 2 potentials.

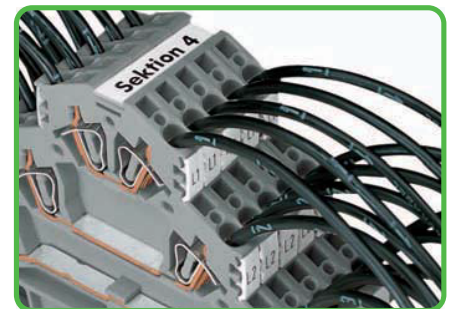
Especially designed for additional functions such as engine brakes or temperature probes. Having the same shape, this type can be put next to the appropriate terminal block for electric motor wiring without using separator plates. That makes the rail assembly clearer and wiring is easier. This also prevents wiring errors as no conductor entry is unused.

- Terminal block **without** ground contact and with 3 potentials.

Clearly designated clamping units is the primary advantage to this terminal block design. When using devices with protective insulation for example, there are no open ground clamping units that could create confusion.



Compact design: 3 phases and ground conductor in one terminal block.



Marking clamping units with WMB Multi marking system (see Section 13). Group marking with 709-177 marker strips.