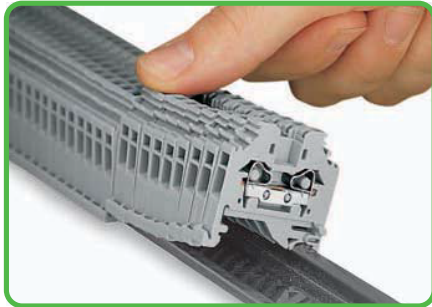
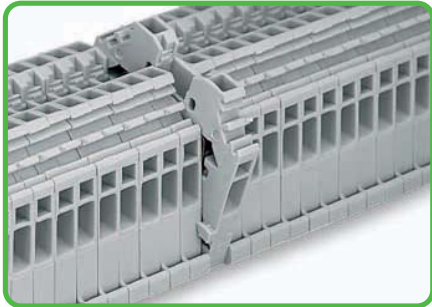


Rail-Mounted Terminal Blocks, Side-Entry 279 to 284 Series

Assembly



Snapping side-entry rail-mounted terminal blocks onto the carrier rail.



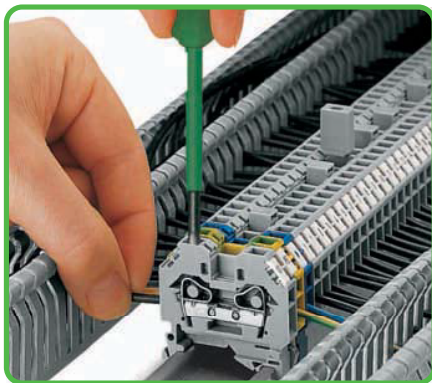
Quick assembly keys prevent reverse mounting.

Removal



Removal from the carrier rail.

CAGE CLAMP® connection

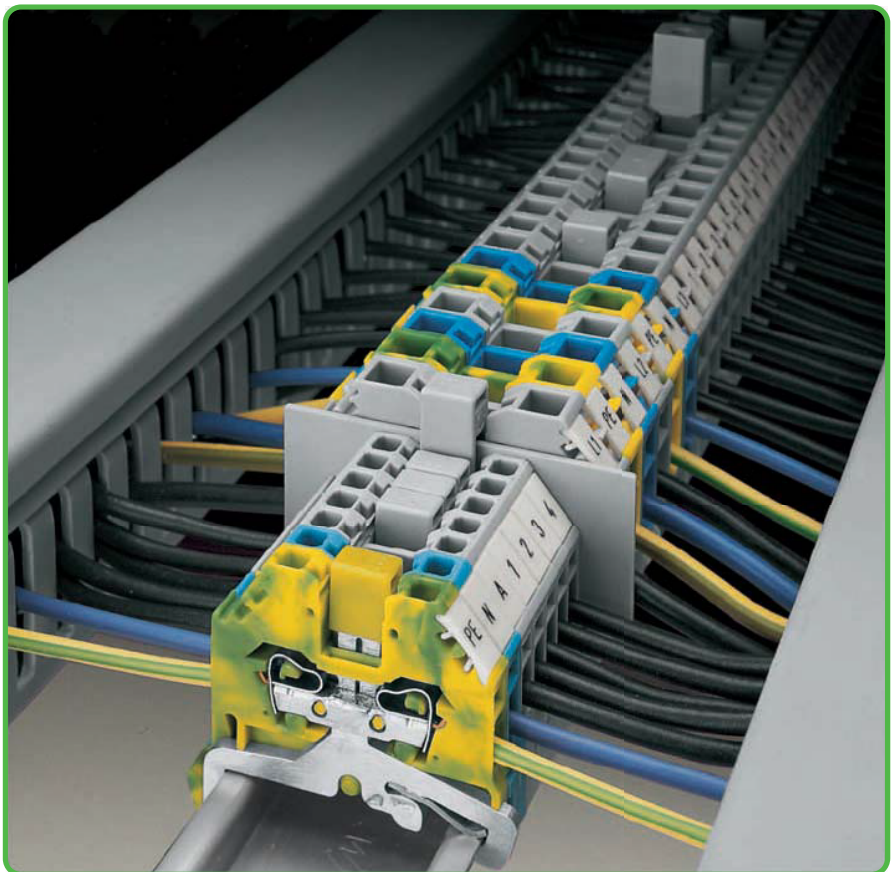


Conductor termination

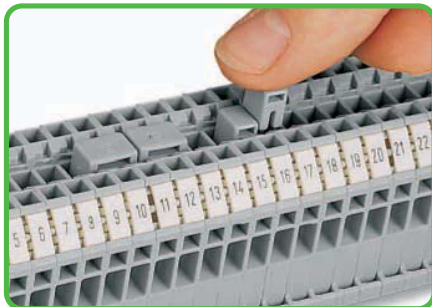
Testing



Testing with test plug adapter.

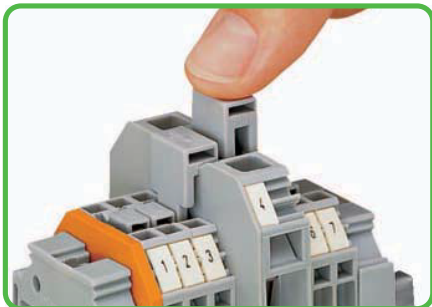


Commoning

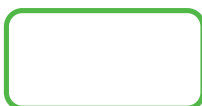


Commoning with adjacent jumpers.

Commoning with step-down jumpers

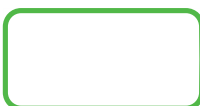


Commoning side-entry rail-mounted terminal blocks with step-down jumpers.

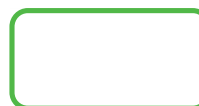


CAGE CLAMP®
clamps the following
copper conductors:*

solid



stranded



fine-stranded,
also with tinned
single strands

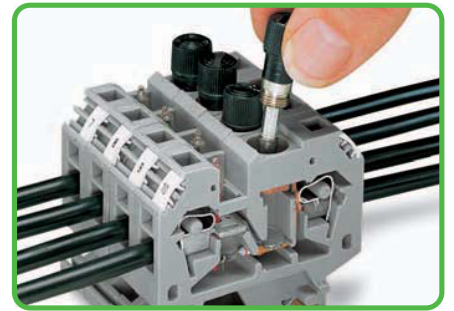
* For aluminum conductors, see notes in Section 14.

- Description and Handling -



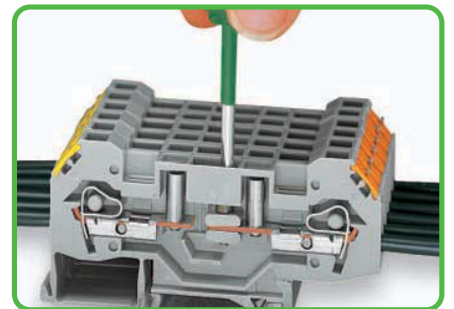
Suitable for all DIN 35 rails.

Fuse terminal blocks

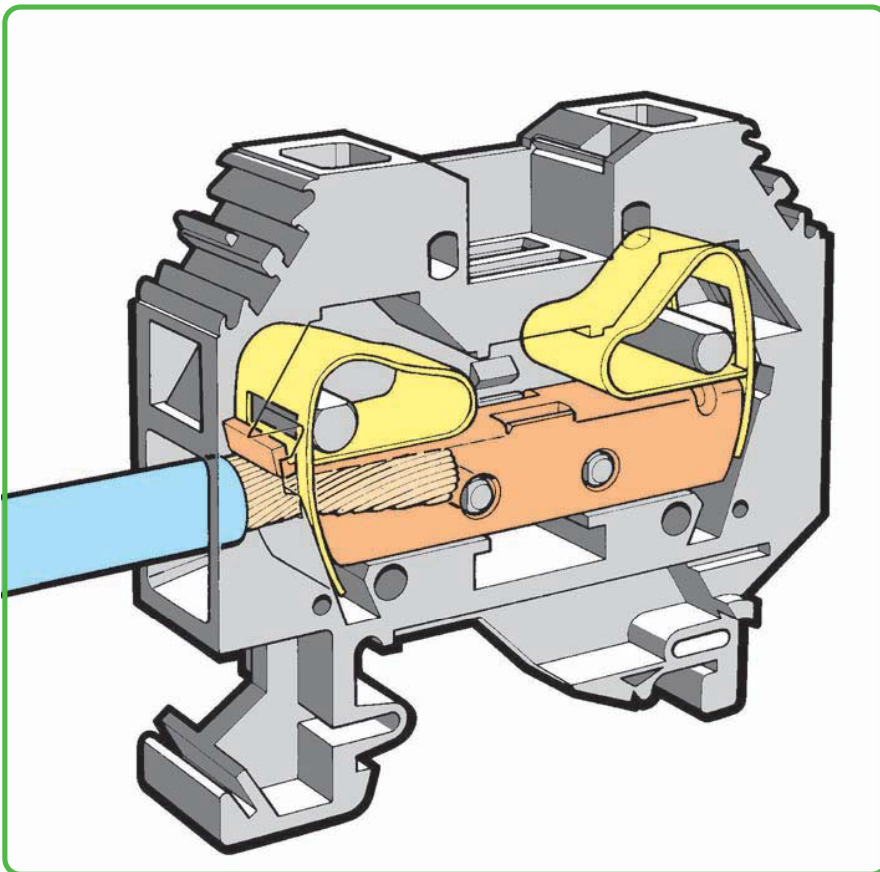


Replacing a fuse.

Disconnect terminal blocks for test and measurement



Shifting the disconnect slide link.



Marking



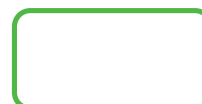
Marking with WMB Multi marking system.



fine-stranded,
tip-bonded



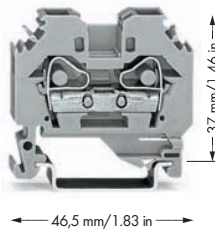
fine-stranded,
with ferrule ❶
(gaslight crimped)



fine-stranded,
with pin terminal
(gaslight crimped)

❶ When using ferruled conductors, it is necessary to use a terminal block one size larger than the nominal cross section of the wire.

0.2 - 6 mm ²	AWG 24 - 10
800 V/8 kV/3 ①	600 V, 30 A TH
I _N 41 A	600 V, 10 A [@]
Terminal block width 8 mm / 0.315 in	
12 - 13 mm / 0.49 in ②	



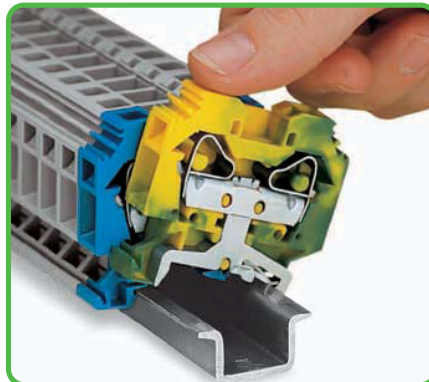
Carrier rail	Item No.	Curre [A]	Acc. to mm ² /AWG Cu
DIN 35 x 7.5 (steel)			
slotted	210-112	76	16/6
unslotted	210-113	76	16/6
DIN 35 x 15 (steel)			
1.5 mm thick	210-114	125	35/2
2.3 mm thick	210-118	125	35/2
DIN 35 x 7.5 (Al)			
unslotted	210-196	76	16/6
DIN 35 x 15 (Cu)			
2.3 mm thick	210-198	309	150/6/0

Current applies to rails of 1 m/3'3" length

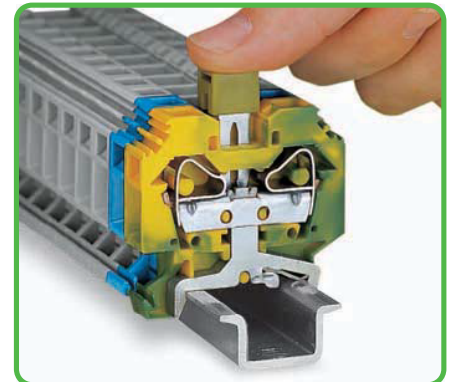
If required to use standard carrier rails as ground conductor busbars, please refer to insert space between the **maximum current capacities** listed above. According to EN 60947-7-2 (VDE 0611, part 3), steel carrier rails shall not be used for PEN applications.

- * AWG 12: THHN, THWN
- 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 1.4)
 - Strip length, see packaging or instructions.
 - Suitable for Ex i applications
 - See application notes for:
Step-down jumper, page 309
Test plug module, page 197

	Item No.	Pack. Unit
2-conductor through terminal block		
○ gray	282-101	50
● blue	282-104 ③	50
2-conductor ground terminal block		
● green-yellow	282-107	50
Item-Specific Accessories		
End and intermediate plate, 4 mm thick		
	orange 282-302	100 (4x25)
	gray 282-301	100 (4x25)
Separator, oversized, 2 mm thick		
	orange 282-322	100 (4x25)
	gray 282-332	100 (4x25)
Adjacent jumper, insulated,		
	I _N 41 A	
	gray 282-402	100 (4x25)
	yellow-green 282-422	100 (4x25)
Alternate jumper, insulated,		
	I _N 41 A	
	gray 282-409	100 (4x25)
Step-down jumper, insulated,		
④	I _N 30 A	
	gray 284-413	50 (2x25)
Cover plate,		
	1 mm thick	
	gray 284-333	100 (4x25)
	orange 284-343	100 (4x25)
Protective warning marker,		
	with high-voltage symbol, black, for 5 terminal blocks	
	yellow 282-405	100 (4x25)
Test plug adapter, 8.3 mm wide,		
	for terminal blocks 1.5 - 10 mm ² , for test plug 4 mm Ø	
	gray 209-170	50 (2x25)
B-type test plug module,		
④	can be snapped together, 8 mm wide	
	gray 709-310	100 (4x25)
B-type spacer module,		
	can be snapped together, 8 mm wide	
	gray 709-311	100 (4x25)



Snapping a terminal block onto the carrier rail.
Ground conductor terminal blocks snap onto the rail in the same way as through terminal blocks, but automatically make a direct electrical connection to the rail. Sliding on the rail is not then possible.



Push jumper down firmly until fully inserted.
Commoning ground conductor terminal blocks with through terminal blocks is possible in one direction only (via rear side of terminal block) using adjacent jumpers. In addition to the required marking of these blocks, use yellow-green adjacent jumpers.



Removal from the carrier rail.
When mounting on the rail, ensure that open sides of terminal blocks face in the same direction. Both mounting feet and removal slots are on the same side for all terminal blocks, making it possible to visually ensure blocks are facing in same direction.