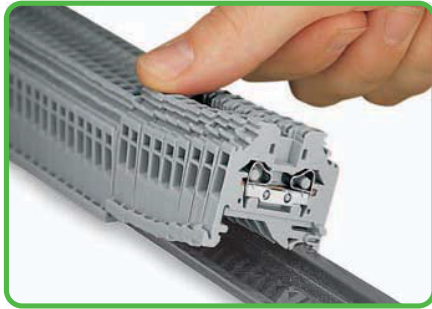


# Rail-Mounted Terminal Blocks, Side-Entry 279 to 284 Series

## Assembly



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



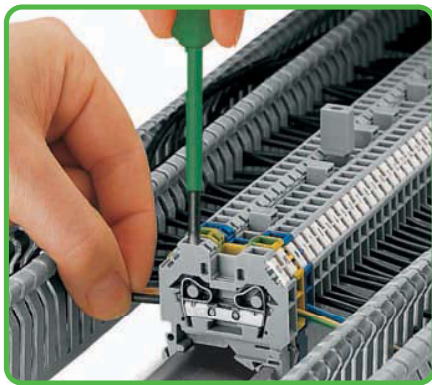
Quick assembly keys prevent reverse mounting.

## Removal



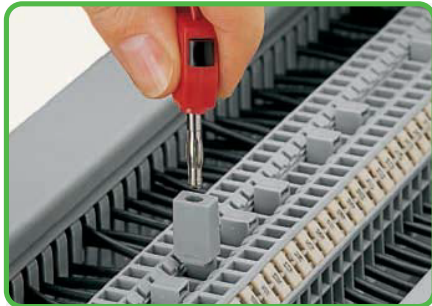
Removal from the carrier rail.

## CAGE CLAMP® connection

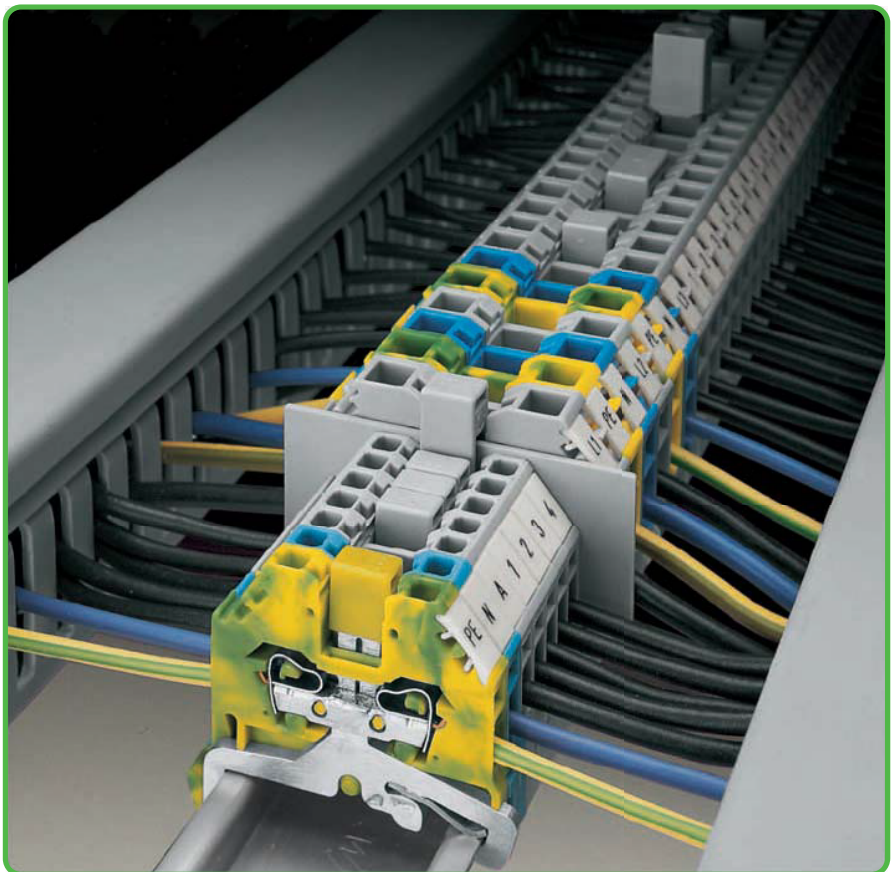


Conductor termination

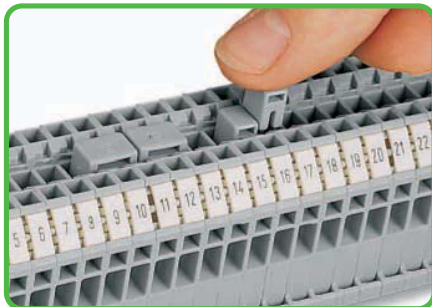
## Testing



Testing with test plug adapter.

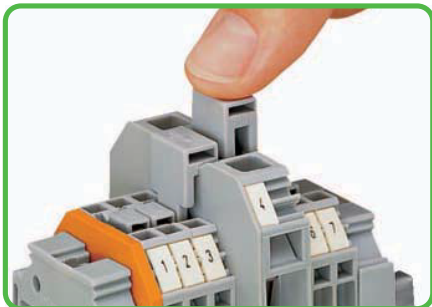


## Commoning

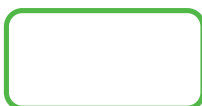


Commoning with adjacent jumpers.

## Commoning with step-down jumpers

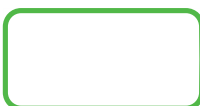


Commoning side-entry rail-mounted terminal blocks with step-down jumpers.

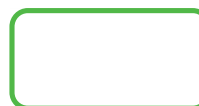


**CAGE CLAMP®**  
clamps the following  
copper conductors:\*

solid



stranded



fine-stranded,  
also with tinned  
single strands

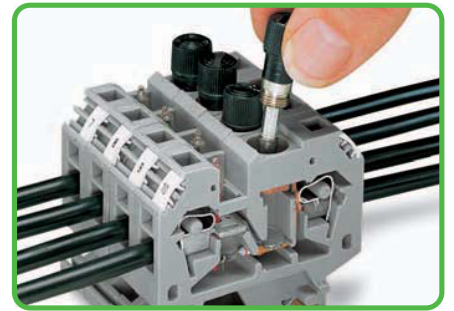
\* For aluminum conductors, see notes in Section 14.

- Description and Handling -



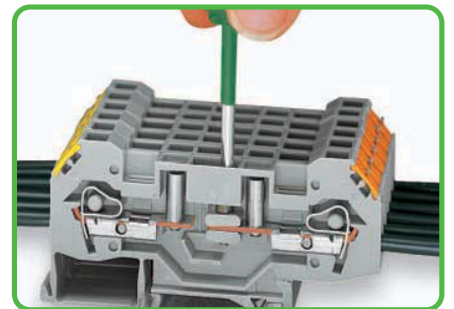
Suitable for all DIN 35 rails.

Fuse terminal blocks

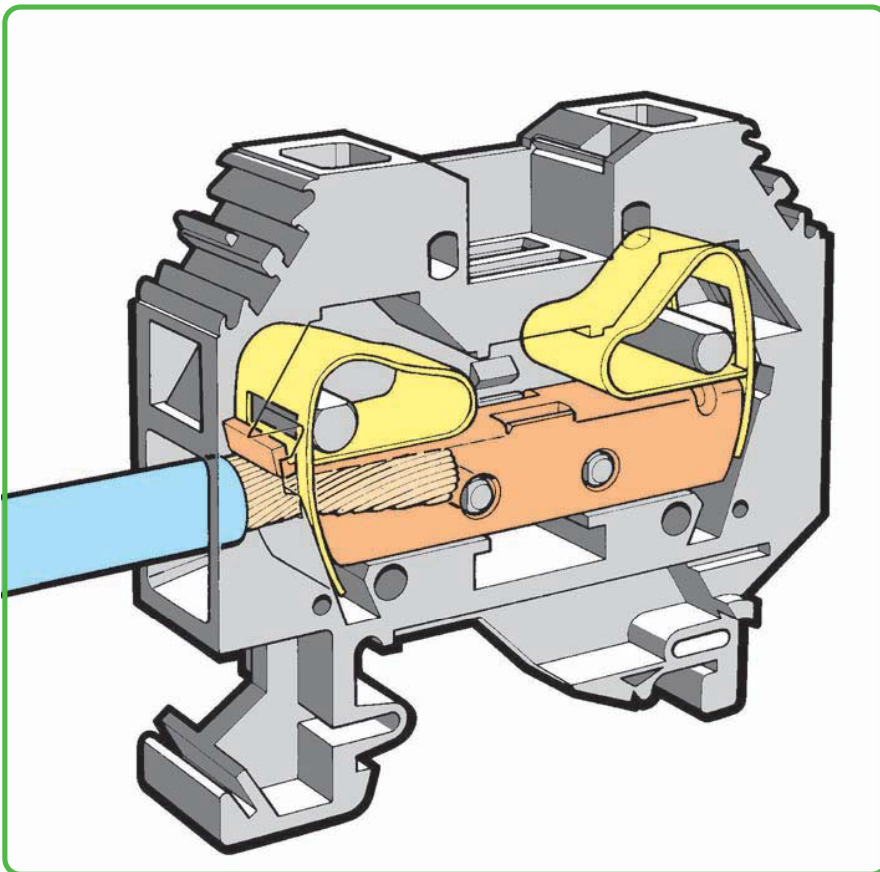


Replacing a fuse.

Disconnect terminal blocks for test and measurement



Shifting the disconnect slide link.



Marking



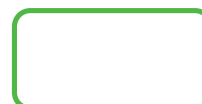
Marking with WMB Multi marking system.



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.

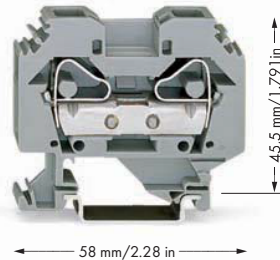
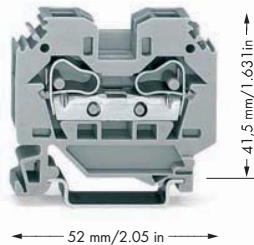
# Through and Ground Conductor Terminal Blocks

## 10 mm<sup>2</sup> and 16 mm<sup>2</sup>

### 284 and 283 Series

CAGE CLAMP®

0.2 - 10 mm <sup>2</sup> 800 V/8 kV/3 ① I <sub>N</sub> 57 A	AWG 24 - 8 600 V, 50 A ② 600 V, 65 A ③	0.2 - 16 mm <sup>2</sup> 800 V/8 kV/3 ① I <sub>N</sub> 76 A	AWG 24 - 6 600 V, 65 A ② 600 V, 90 A ③
Terminal block width 10 mm / 0.394 in 12 - 13 mm / 0.49 in ②		Terminal block width 12 mm / 0.472 in 16 - 17 mm / 0.65 in ②	



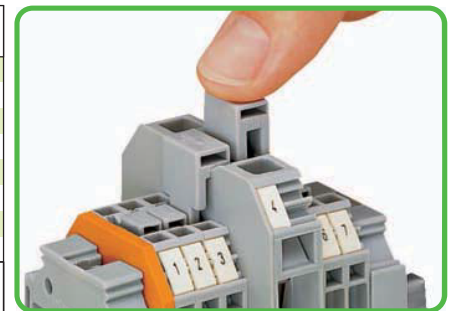
- ① 800 V = rated voltage  
8 kV = rated surge voltage  
3 = pollution degree

(also see Section 14)

- ② Strip length, see packaging or instructions.

- ③ See application notes for:  
Step-down jumper, page 309  
Test plug module, page 197

Item No.	Pack. Unit	Item No.	Pack. Unit
<b>2-conductor through terminal block</b>		<b>2-conductor through terminal block</b>	
gray	284-101 50	gray	283-101 50
blue	284-104 50	blue	283-104 50
<b>2-conductor ground terminal block</b>		<b>2-conductor ground terminal block</b>	
green-yellow	284-107 50	green-yellow	283-107 50
<b>Item-Specific Accessories</b>		<b>Item-Specific Accessories</b>	
<b>End and intermediate plate, 2.5 mm thick</b>		<b>End and intermediate plate, 4 mm thick</b>	
orange	284-302 100 (4x25)	orange	283-302 50 (2x25)
gray	284-301 100 (4x25)	gray	283-301 50 (2x25)
<b>Separator, oversized, 2 mm thick</b>		<b>Separator, oversized, 2 mm thick</b>	
orange	284-322 100 (4x25)	orange	283-322 50 (2x25)
gray	284-332 100 (4x25)	gray	283-332 50 (2x25)
<b>Adjacent jumper, insulated, I<sub>N</sub> 57 A</b>		<b>Adjacent jumper, insulated, I<sub>N</sub> 70 A</b>	
gray	284-402 100 (4x25)	gray	283-402 50 (2x25)
yellow-green	284-422 100 (4x25)	yellow-green	283-422 50 (2x25)
<b>Alternate jumper, insulated, I<sub>N</sub> 57 A</b>		<b>Alternate jumper, insulated, I<sub>N</sub> 76 A</b>	
gray	284-409 50 (2x25)	gray	283-409 50 (2x25)
<b>Step-down jumper, insulated, I<sub>N</sub> 30 A</b>		<b>Step-down jumper, insulated, I<sub>N</sub> 32 A</b>	
gray	284-413 50 (2x25)	gray	283-414 50 (2x25)
<b>Cover plate, 1 mm thick</b>		<b>Cover plate, 1 mm thick</b>	
gray	284-333 100 (4x25)	gray	283-333 100 (4x25)
orange	284-343 100 (4x25)	orange	283-335 100 (4x25)
<b>Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks</b>		<b>Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks</b>	
yellow	284-405 50 (2x25)	yellow	283-405 50 (2x25)
<b>Test plug adapter, 8.3 mm wide, for terminal blocks 1.5 - 10 mm<sup>2</sup>, for test plug 4 mm Ø</b>		<b>Test plug adapter, 11.6 mm wide, for 1.5 - 16 mm<sup>2</sup> terminal blocks, for test plug 4 mm Ø</b>	
gray	209-170 50 (2x25)	gray	283-404 25
<b>B-type test plug module, can be snapped together, 8 mm wide</b>			
gray	709-310 100 (4x25)		
<b>B-type spacer plate, can be snapped together, 2 mm wide</b>			
gray	709-312 100 (4x25)		



Step-down jumpers may common terminal blocks of different sizes, without losing a conductor clamping point. This can be beneficial on long conductor runs where voltage drop can be a problem. A large conductor can be easily connected to smaller conductors at the distribution point. Step-down jumpers are simply pushed down for full insertion, similar to adjacent jumpers. Commoning may be made in either direction using the special thin end plate to cover the open side. Further terminal blocks of the smaller cross section may be commoned using standard adjacent jumpers.

In this case, pay attention that:

1. The total current flowing does not exceed the rating of the step-down jumper.
2. The standard or special thin cover plate is installed on the open side of the larger block.