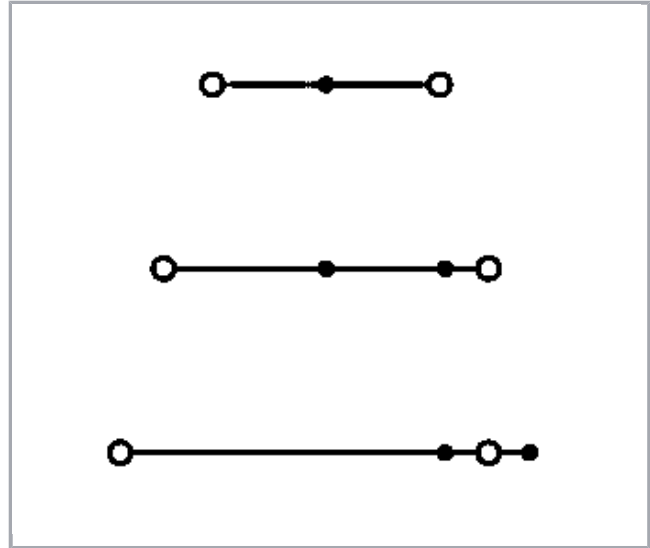
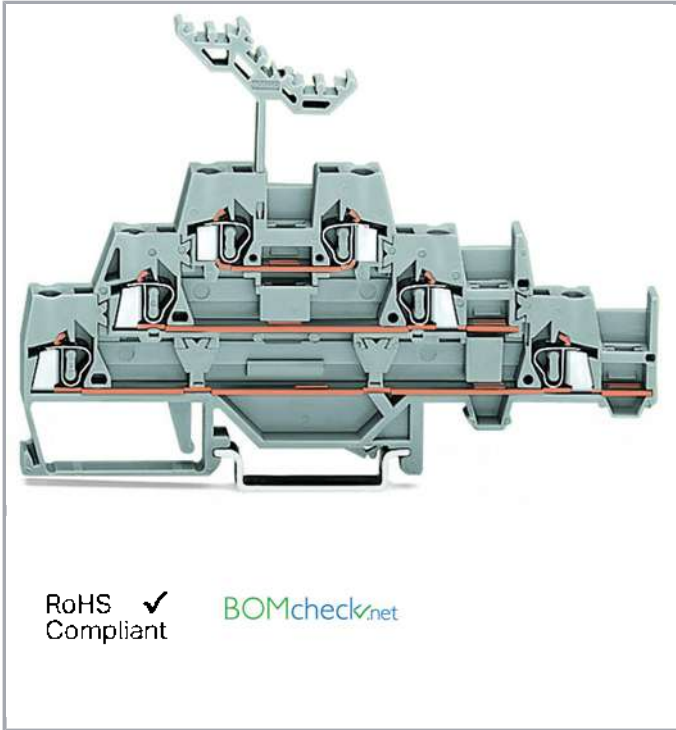


Data sheet | Item number: 280-508

Triple-deck terminal block; Through/through/through terminal block; with additional jumper position on lower level; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray/gray/blue

www.wago.com/280-508



Item description

Note:

Terminating Aluminum Conductors

WAGO spring clamp terminal blocks are suitable for solid aluminum conductors up to 4 mm²/12 AWG if WAGO "Alu-Plus" Contact Paste is used for termination.

"Alu-Plus" Contact Paste Advantages:

- Automatically destroys the oxide film during clamping.
- Prevents fresh oxidation at the clamping point.
- Prevents electrolytic corrosion between aluminum and copper conductors (in the same terminal block).
- Provides long-term protection against corrosion.

Using terminal blocks with CAGE CLAMP® Spring Pressure Connection Technology, **aluminum conductors must first be cleaned with a blade** and then immediately be inserted into the clamping units filled with "Alu-Plus" Contact Paste.

Subject to changes. Please also observe the further product documentation!

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



It is also possible to apply WAGO "Alu-Plus" **additionally** on the whole surface of the aluminum conductor before termination.

Please note that the nominal currents must be adapted to the reduced conductivity of the aluminum conductors::

2.5 mm² = 16 A

4 mm² = 22 A

Data

Electrical data

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60947-7-1
Rated voltage (III / 3)	500 V
Rated impulse voltage (III / 3)	6 kV
Rated current	20 A
Legend (ratings)	(III / 3) $\hat{=}$ Overvoltage category III / Pollution degree 3

Connection data

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper Aluminum
Solid conductor	0,08 ... 2,5 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0,08 ... 2,5 mm ² / 28 ... 12 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Total number of connection points	6
Total number of potentials	3
Number of levels	3
Type of wiring	Front-entry wiring
Note (conductor cross-section)	12 AWG: THHN, THWN

Geometrical Data

Width	5 mm / 0.197 inch
Height from upper-edge of DIN-35 rail	76,5 mm / 3.012 inch
Depth	113 mm / 4.449 inch

Mechanical data

Design	horizontal type
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Type of mounting	DIN-35 rail
Marking level	Center marking

Material Data

Color	gray/gray/blue
Insulating material	Polyamide 66 (PA 66)
Weight	18.5 g




Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4055143562928
Customs Tariff No.	85369010000

Counterpart

Compatible products

tools

	Item no.: 210-657 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short	www.wago.com/210-657
	Item no.: 210-658 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short	www.wago.com/210-658
	Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft	www.wago.com/210-720

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 2.1 MB	Download
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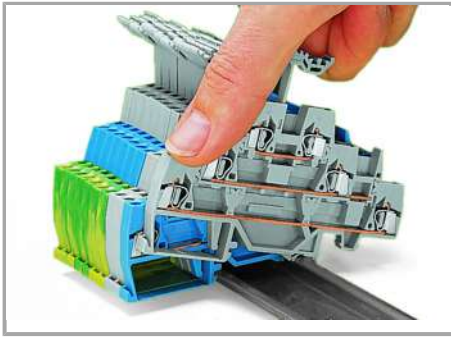
Installation Notes

Assembly

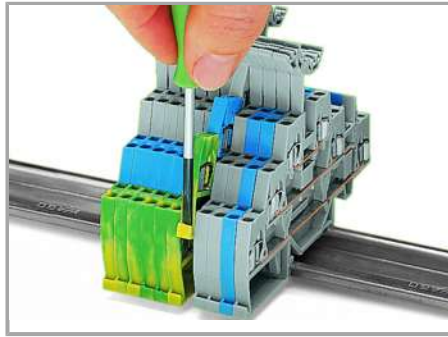
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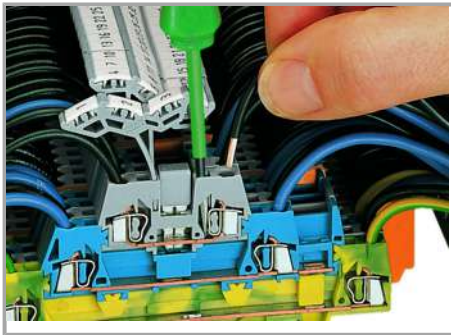


Snapping a terminal block onto the carrier rail.



Removing a terminal block from the assembly.

Inserting a conductor



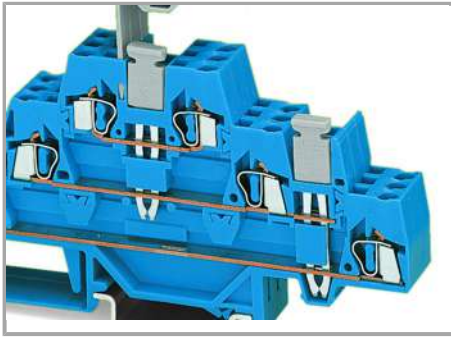
CAGE CLAMP® connection

Inserting a conductor.

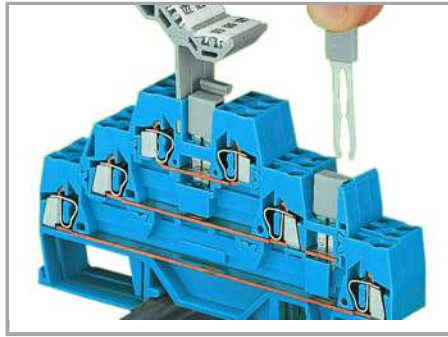
When using ferrules, the max. conductor cross section accommodated is one size smaller than max. rating of terminal block.

Jumpered

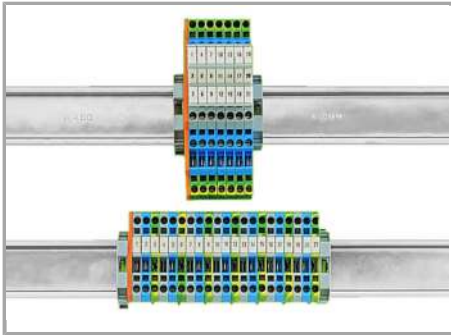
Subject to changes. Please also observe the further product documentation!



A vertical jumper allows commoning of the upper and lower levels, providing a 6-conductor feedthrough terminal block in one housing. Two adjacent triple-deck terminal blocks may be commoned together on the same level using a push-in adjacent jumper.

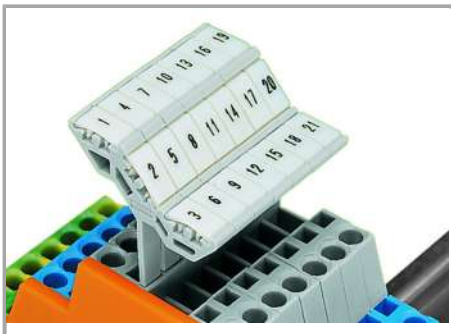


Combining vertical and adjacent jumpers.



Save 67 % of rail space via triple-deck terminal blocks.

Marking



Labeling via WMB Multi Marking System.

Subject to changes. Please also observe the further product documentation!