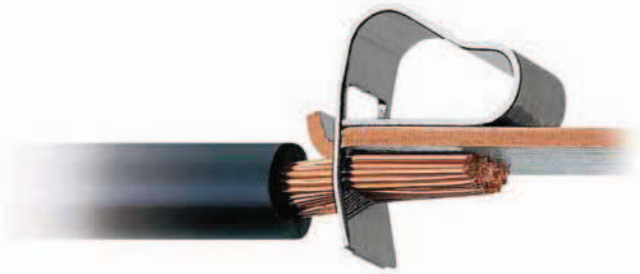
CAGE CLAMP®

The universal connection for solid, stranded and fine-stranded conductors

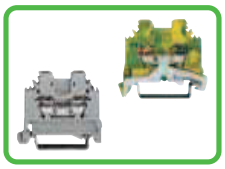
Handling:
Open clamping unit,
insert the conductor,
release clamp – done!



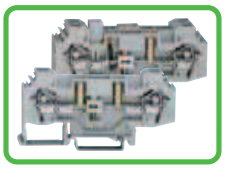




6



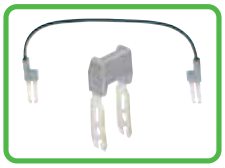
Through and Ground Conductor Terminal Blocks
0.08 mm² to 16 mm² (AWG 28 - 6) — 279 - 283 Series — 306 – 308



Disconnect Terminal Blocks for Test and Measurement, Ground Conductor Disconnect Terminal Blocks
– 6 mm² / AWG 10 — 282 Series — 310



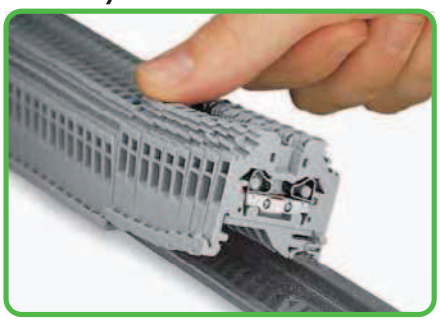
Fuse Terminal Blocks
– 6 mm² / AWG 10 — 282 Series — 312



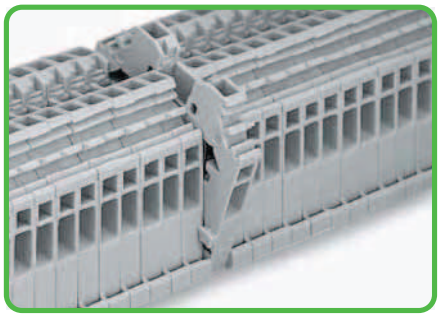
Accessories for Rail-Mounted Terminal Blocks
– Push-In Type Wire Jumpers — 201
– Step-Down Jumpers for Through Terminal Blocks — 309
– Staggered Jumpers — 201
– Test Plug Modules — 194 – 197

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

Assembly

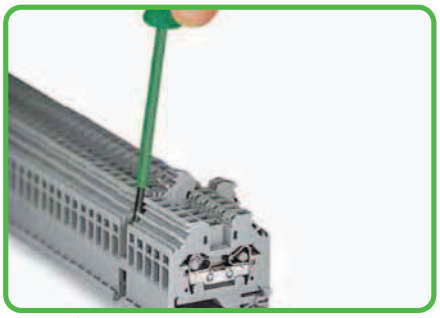


Snapping side-entry rail-mounted terminal blocks onto the carrier rail.



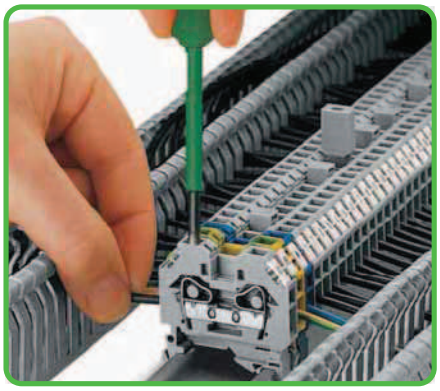
Quick assembly keys prevent reverse mounting.

Removal



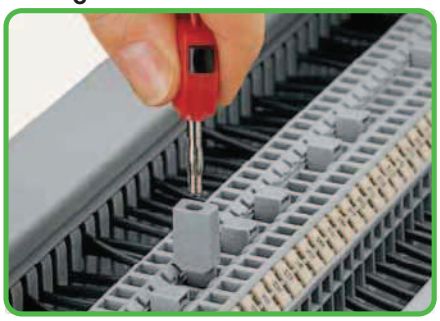
Removal from the carrier rail.

CAGE CLAMP® connection

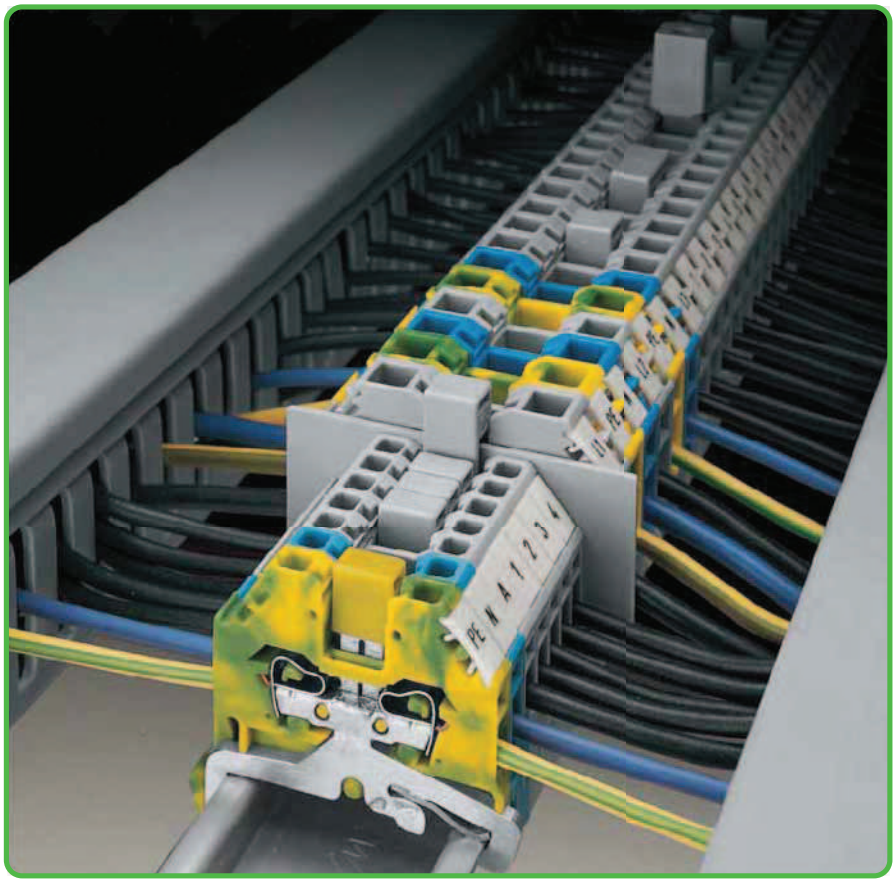


Conductor termination

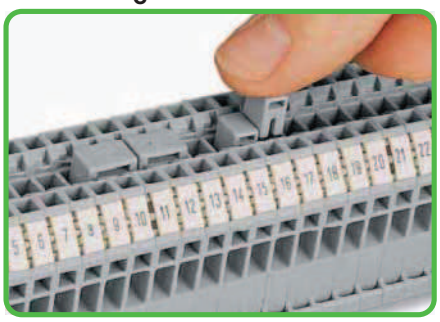
Testing



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



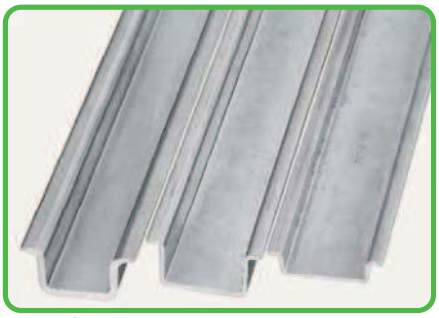
stranded



fine-stranded, also with tinned single strands

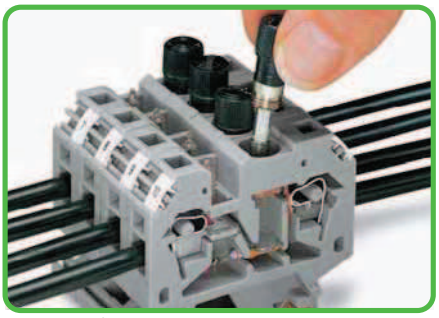
* For aluminum conductors, see notes in Section 14.

– Description and Handling –



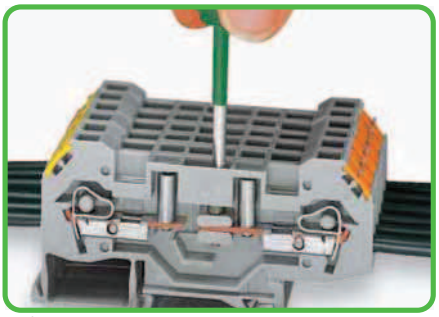
Suitable for all DIN 35 rails.

Fuse terminal blocks

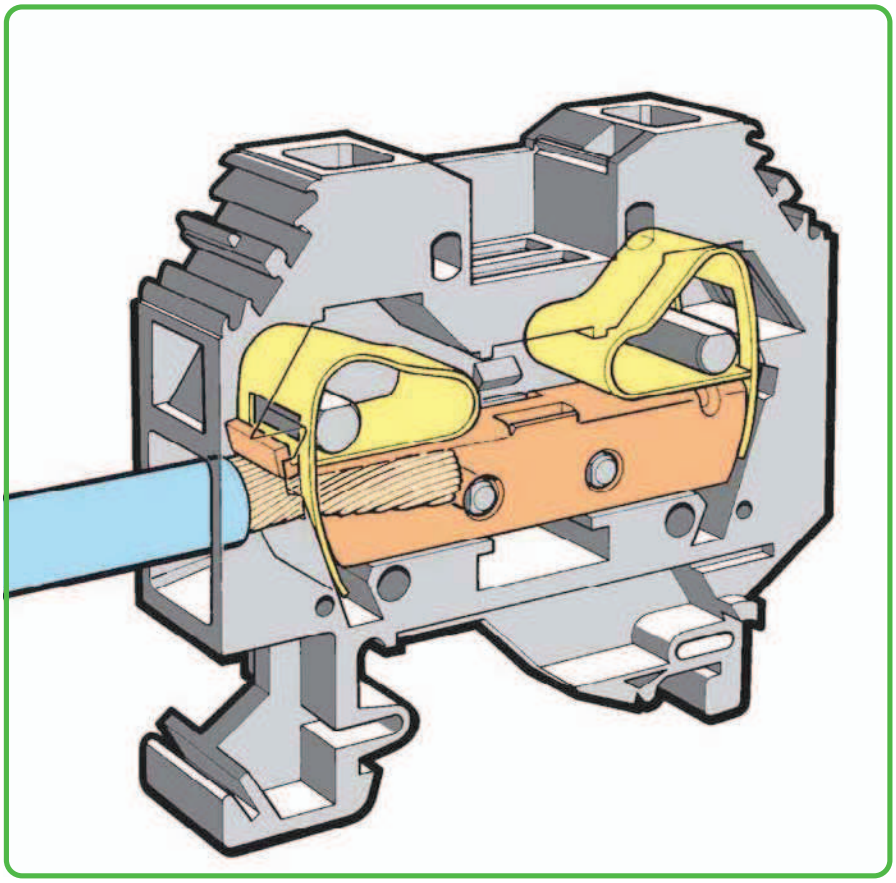


Replacing a fuse.

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
(gastight crimped)



fine-stranded,
with pin terminal
(gastight 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 1.5 mm² to 6 mm² 279 to 282 Series

0.08 - 1.5 mm²	AWG 28 - 16
800 V/8 kV/3 ❶	600 V, 10 A
I_N 18 A	600 V, 15 A

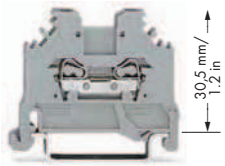
Terminal block width 4 mm / 0.157 in
8 - 9 mm / 0.33 in ❷

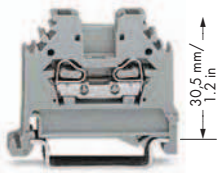
0.08 - 2.5 mm²	AWG 28 - 12 *
800 V/8 kV/3 ❶	600 V, 20 A
I_N 24 A	600 V, 20 A

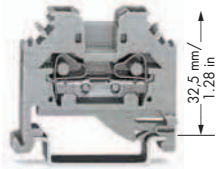
Terminal block width 5 mm / 0.197 in
8 - 9 mm / 0.33 in ❷

0.08 - 4 mm²	AWG 28 - 12
800 V/8 kV/3 ❶	600 V, 20 A
I_N 32 A	600 V, 25 A

Terminal block width 6 mm / 0.236 in
9 - 10 mm / 0.37 in ❷







	Item No.	Pack. Unit
2-conductor through terminal block		
gray	**279-101**	100
blue	**279-104** ❸	100

	Item No.	Pack. Unit
2-conductor through terminal block		
gray	**280-101**	100
blue	**280-104** ❸	100
2-conductor ground terminal block		
green-yellow	**280-107**	100

	Item No.	Pack. Unit
2-conductor through terminal block		
gray	**281-101**	100
blue	**281-104** ❸	100
2-conductor ground terminal block		
green-yellow	**281-107**	100

Item-Specific Accessories

	Item No.	Pack. Unit
End and intermediate plate, 2.5 mm thick		
orange	**280-302**	100 (4x25)
gray	**280-301**	100 (4x25)
Separator, oversized, 2 mm thick		
orange	**280-322**	100 (4x25)
gray	**280-332**	100 (4x25)
Adjacent jumper, insulated,		
I_N 15 A		
gray	**279-402**	200 (8x25)
yellow-green	**279-422**	200 (8x25)
Alternate jumper, insulated,		
I_N 15 A		
gray	**279-409**	100 (4x25)
Step-down jumper, insulated,		
❹ I_N 15 A		
gray	**284-414**	50 (2x25)
Intermediate plate,		
1 mm thick		
gray	**281-333**	100 (4x25)
orange	**281-336**	100 (4x25)
Protective warning marker,		
with high-voltage symbol, black,		
for 5 terminal blocks		
yellow	**279-405**	100 (4x25)
Test plug adapter, 8.3 mm wide,		
for terminal blocks 1.5 - 10 mm²,		
for test plug 4 mm Ø		
gray	**209-170**	50 (2x25)
Test plug adapter, 5 mm wide,		
for terminal blocks 1.5 - 4 mm²,		
for 210-137 test plug 2.3 mm Ø		
gray	**280-404**	100 (4x25)

Item-Specific Accessories

	Item No.	Pack. Unit
End and intermediate plate, 2.5 mm thick		
orange	**280-302**	100 (4x25)
gray	**280-301**	100 (4x25)
Separator, oversized, 2 mm thick		
orange	**280-322**	100 (4x25)
gray	**280-332**	100 (4x25)
Adjacent jumper, insulated,		
I_N = I_N terminal block		
gray	**280-402**	200 (8x25)
yellow-green	**280-422**	200 (8x25)
Alternate jumper, insulated,		
I_N = I_N terminal block		
gray	**280-409**	100 (4x25)
Step-down jumper, insulated,		
❹ I_N 15 A		
gray	**284-414**	50 (2x25)
Intermediate plate,		
1 mm thick		
gray	**281-333**	100 (4x25)
orange	**281-336**	100 (4x25)
Protective warning marker,		
with high-voltage symbol, black,		
for 5 terminal blocks		
yellow	**280-405**	100 (4x25)
Test plug adapter, 8.3 mm wide,		
for terminal blocks 1.5 - 10 mm²,		
for test plug 4 mm Ø		
gray	**209-170**	50 (2x25)
Test plug adapter, 5 mm wide,		
for terminal blocks 1.5 - 4 mm²,		
for 210-137 test plug 2.3 mm Ø		
gray	**280-404**	100 (4x25)

Item-Specific Accessories

	Item No.	Pack. Unit
End and intermediate plate, 3 mm thick		
orange	**281-302**	100 (4x25)
gray	**281-301**	100 (4x25)
Separator, oversized, 2 mm thick		
orange	**281-322**	100 (4x25)
gray	**281-332**	100 (4x25)
Adjacent jumper, insulated,		
I_N = I_N terminal block		
gray	**281-402**	200 (8x25)
yellow-green	**281-422**	200 (8x25)
Alternate jumper, insulated,		
I_N = I_N terminal block		
gray	**281-409**	100 (4x25)
Step-down jumper, insulated,		
❹ I_N 15 A		
gray	**284-414**	50 (2x25)
Intermediate plate,		
1 mm thick		
gray	**281-333**	100 (4x25)
orange	**281-336**	100 (4x25)
Step-down jumper, insulated,		
I_N 30 A		
gray	**284-413**	50 (2x25)
Step-down jumper, insulated,		
I_N 32 A		
gray	**283-414**	50 (2x25)
Protective warning marker,		
with high-voltage symbol, black,		
for 5 terminal blocks		
yellow	**281-405**	100 (4x25)
Test plug adapter, 8.3 mm wide,		
for terminal blocks 1.5 - 10 mm²,		
for test plug 4 mm Ø		
gray	**209-170**	50 (2x25)

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