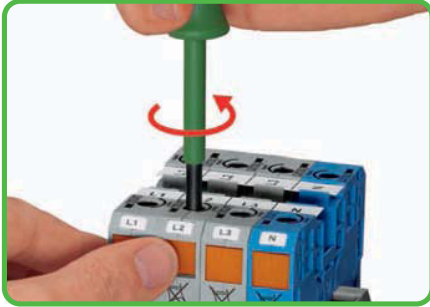


High-Current, Rail-Mounted Terminal Blocks 35 mm² 285 Series

Conductor termination



Insert operating tool and turn counterclockwise. Then push in orange locking tab for handsfree wiring.

Commoning



Commoning adjacent terminal blocks using centrally positioned adjacent jumpers.



Slide the marking strip laterally to remove the jumper.

Conductor termination

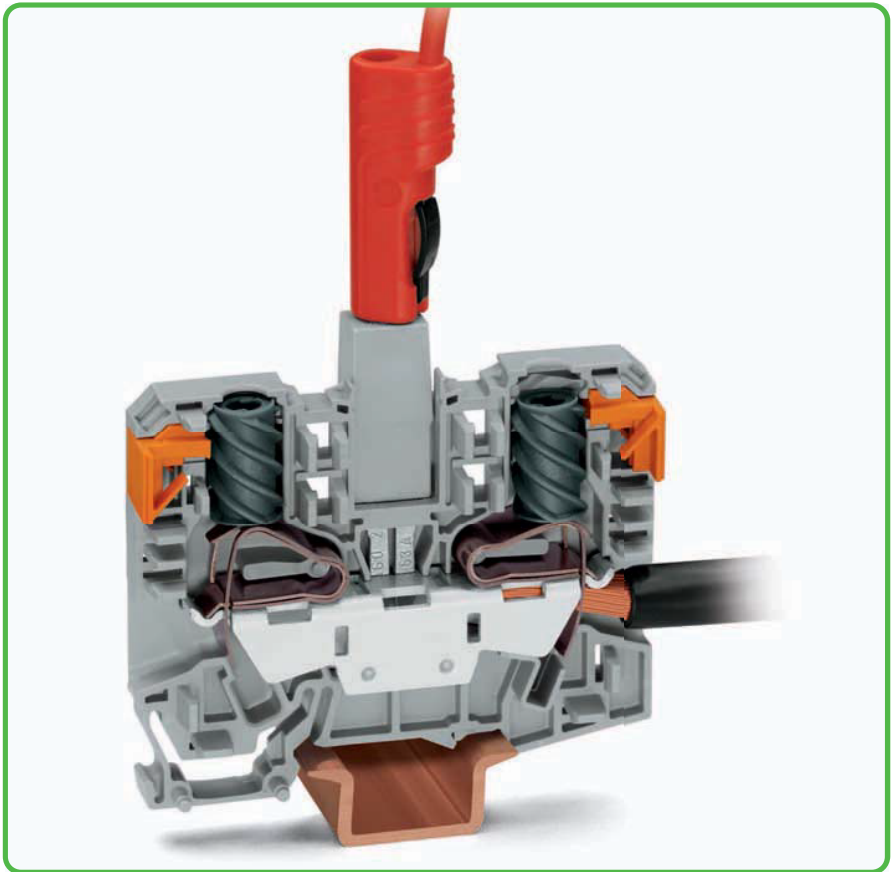


Insert stripped conductor into the clamping unit until it hits backstop; hold conductor in position.

Conductor termination



Unlock the locking tab with a short counterclockwise turn of the operating tool ①, when unlocked allow operating tool to rotate clockwise ② to securely terminate the conductor.



Side-entry wiring means that even larger conductors, which offer limited flexibility, can be easily connected.

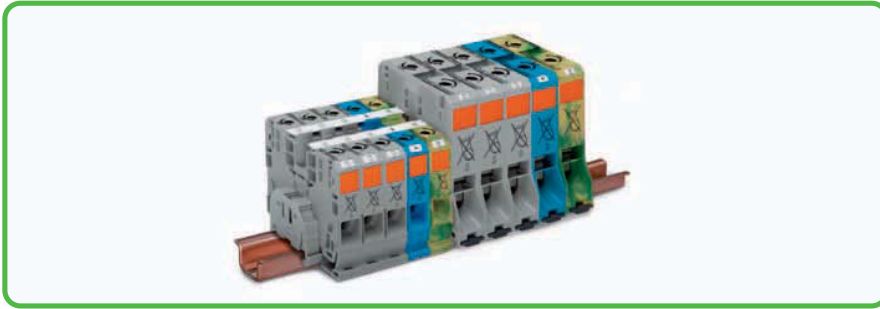
POWER CAGE CLAMP clamps the following copper conductors:*
solid

stranded

fine-stranded, also with tinned single strands

* For aluminum conductors, see notes in Section 14.

- Description and Handling -

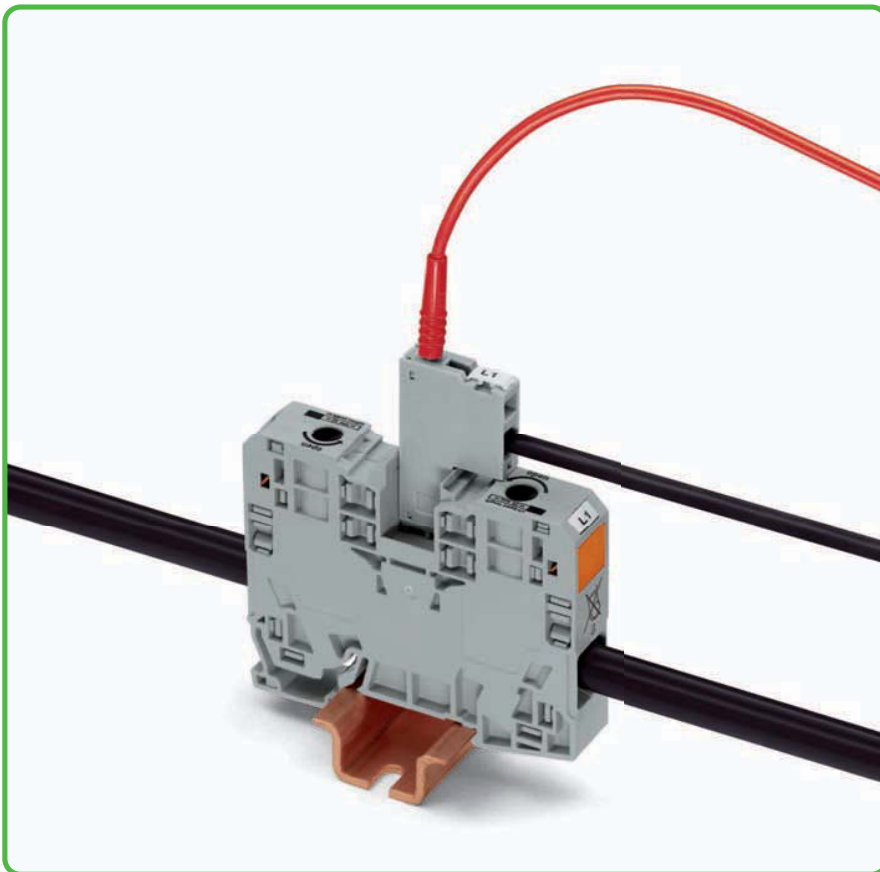


Rail-mounted, high-current terminal blocks 35 mm²/AWG 2 and 50 mm²/AWG 1

Testing



Testing with touch-proof test sockets 4 mm Ø.
(not offered by WAGO - e.g., mfd by Multi-Contact Deutschland GmbH)



Testing

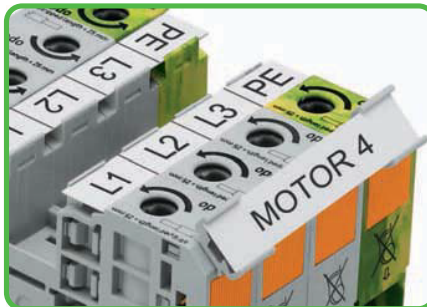
The voltage tap is inserted into the jumper contact slot. It can be fitted with a strain relief plate and provides a testing option for test plug 2 mm Ø.

Marking



In addition to the WMB marking system, custom marking strips can also be used.

Marking



Adapter for marking strips or 2 x WMB

Commoning with step-down jumpers



Commoning from 35 mm²/AWG 2 POWER CAGE CLAMP terminal blocks to 10/16 mm² (AWG 8/10) TOPJOB® terminal blocks

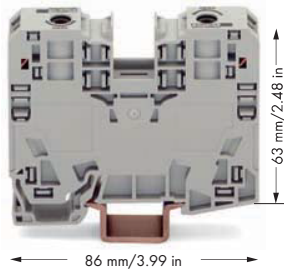


fine-stranded,
with ferrule
(gastight crimped)

High-Current, Through and Ground Conductor Terminal Blocks 35 mm² 285 Series

POWER CAGE CLAMP®

6 - 35 mm ² 1000 V/8 kV/3 ① I _N 125 A Terminal block width 16 mm / 0.63 in 25 mm / 0.98 in ③	AWG 10 - 2 600 V, 115 A [Ⓜ] 600 V, 115 A [Ⓢ]	0.2 - 6 mm ² 800 V/8 kV/3 ② I _N 32 A module width 8 mm / 0.315 in 12 - 13 mm / 0.49 in ③	AWG 24 - 10 600 V, 30 A [Ⓜ] 600 V, 32 A [Ⓢ]
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- ① 1000 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
- ② 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
- ③ Strip length, see packaging or instructions.

Item No.	Pack. Unit	Item No.	Pack. Unit
2-conductor through terminal block , to be used exclusively on DIN 35 x 15 rail		Voltage tap , for 35 mm ² high-current terminal blocks	
gray	285-135 15	gray	285-427 5
blue	285-134 15		
2-conductor ground terminal block , to be used exclusively on DIN 35 x 15 rail; 2.3 mm thick			
green-yellow	285-137 15		
Item-Specific Accessories		Item-Specific Accessories	
Adjacent jumper , insulated, I _N 85 A		Strain relief plate , gray	
gray	285-435 50 (2x25)	1-pole	769-410 100 (4x25)
Step-down jumper , insulated, I _N 90 A		Test plug ,	
gray	285-430 50 (2x25)	with 500 mm cable, 2 mm Ø	
Protective warning marker , with high-voltage symbol, black		red	210-136 50
yellow	285-420 100 (4x25)	WMB Multi marking system ,	
Finger guard , touchproof cover protects unused conductor entries		10 strips with 10 markers per card, for terminal widths 5 - 17.5 mm	
yellow	285-421 100 (4x25)	plain	793-501 5
Test plug adapter , 11.6 mm wide, for 1.5 - 16 mm ² terminal blocks, for test plug 4 mm Ø		WMB Multi marking system ,	
gray	283-404 25	10 strips with 10 markers per card, stretchable 5 - 5.2 mm	
Operating tool with partially insulated shaft , type 3, (5.5 x 0.8) mm blade		plain	793-5501 5
	210-721 1		
Three-phase set , with 35mm ² high-current terminal blocks			
	285-139 1		
Marking strip , plain, 11 mm wide, 50 m roll			
white	2009-110 1		
Marker carrier , for POWER CAGE CLAMP 35/50/95 mm ² , 5 mm wide			
gray	285-442 25		
Copper carrier rail , acc. to EN 60715, 3.5 x 15 mm, 2.3 mm, 2 m/6'6" long			
unslotted	210-198 10		



Commoning from 35 mm²/AWG 2 POWER CAGE CLAMP terminal blocks to 10/16 mm² (AWG 8/10) TOPJOB® terminal blocks

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, in the same way as all other push-in 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 push-in type jumper bars.

In this case, pay attention that: The total current flowing does not exceed the rating of the step-down jumper.