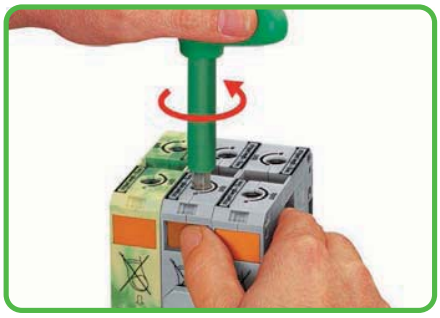
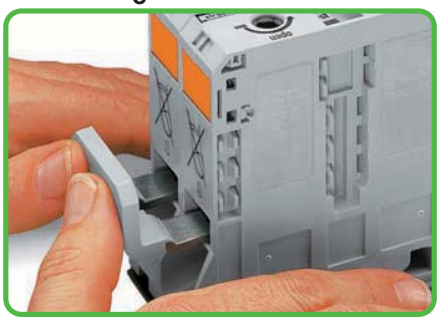
High-Current, Rail-Mounted Terminal Blocks 95 mm², 285 Series – Description and Handling –

Conductor termination



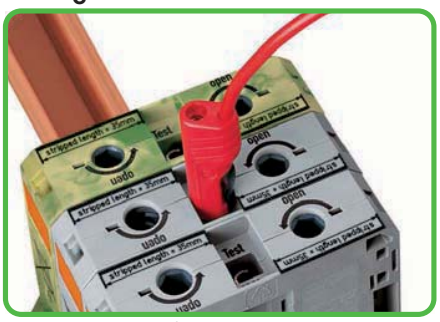
Counter-clockwise rotation using a hex wrench. Orange latch holds clamp open.

Commoning



Commoning adjacent terminal blocks with adjacent jumper. Tool-free insertion of jumper above the conductor entry hole.
Rated cross section is still 95 mm²/AWG 4/0.

Testing

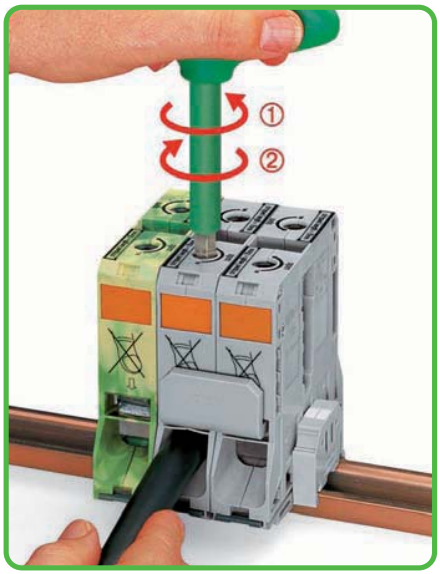


Testing with touchproof test plugs 4 mm Ø.
(not offered by WAGO – e.g., mfd by Multi-Contact Deutschland GmbH)

Conductor termination

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

Conductor termination

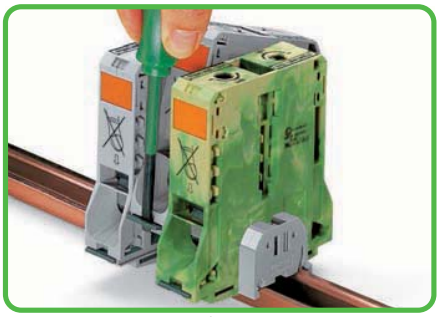


. . . A small counter-clockwise rotation releases the latch ①. Once the hex wrench ② has been removed the conductor is clamped safely.

Assembly

Snapping a terminal block onto the carrier rail.
From the left or from the right.

Removal



Removing a terminal block from the assembly.
To the left or to the right.

POWER CAGE CLAMP clamps the following copper conductors:* solid

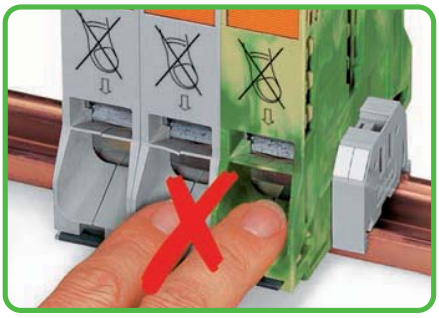
stranded

fine-stranded, also with tinned single strand

* For aluminum conductors, see notes in Section 14.

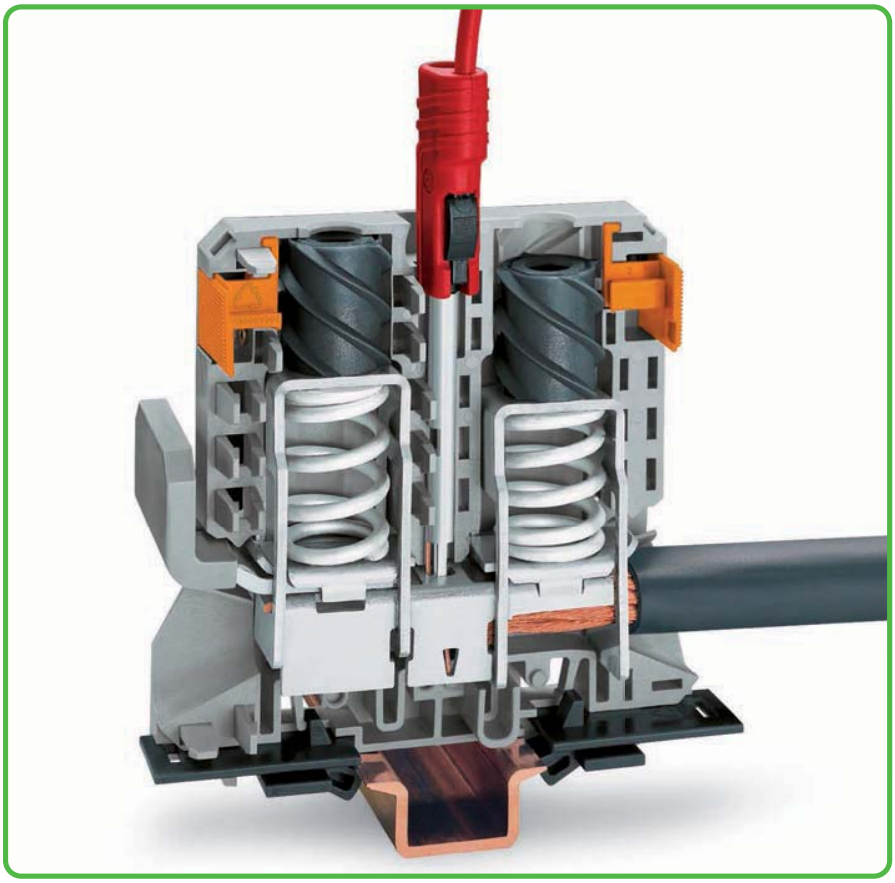
Safety notes

Bend the conductor before stripping!
Conductor end has to be straight!
Note: Strip length 35 mm/1.38 in.



Caution! Health hazard!
Keep your fingers out of the conductor entry hole!

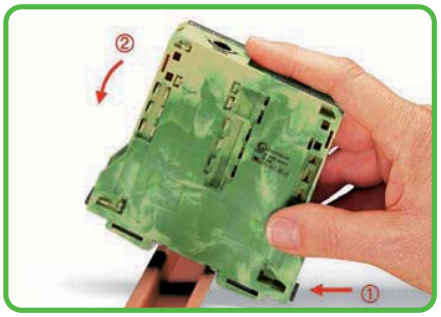
Protective warning marker may indicate:
Caution! Power is still on even after switching off the main switch!



Grounding foot

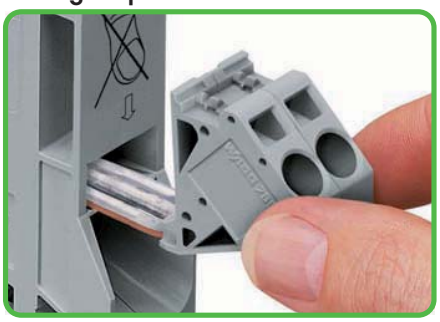
Contact pressure is distributed evenly among all defined contact zones.
Short circuit currents of more than 11,400A per second are grounded safely.

Ground conductor terminal blocks



Firmly snap ground conductor terminal block onto the carrier rail. The grounding foot makes an automatic contact to the rail.

Voltage tap



Reliably and easily tap directly onto the power supply. Insert the unwired tap before opening the pressure spring.

fine-stranded,
with ferrule
(gastight crimped)

Touchproof protection

Covers provide touchproof safety by shielding unused conductor entries and jumper contact slots (detach the cover of the jumper contact slot from the touchproof cover of the conductor entry).