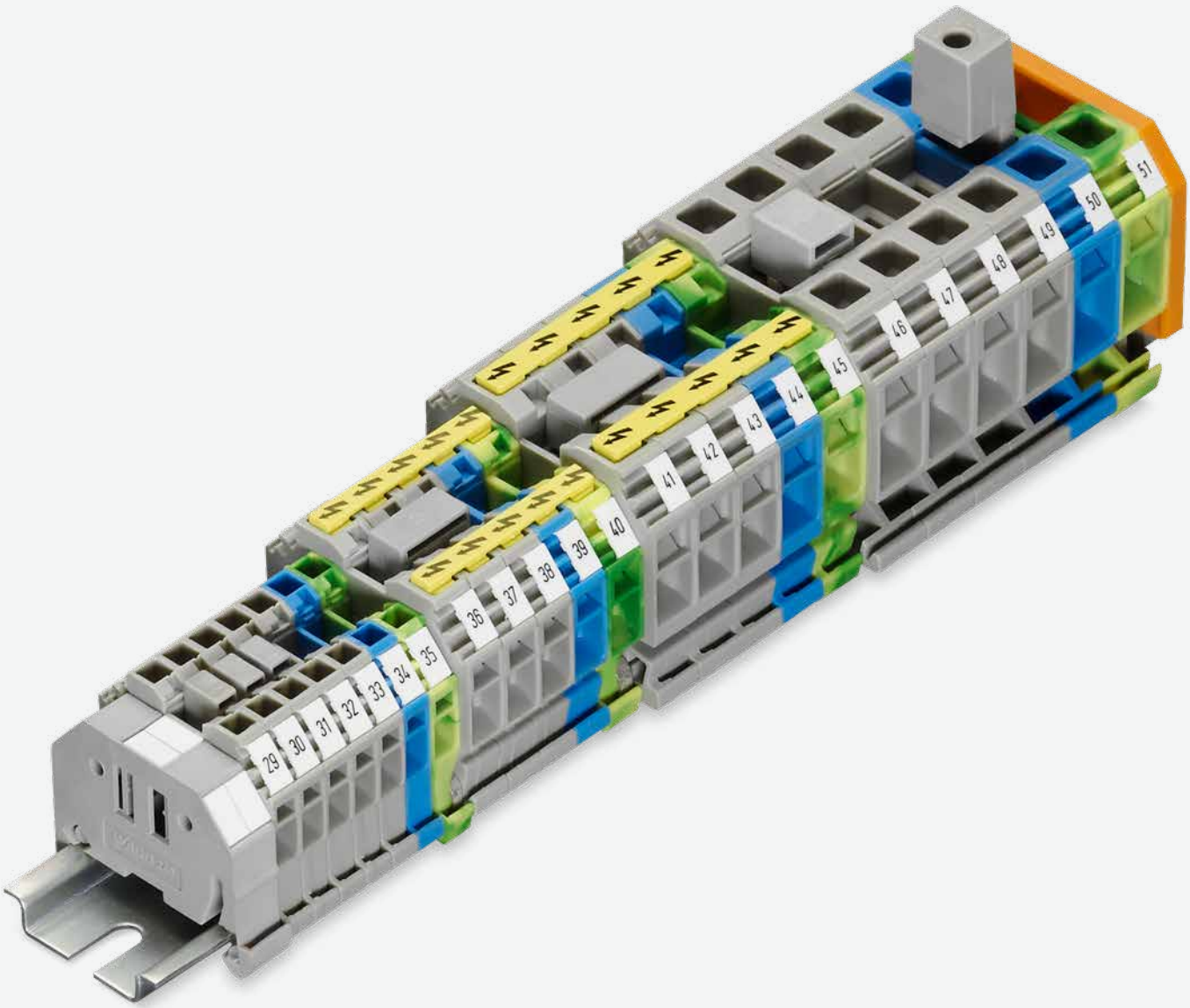


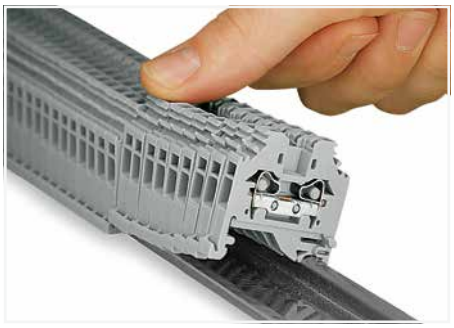
WAGO Rail-Mount Terminal Blocks Classic

CAGE CLAMP®

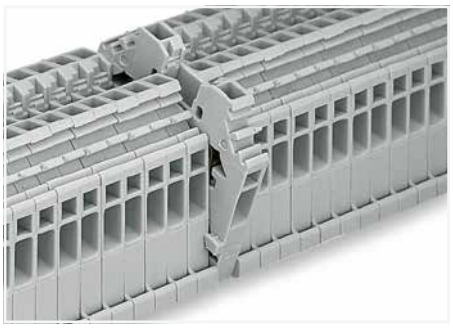
WAGO Rail-Mount Terminal Blocks Classic
Side-Entry Wiring

11

Rail-Mount Terminal Blocks Classic; Side-Entry Wiring
279 … 284 Series
Description and Installation

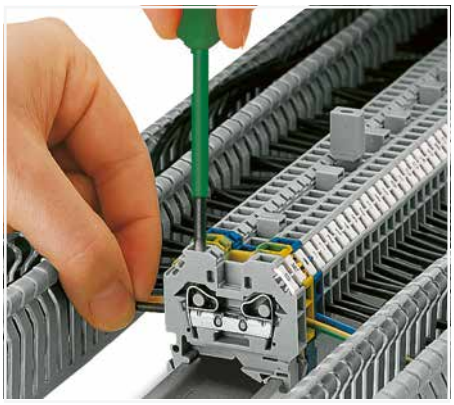


Snapping side-entry rail-mount terminal blocks onto the DIN-rail.

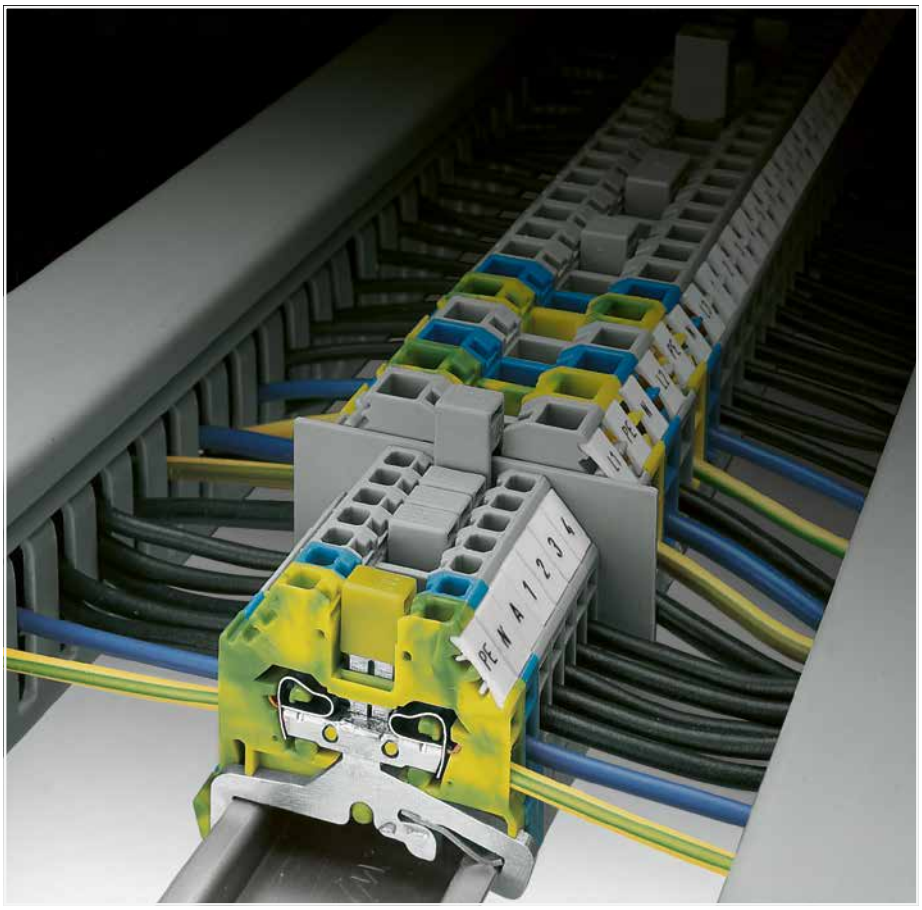


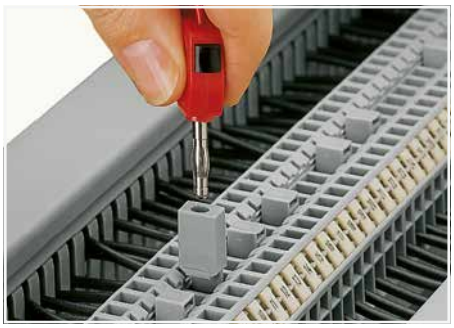
Quick assembly keys prevent reverse mounting.

Removing a terminal block from the assembly.



CAGE CLAMP® connection
Inserting a conductor.
With ferruled conductors, it is necessary to use a terminal block one size larger than the conductor's nominal cross section.





Testing with a test plug –
Picture shows a test plug adapter (209-170).

Commoning using an adjacent jumper (280-402).
Push jumpers down until fully inserted.

Commoning side-entry rail-mount terminal blocks via step-down jumpers.
Push down the step-down jumper until fully inserted.

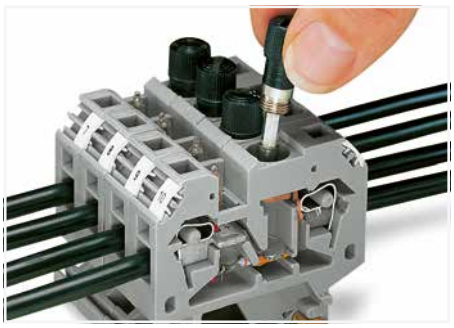
CAGE CLAMP® terminates the following copper conductors:
solid "s"

stranded "st"

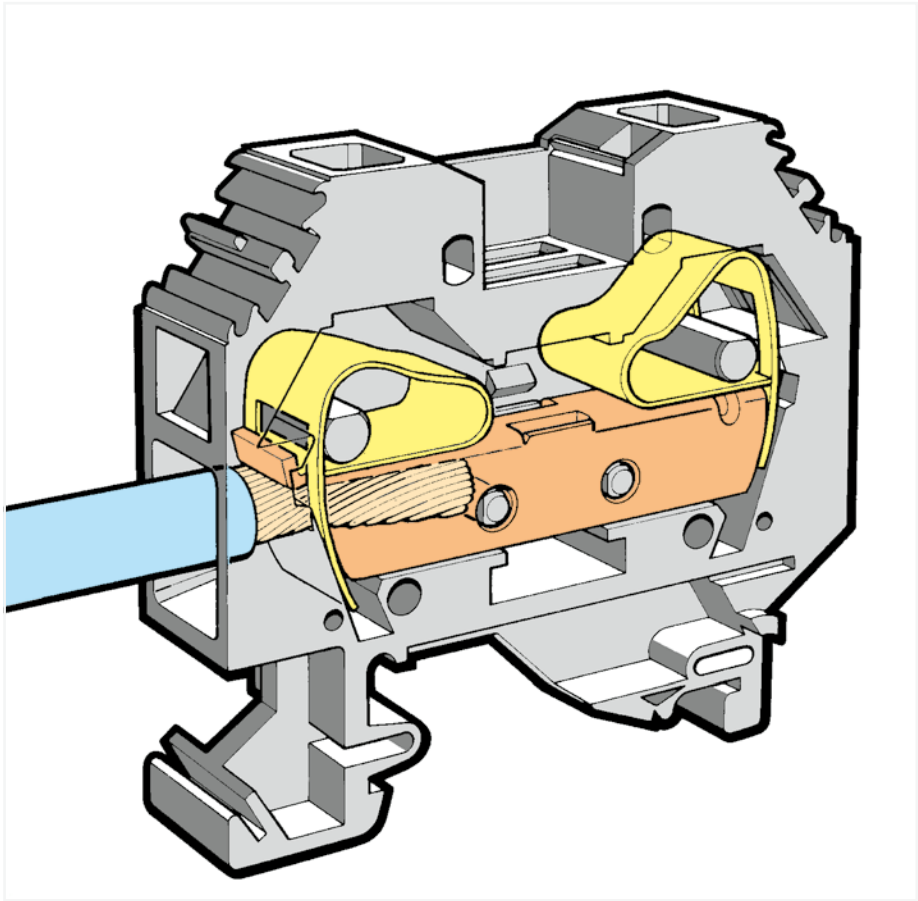
fine-stranded "f-st", also with tinned single strands

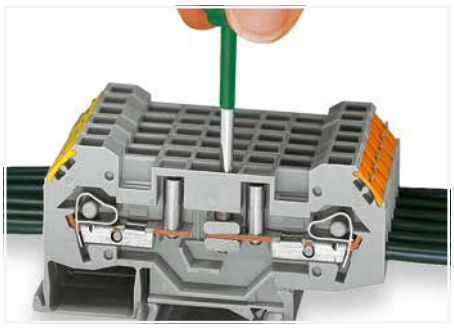
For aluminum conductors, see notes in Section 15.

Suitable for all DIN-35 rails

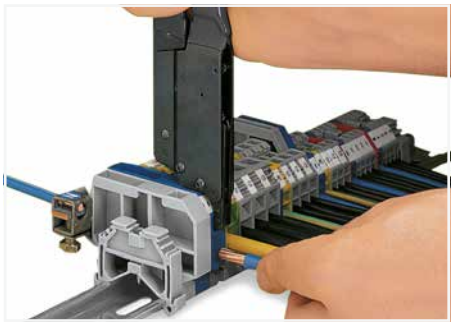


Replacing a fuse.





Shifting the disconnect slide link of a disconnect/test terminal block.



When operating the handles beyond the locked position, the ratchet allows the tool to open and be removed from the terminal block.

Labeling via WMB Multi Marking System.

fine-stranded, tip-bonded

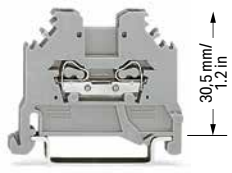
fine-stranded, with ferrule (gastight crimped)

fine-stranded, with pin terminal (gastight crimped)

Through and Ground Conductor Terminal Block

1.5 mm²; 279 Series and 2.5 mm²; 280 Series and 4 mm²; 281 Series and 6 mm²; 282 Series

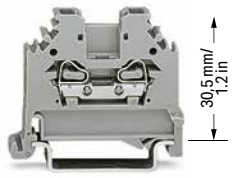
Technical Data	
0.08 … 1.5 mm²	28 … 16 AWG
800 V / 8 kV / 3 ❶	600 V, 10 A
I_N 18 A	600 V, 15 A
Terminal block width: 4 mm / 0.157 inch	
8 … 9 mm / 0.31 … 0.35 inch	



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

Accessories; item-specific			
End and intermediate plate; 2.5 mm thick			
	orange	280-302	100 (25)
	gray	280-301	100 (25)
Separator; oversized; 2 mm thick			
	orange	280-322	100 (25)
	gray	280-332	100 (25)
Adjacent jumper; insulated; I_N 15 A			
	gray	279-402	200 (25)
	yellow-green	279-422	200 (25)
Alternate jumper; insulated; I_N 15 A			
	gray	279-409	100 (25)
Step-down jumper; insulated; commons 10/6 mm² (8/10 AWG) down to 4/2.5/1.5 mm² (12/14/16 AWG); I_N 15 A			
	gray	284-414	50 (25)
Step-down intermediate plate; 1 mm thick; only for 4, 2.5 and 1.5 mm² terminal blocks			
	gray	281-333	100 (25)
Protective warning marker; with black high-voltage symbol; for 5 terminal blocks			
	yellow	279-405	100 (25)
Test plug adapter; 8.3 mm wide; for 4 mm Ø test plug; for 1.5 … 10 mm² terminal blocks			
	gray	209-170	50 (25)
Test plug adapter; 5 mm wide; for 210-137 Test Plug (2.3 mm Ø); for 1.5 … 4 mm² terminal blocks			
	gray	280-404	100 (25)

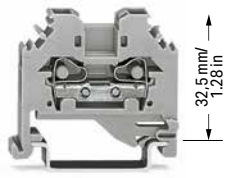
Technical Data	
0.08 … 2.5 mm²	28 … 12 AWG*
800 V / 8 kV / 3 ❶	600 V, 20 A
I_N 24 A	600 V, 20 A
Terminal block width: 5 mm / 0.197 inch	
8 … 9 mm / 0.31 … 0.35 inch	



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

Accessories; item-specific			
End and intermediate plate; 2.5 mm thick			
	orange	280-302	100 (25)
	gray	280-301	100 (25)
Separator; oversized; 2 mm thick			
	orange	280-322	100 (25)
	gray	280-332	100 (25)
Adjacent jumper; insulated; I_N = I_N terminal block			
	gray	280-402	200 (25)
	yellow-green	280-422	200 (25)
Alternate jumper; insulated; I_N = I_N terminal block			
	gray	280-409	100 (25)
Step-down jumper; insulated; commons 10/6 mm² (8/10 AWG) down to 4/2.5/1.5 mm² (12/14/16 AWG); I_N 15 A			
	gray	284-414	50 (25)
Step-down intermediate plate; 1 mm thick; only for 4, 2.5 and 1.5 mm² terminal blocks			
	gray	281-333	100 (25)
Protective warning marker; with black high-voltage symbol; for 5 terminal blocks			
	yellow	280-405	100 (25)
Test plug adapter; 8.3 mm wide; for 4 mm Ø test plug; for 1.5 … 10 mm² terminal blocks			
		209-170	50 (25)
Test plug adapter; 5 mm wide; for 210-137 Test Plug (2.3 mm Ø); for 1.5 … 4 mm² terminal blocks			
	gray	280-404	100 (25)

Technical Data	
0.08 … 4 mm²	28 … 12 AWG
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 inch	
9 … 10 mm / 0.35 … 0.39 inch	



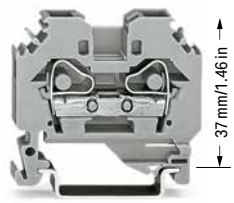
2-conductor through terminal block		
Color	Item No.	Pack. Unit
gray	281-101	100
blue	281-104 ❷	100
2-conductor ground terminal block		
green-yellow	281-107	100

Accessories; item-specific			
End and intermediate plate; 3 mm thick			
	orange	281-302	100 (25)
	gray	281-301	100 (25)
Separator; oversized; 2 mm thick			
	orange	281-322	100 (25)
	gray	281-332	100 (25)
Adjacent jumper; insulated; I_N = I_N terminal block			
	gray	281-402	200 (25)
	yellow-green	281-422	200 (25)
Alternate jumper; insulated; I_N = I_N terminal block			
	gray	281-409	100 (25)
Step-down jumper; insulated; commons 10/6 mm² (8/10 AWG) down to 4/2.5/1.5 mm² (12/14/16 AWG); I_N 15 A			
	gray	284-414	50 (25)
Step-down intermediate plate; 1 mm thick; only for 4, 2.5 and 1.5 mm² terminal blocks			
	gray	281-333	100 (25)
Step-down jumper; insulated; commons 10/6 mm² (8/10 AWG) down to 6/4 mm² (10/12 AWG); I_N 30 A			
	gray	284-413	50 (25)
Step-down jumper; insulated; commons 16 mm² (6 AWG) down to 4 mm² (12 AWG); I_N 32 A			
	gray	283-414	50 (25)
Protective warning marker; with black high-voltage symbol; for 5 terminal blocks			
	yellow	281-405	100 (25)

11

CAGE CLAMP®

Technical Data	
0.2 … 6 mm²	24 … 10 AWG
800 V / 8 kV / 3 ❶	600 V, 30 A
I_N 41 A	600 V, 10 A
Terminal block width: 8 mm / 0.315 inch	
12 … 13 mm / 0.47 … 0.51 inch	



2-conductor through terminal block		
Color	Item No.	Pack. Unit
gray	282-101	50
blue	282-104 ❷	50

2-conductor ground terminal block		
green-yellow	282-107	50

Accessories; item-specific

End and intermediate plate; 4 mm thick

orange	282-302	100 (25)
gray	282-301	100 (25)

Separator; oversized; 2 mm thick

orange	282-322	100 (25)
gray	282-332	100 (25)

Adjacent jumper; insulated; I_N 41 A

gray	282-402	100 (25)
yellow-green	282-422	100 (25)

Alternate jumper; insulated; I_N 41 A

gray	282-409	100 (25)

Step-down jumper; insulated; commons 10/6 mm² (8/10 AWG) down to 6/4 mm² (10/12 AWG); I_N 30 A

gray	284-413	50 (25)

Step-down cover plate; 1 mm thick

gray	284-333	100 (25)
orange	284-343	100 (25)

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow	282-405	100 (25)

Test plug adapter; 8.3 mm wide; for 4 mm Ø test plug; for 1.5 … 10 mm² terminal blocks

gray	209-170	50 (25)

B-type test plug module; snaps together; 8 mm wide

gray	709-310	100 (25)

*12 AWG: THHN, THWN

❶ 800 V = rated voltage
8 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

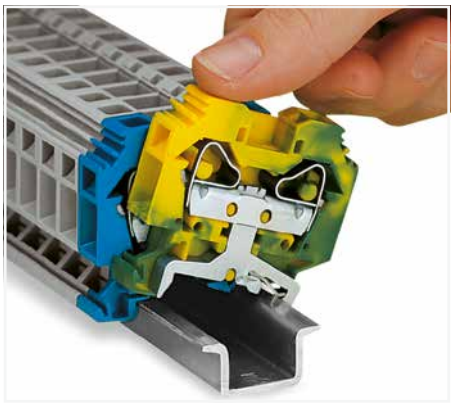
❷ Terminal blocks with a blue insulated housing are suitable for Ex i applications.

See application notes for:
Step-down jumper, page 541
Test plug module, page 381
Marking, from page 640

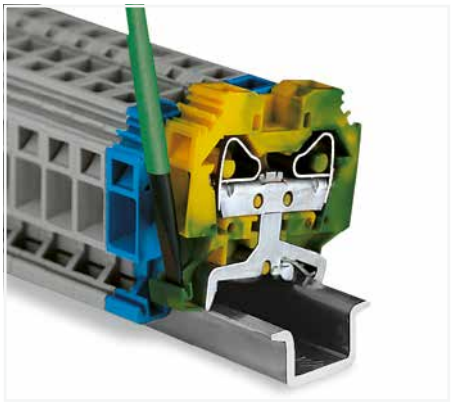
Approvals and corresponding ratings, visit www.wago.com

DIN-Rail	Item No.	Current [A]	Acc. to mm²/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			

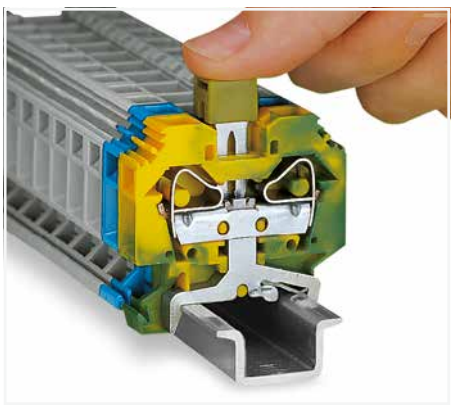
When using standard DIN-rails as ground conductor busbars, please refer to the maximum current capacities listed above.
Steel DIN-rails are not suited for PEN (ground and N-conductor) applications per EN 60947-7-2 (VDE 0611, Part 3).



Snapping a terminal block onto the DIN-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.
After mounting, sliding the blocks on the rail is not possible.



Removing a terminal block from the DIN-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.



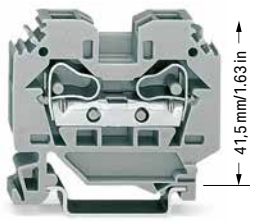
Push jumper down until fully inserted.
Commoning ground conductor terminal blocks with through terminal blocks is possible in one direction only (via rear side of terminal block) using adjacent jumpers.
Recommends using yellow-green adjacent jumpers in addition to the required marking of these blocks.

11

CAGE CLAMP®

Through and Ground Conductor Terminal Block
10 mm²; 284 Series and 16 mm²; 283 Series

Technical Data	
0.2 … 10 mm²	24 … 8 AWG
800 V / 8 kV / 3 ❶	600 V, 50 A
I_N 57 A	600 V, 65 A
Terminal block width: 10 mm / 0.394 inch	
12 … 13 mm / 0.47 … 0.51 inch	



2-conductor through terminal block		
Color	Item No.	Pack. Unit
gray	284-101	50
blue	284-104 ❷	50

2-conductor ground terminal block		
green-yellow	284-107	50

Accessories; item-specific

End and intermediate plate; 2.5 mm thick

orange	284-302	100 (25)
gray	284-301	100 (25)

Separator; oversized; 2 mm thick

orange	284-322	100 (25)
gray	284-332	100 (25)

Adjacent jumper; insulated; I_N 57 A

gray	284-402	100 (25)
yellow-green	284-422	100 (25)

Alternate jumper; insulated; I_N 57 A

gray	284-409	50 (25)

Step-down jumper; insulated; commons 10/6 mm² (8/10 AWG) down to 6/4 mm² (10/12 AWG); I_N 30 A

gray	284-413	50 (25)

Step-down cover plate; 1 mm thick

gray	284-333	100 (25)
orange	284-343	100 (25)

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow	284-405	50 (25)

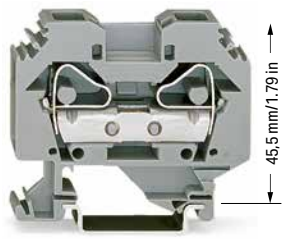
Test plug adapter; 8.3 mm wide; for 4 mm Ø test plug; for 1.5 … 10 mm² terminal blocks

	209-170	50 (25)

B-type test plug module; snaps together; 8 mm wide

gray	709-310	100 (25)

Technical Data	
0.2 … 16 mm²	24 … 6 AWG
800 V / 8 kV / 3 ❶	600 V, 65 A
I_N 76 A	600 V, 90 A
Terminal block width: 12 mm / 0.472 inch	
16 … 17 mm / 0.63 … 0.67 inch	



2-conductor through terminal block		
Color	Item No.	Pack. Unit
gray	283-101	50
blue	283-104 ❷	50

2-conductor ground terminal block		
green-yellow	283-107	50

Accessories; item-specific

End and intermediate plate; 4 mm thick

orange	283-302	50 (25)
gray	283-301	50 (25)

Separator; oversized; 2 mm thick

orange	283-322	50 (25)
gray	283-332	50 (25)

Adjacent jumper; insulated; I_N 70 A

gray	283-402	50 (25)
yellow-green	283-422	50 (25)

Alternate jumper; insulated; I_N 76 A

gray	283-409	50 (25)

Step-down jumper; insulated; commons 16 mm² (6 AWG) down to 4 mm² (12 AWG); I_N 32 A

gray	283-414	50 (25)

Step-down cover plate; 1 mm thick

gray	283-333	100 (25)
orange	283-335	100 (25)

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow	283-405	50 (25)

Test plug adapter; 8.3 mm wide; for 4 mm Ø test plug; for 1.5 … 10 mm² terminal blocks

gray	283-404	25

❶ 800 V = rated voltage
8 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

See application notes for:
Step-down jumper, page 541
Test plug module, page 381
Marking, from page 640

Approvals and corresponding ratings, visit www.wago.com

Step-down jumpers 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. Additional through terminal blocks having a smaller cross-section may be commoned using adjacent jumpers.

In this case, pay attention that:
The total current of the outgoing circuits does not exceed the nominal current of the step-down jumper.
The standard or special thin cover plate is installed on the open side of the larger block.

Step-Down Jumper; for Side-Entry Through Terminal Blocks
Installation

Side-entry terminal blocks cannot be commoned with front-entry terminal blocks via step-down jumpers. For commoning front-entry terminal blocks via step-down jumpers, see page 286.

Step-down jumper; insulated; commons 10/6 mm² (8/10 AWG) down to 4/2.5/1.5 mm² (12/14/16 AWG); I_N 15 A

Color	Item No.	Pack. Unit
gray	**284-414**	50 (25)

Step-down jumper; insulated; commons 10/6 mm² (8/10 AWG) down to 6/4 mm² (10/12 AWG); I_N 30 A

Color	Item No.	Pack. Unit
gray	**284-413**	50 (25)

Accessories; item-specific

Step-down cover plate; 1 mm thick

gray	**284-333**	100 (25)
orange	**284-343**	100 (25)

Step-down intermediate plate; 1 mm thick; only for 4, 2.5 and 1.5 mm² terminal blocks

gray	**281-333**	100 (25)

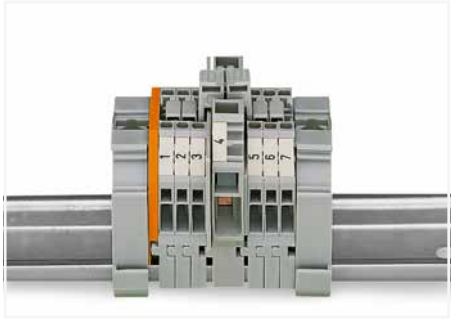
Step-down jumper; insulated; commons 16 mm² (6 AWG) down to 4 mm² (12 AWG); I_N 32 A

Color	Item No.	Pack. Unit
gray	**283-414**	50 (25)

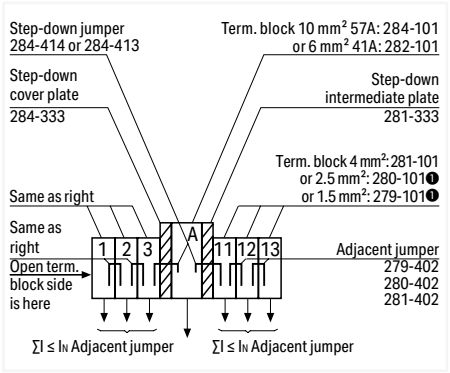
Accessories; item-specific

Step-down cover plate; 1 mm thick

gray	**283-333**	100 (25)
orange	**283-335**	100 (25)

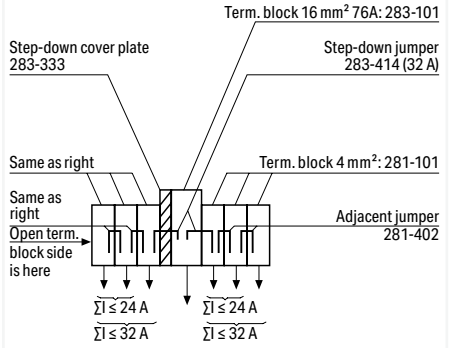


Commoning from 6 mm²/10 AWG (282 Series) to 1.5 mm²/16 AWG (279 Series) rail-mount terminal blocks via step-down jumpers.

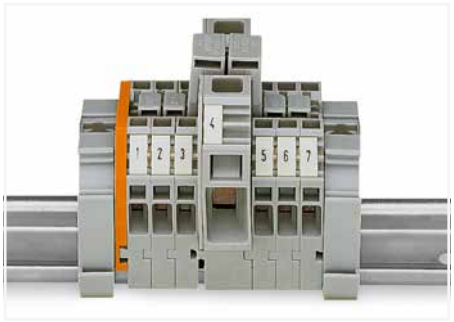


Assembly example: Commoning from 10/6 mm² (8/10 AWG) to 4/2.5/1.5 mm² (12/14/16 AWG) rail-mount terminal blocks via step-down jumper (284-414).

❶ Commoning with step-down jumpers from 10 mm² (284-101) to 2.5 mm² (280-101) or 1.5 mm² (279-101) terminal blocks via the terminal block rear side is not possible (see example: terminal block A to 11).



Assembly example: Commoning from 16 mm²/6 AWG to 4 mm²/12 AWG rail-mount terminal blocks via step-down jumper (283-414).

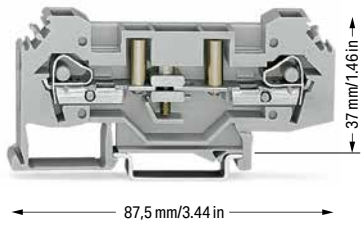


Commoning from 16 mm²/6 AWG (283 Series) to 4 mm²/12 AWG (281 Series) rail-mount terminal blocks via step-down jumpers.

11

Disconnect/Test Terminal Block
6 mm²; 282 Series

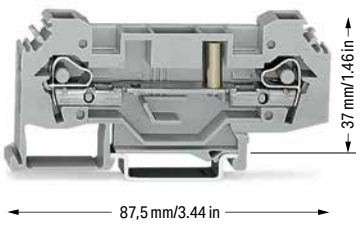
Technical Data	
0.2 … 6 mm²	24 … 10 AWG
400 V / 6 kV / 3	300 V, 30 A
I_N 41 A	300 V, 40 A
Terminal block width: 8 mm / 0.315 inch	
12 … 13 mm / 0.47 … 0.51 inch	



Disconnect/test terminal block; with 4 mm Ø test sockets

Color	Item No.	Pack. Unit
gray	282-131	25

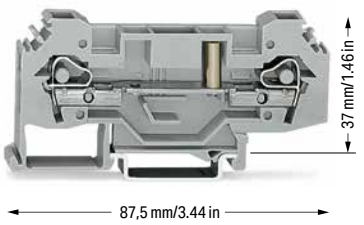
Technical Data	
0.2 … 6 mm²	24 … 10 AWG
400 V / 6 kV / 3	300 V, 30 A
I_N 41 A	300 V, 40 A
Terminal block width: 8 mm / 0.315 inch	
12 … 13 mm / 0.47 … 0.51 inch	



Through terminal block

Color	Item No.	Pack. Unit
gray	282-133	25

Technical Data	
0.2 … 6 mm²	24 … 10 AWG
400 V / 6 kV / 3	300 V, 30 A
I_N 41 A	300 V, 40 A
Terminal block width: 8 mm / 0.315 inch	
12 … 13 mm / 0.47 … 0.51 inch	



Disconnect/test terminal block; without test sockets

Color	Item No.	Pack. Unit
gray	282-135	25

Accessories; item-specific

Alternate jumper; insulated; I_N 41 A

gray	282-409	100 (25)

Lock-out; prevents reclosing of slide link; snap-on type

orange	282-137	100 (25)

Test plug adapter; 8.3 mm wide; for 4 mm Ø test plug; for 1.5 … 10 mm² terminal blocks

gray	209-170	50 (25)

B-type test plug module; snaps together; 8 mm wide

gray	709-310	100 (25)

B-type spacer module; snaps together; 8 mm wide

gray	709-311	100 (25)

Accessories; item-specific

Alternate jumper; insulated; I_N 41 A

gray	282-409	100 (25)

Test plug adapter; 8.3 mm wide; for 4 mm Ø test plug; for 1.5 … 10 mm² terminal blocks

gray	209-170	50 (25)

B-type test plug module; snaps together; 8 mm wide

gray	709-310	100 (25)

B-type spacer module; snaps together; 8 mm wide

gray	709-311	100 (25)

Accessories; item-specific

Alternate jumper; insulated; I_N 41 A

gray	282-409	100 (25)

Lock-out; prevents reclosing of slide link; snap-on type

orange	282-137	100 (25)

Test plug adapter; 8.3 mm wide; for 4 mm Ø test plug; for 1.5 … 10 mm² terminal blocks

gray	209-170	50 (25)

B-type test plug module; snaps together; 8 mm wide

gray	709-310	100 (25)

B-type spacer module; snaps together; 8 mm wide

gray	709-311	100 (25)

Accessories; 282 Series

Appropriate marking system: WMB

End and intermediate plate; 4 mm thick

gray	282-315	50 (25)
orange	282-314	50 (25)

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow	282-405	100 (25)

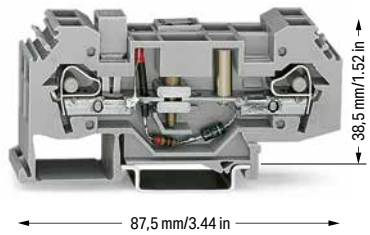
Adjacent jumper; insulated; I_N 41 A

gray	282-402	100 (25)

11

Technical Data	
0.2 … 6 mm²	24 … 10 AWG

Terminal block width: 16 mm / 0.63 inch
12 … 13 mm / 0.47 … 0.51 inch



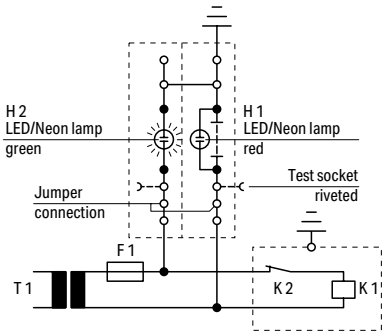
Ground conductor disconnect terminal block; gray		
Color	Item No.	Pack. Unit
24 V	282-140	12
48 V	282-141	12
120 V	282-138	12
230 V	282-139	12

Accessories; item-specific			
Lock-out; prevents reclosing of slide link; snap-on type			
	orange	282-137	100 (25)

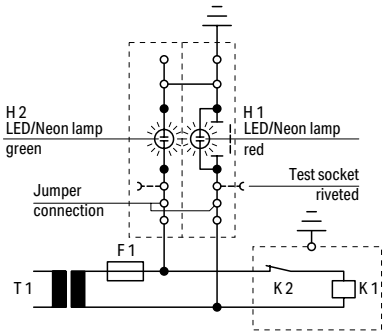
❶ 400 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

See application notes for:
Test plug module, page 381
Marking, from page 640

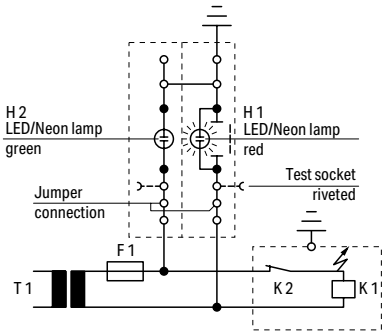
Approvals and corresponding ratings, visit www.wago.com



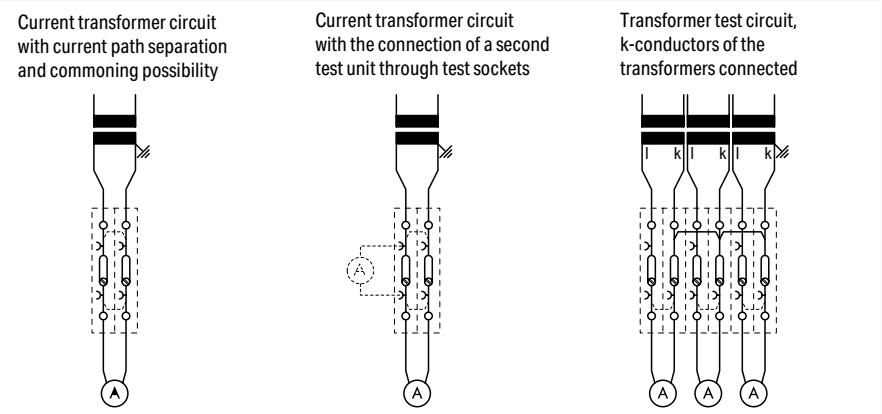
Operation
Slide link closed, auxiliary circuit grounded, green LED/neon lamp illuminates.



Test condition – no grounding
Slide link open, auxiliary circuit not grounded.



Test condition – grounding
Slide link open, auxiliary circuit not grounded, red LED/neon lamp illuminates.



IEC 60204/DIN VDE 0113 "Safety of machinery – Electrical equipment of machines – Part 1: General requirements," Section 9.4.3.1:

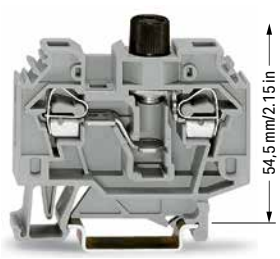
Ground faults on control circuits must not cause unintentional starting, hazardous movements, or prevent stopping of the machine.

In order to fulfill this requirement, a connection to the protective bonding circuit must be provided in accordance with Section 8.2 and the devices must be connected as described in Section 9.1.4. Control circuits fed from a transformer and not connected to the protective bonding circuit must be provided with an insulation monitoring device (e.g., residual current device), which either indicates a ground fault or interrupts the circuit automatically after a ground fault.
In the case of electronic circuits, the connection of one side of the control circuit to the protective bonding circuit in accordance with Section 9.1.4 can prevent unintentional operation. When this does not help, or if due to other reasons that electronic circuits cannot be connected to the protective bonding circuit, other measures must be taken to achieve the same level of safety.

Multipole control switches that interrupt all live conductors must be used where the control circuit is directly connected between the phase conductors of the supply or between a phase conductor and a neutral conductor, which is either not grounded or grounded through a high impedance. This is required for starting or stopping machine functions, which can cause a hazardous situation including: damaging the machine or halting work in progress in the event of unintentional starting or failure to stop.

Fuse Terminal Block
6 mm²; 282 Series

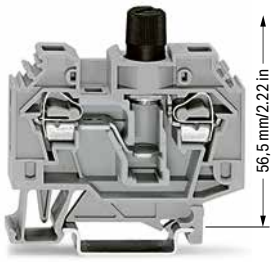
Technical Data	
0.2 … 6 mm²	24 … 10 AWG
500 V / 6 kV / 3	600 V, 10 A
I_N 10 A	250 V, 10 A
Terminal block width: 13 mm / 0.512 inch	
12 … 13 mm / 0.47 … 0.51 inch	



2-conductor fuse terminal block; for 5 x 20 mm miniature metric fuse; without blown fuse indication

Color	Item No.	Pack. Unit
gray	282-122	40

Technical Data	
0.2 … 6 mm²	24 … 10 AWG
500 V / 6 kV / 3	
I_N 10 A	250 V, 10 A
Terminal block width: 13 mm / 0.512 inch	
12 … 13 mm / 0.47 … 0.51 inch	



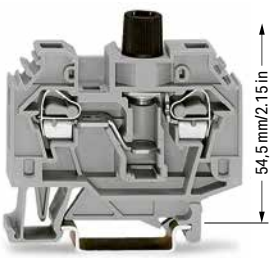
2-conductor fuse terminal block; for glass cartridge fuse ¼" x 1¼"; without blown fuse indication

Color	Item No.	Pack. Unit
gray	282-120	40

2-conductor fuse terminal block; for glass cartridge fuse ¼" x 1¼"; without blown fuse indication

gray	282-128	40

Technical Data	
0.2 … 6 mm²	24 … 10 AWG
500 V / 6 kV / 3	600 V, 10 A
I_N 10 A	250 V, 10 A
Terminal block width: 13 mm / 0.512 inch	
12 … 13 mm / 0.47 … 0.51 inch	



2-conductor fuse terminal block; for 5 x 25 mm miniature metric fuse; without blown fuse indication

Color	Item No.	Pack. Unit
gray	282-126	40

Accessories; item-specific

Glass cartridge fuse; without indicator; 5 x 20 mm; 6.3 A / 250 V; medium-acting

282-451 100

Glass cartridge fuse; without indicator; ¼" x 1"; 10 A / 240 V; per BS 1362

282-458 200 (10)

Glass cartridge fuse; without indicator; ¼" x 1¼"; 10 A / 250 V; medium-acting

282-457 200 (100)

Glass cartridge fuse; without indicator; ¼" x 1¼"; very fast-acting

282-454 200 (10)

Glass cartridge fuse; with indicator; 5 x 25 mm; 6.3 A / 250 V; medium-acting

282-452 200 (10)

Glass cartridge fuse; with indicator; 5 x 25 mm, 10 A / 450 V; fast-acting

282-453 200 (10)

Accessories; 282 Series

Appropriate marking system: WMB

End and intermediate plate; 4 mm thick

orange	282-312	50 (25)
gray	282-311	50 (25)

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 282-405 100 (25)

Adjacent jumper; insulated; I_N 41 A

gray 282-402 100 (25)

Test plug adapter; 8.3 mm wide; for 4 mm Ø test plug; for 1.5 … 10 mm² terminal blocks

gray 209-170 50 (25)

Test plug adapter; 6 mm wide; with CAGE CLAMP®; for 0.08 … 2.5 mm²

I_N 24 A 281-407 100 (25)

Operating pliers; for 281, 282, 283, 284 Series side-entry rail-mounted terminal blocks

210-141 1