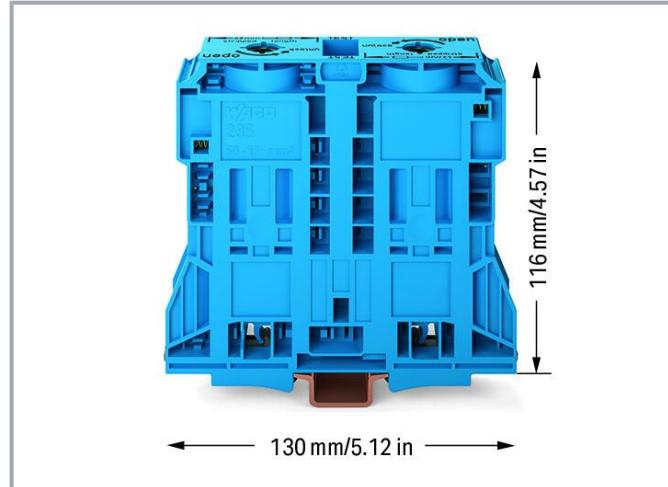
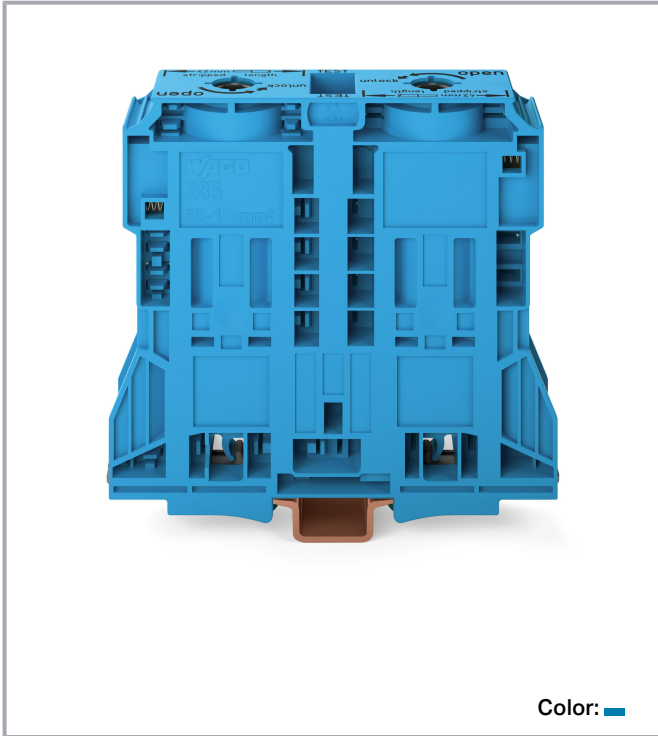


Data sheet | Item number: 285-1184

2-conductor through terminal block; 185 mm²; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 185,00 mm²; blue



www.wago.com/285-1184



Data

Electrical data

Ratings per IEC/EN

| | |
|-------------------------------|---|
| Ratings per | IEC/EN 60947-7-1 |
| Nominal voltage (III/3) | 1000 V |
| Rated impulse voltage (III/3) | 12 kV |
| Rated current | 353 A |
| Legend (ratings) | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

Ratings per IEC/EN 2

| | |
|-------------------------------|--------|
| Rated voltage (III/3) 2 | 1500 V |
| Rated surge voltage (III/3) 2 | 12 kV |

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

WAGO GmbH & Co. KG
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32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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

Ratings per UL 1059

| | |
|--------------------------------|---------|
| Approvals per | UL 1059 |
| Rated voltage UL (Use Group B) | 600 V |
| Rated current UL (Use Group B) | 310 A |
| Rated voltage UL (Use Group C) | 600 V |
| Rated current UL (Use Group C) | 310 A |

Ratings per CSA

| | |
|---------------------------------|-----------------|
| Approvals per | CSA 22.2 No 158 |
| Rated voltage CSA (Use Group B) | 1000 V |
| Rated current CSA (Use Group B) | 310 A |
| Rated voltage CSA (Use Group C) | 1000 V |
| Rated current CSA (Use Group D) | 310 A |

Power loss

| | |
|--|------------|
| Power loss, per pole (potential) | 11.215 W |
| Rated current I_N for specified power loss | 353 A |
| Resistance value for specified, current-dependent power loss | 9 Ω |

General

| | |
|----------------|-------|
| Voltage type 1 | AC/DC |
| Voltage type 2 | DC |

Connection data

| | |
|----------------------------|---|
| Connection points | 2 |
| Total number of potentials | 1 |
| Number of levels | 1 |
| Number of jumper slots | 2 |

Connection 1

| | |
|---------------------------------|--|
| Connection technology | POWER CAGE CLAMP |
| Actuation type | T-wrench; 8 mm |
| Connectable conductor materials | Copper |
| Nominal cross-section | 185 mm ² / 350 kcmil |
| Solid conductor | 50 ... 185 mm ² / 1/0 AWG ... 350 kcmil |

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



| | |
|---|--|
| Stranded conductor | 50 ... 185 mm ² / 1/0 AWG ... 350 kcmil |
| Fine-stranded conductor | 50 ... 185 mm ² / 1/0 AWG ... 350 kcmil |
| Fine-stranded conductor; with insulated ferrule | 50 ... 150 mm ² / 1/0 AWG ... 300 kcmil |
| Fine-stranded conductor; with uninsulated ferrule | 50 ... 185 mm ² / 1/0 AWG ... 350 kcmil |
| Strip length | 45 ... 47 mm / 1.77 ... 1.85 inches |
| Wiring direction | Side-entry wiring |

Physical data

| | |
|-----------------------------------|-----------------------|
| Width | 32 mm / 1.26 inches |
| Height | 130 mm / 5.118 inches |
| Depth from upper-edge of DIN-rail | 116 mm / 4.567 inches |

Mechanical Data

| | |
|-----------------|------------------------------------|
| Mounting type | DIN-rail 35 x 15 |
| Mounting (note) | only suitable for DIN 35 x 15 rail |
| Marking level | Side marking |

Material Data

| | |
|-----------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | blue |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 5.832 MJ |
| Weight | 535.2 g |

Environmental requirements

| | |
|----------------------------------|-----------------|
| Processing temperature | -35 ... +85 °C |
| Continuous operating temperature | -60 ... +105 °C |

Commercial data

| | |
|---------------|----------------------------------|
| Product Group | 1 (Rail Mounted Terminal Blocks) |
| eCl@ss 10.0 | 27-14-11-20 |
| eCl@ss 9.0 | 27-14-11-20 |
| ETIM 8.0 | EC000897 |

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





| | |
|-----------------------|---------------|
| ETIM 7.0 | EC000897 |
| PU (SPU) | 5 pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4055143067058 |
| Customs tariff number | 85369010000 |

Environmental Product Compliance



| | |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

Approvals / Certificates

General approvals



| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------------|--------------------------|------------------|
|  | CCA DEKRA Certification B.V. | EN 60947 | NTR NL 7965 |
|  | CSA DEKRA Certification B.V. | C22.2 No. 158 | 154112 |
|  | KEMA/KEUR DEKRA Certification B.V. | EN 60947 | 71- 126013 |
|  | UL Underwriters Laboratories Inc. | UL 1059 | E45172 |

Declarations of conformity and manufacturer's declarations

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |
|  | UK-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

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

Approvals for marine applications

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---|--------------------------|--------------------------|
|  | ABS American Bureau of Shipping | EN 60947 | 20- HG1941090- PDA |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001V2 |

Optional accessories

Voltage tap

Power tap



Item no.: 285-1175
Power tap; for 185 mm² high-current terminal blocks; 10,00 mm²; gray

www.wago.com/285-1175

Tool

Operating tool



Item no.: 285-172
Allen wrench; with a partially insulated shaft; green

www.wago.com/285-172



Item no.: 285-173
Allen wrench; with a partially insulated shaft; with anti-rotation protection; green

www.wago.com/285-173

Protective warning marker

Cover



Item no.: 285-1177
Protective warning marker; with high-voltage symbol, black; yellow

www.wago.com/285-1177



Item no.: 285-1176
Protective warning marker; yellow

www.wago.com/285-1176

Jumpers

Jumper




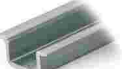
Item no.: 285-1171
Jumper; insulated; gray

www.wago.com/285-1171

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



Carrier rail

Mounting accessories

| | | |
|--|---|--|
|  | Item no.: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored | www.wago.com/210-198 |
|  | Item no.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored | www.wago.com/210-118 |


Ferrule

Ferrule

| | | |
|--|---|--|
|  | Item no.: 216-413 Ferrule; Sleeve for 25 mm ² / AWG 4; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored | www.wago.com/216-413 |
|  | Item no.: 216-414 Ferrule; Sleeve for 35 mm ² / AWG 2; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored | www.wago.com/216-414 |
|  | Item no.: 216-425 Ferrule; Sleeve for 50 mm ² / AWG 1; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 | www.wago.com/216-425 |
|  | Item no.: 216-424 Ferrule; Sleeve for 35 mm ² / AWG 2; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored | www.wago.com/216-424 |
|  | Item no.: 216-435 Ferrule; Sleeve for 50 mm ² / AWG 1; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 | www.wago.com/216-435 |


Cover

Cover

| | | |
|---|--|--|
|  | Item no.: 285-1178 Finger guard; touchproof cover protects unused conductor entries and jumper slots; for 185 mm ² high-current terminal blocks; yellow | www.wago.com/285-1178 |
|---|--|--|


Current and Voltage Taps

Current and voltage tap


| | | |
|--|--|--|
|  | Item no.: 855-1851/350-000 Current and voltage tap up to 185 mm ² ; Primary rated current: 350 A; Secondary rated current: 1 A; Rated power: 0.2 VA; Accuracy class: 0.5; fused | www.wago.com/855-1851/350-000 |
|--|--|--|

Marking accessories












Marking strip

| | | |
|--|--|--|
|  | Item no.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white | www.wago.com/2009-110 |
|--|--|--|

Marker

| | | |
|--|--|--|
|  | Item no.: 2009-115/000-002 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow | www.wago.com/2009-115/000-002 |
|--|--|--|

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

| | | |
|--|--|--|
|  | <p>Item no.: 2009-115/000-007 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray</p> | www.wago.com/2009-115/000-007 |
|  | <p>Item no.: 2009-115/000-017 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green</p> | www.wago.com/2009-115/000-017 |
|  | <p>Item no.: 2009-115/000-023 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green</p> | www.wago.com/2009-115/000-023 |
|  | <p>Item no.: 2009-115/000-024 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet</p> | www.wago.com/2009-115/000-024 |
|  | <p>Item no.: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p> | www.wago.com/2009-115 |
|  | <p>Item no.: 793-5501/000-007 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray</p> | www.wago.com/793-5501/000-007 |
|  | <p>Item no.: 793-5501/000-012 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange</p> | www.wago.com/793-5501/000-012 |
|  | <p>Item no.: 793-5501/000-014 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown</p> | www.wago.com/793-5501/000-014 |
|  | <p>Item no.: 793-5501/000-017 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green</p> | www.wago.com/793-5501/000-017 |
|  | <p>Item no.: 793-5501/000-023 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green</p> | www.wago.com/793-5501/000-023 |
|  | <p>Item no.: 793-5501/000-024 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet</p> | www.wago.com/793-5501/000-024 |

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



Item no.: 793-501/000-002
WMB marking card; as card; not stretchable; plain; snap-on type; yellow

www.wago.com/793-501/000-002



Item no.: 793-501/000-007
WMB marking card; as card; not stretchable; plain; snap-on type; gray

www.wago.com/793-501/000-007



Item no.: 793-501/000-017
WMB marking card; as card; not stretchable; plain; snap-on type; light green

www.wago.com/793-501/000-017



Item no.: 793-501/000-012
WMB marking card; as card; not stretchable; plain; snap-on type; orange

www.wago.com/793-501/000-012



Item no.: 793-501/000-023
WMB marking card; as card; not stretchable; plain; snap-on type; green

www.wago.com/793-501/000-023



Item no.: 793-501/000-006
WMB marking card; as card; not stretchable; plain; snap-on type; blue

www.wago.com/793-501/000-006



Item no.: 793-501/000-005
WMB marking card; as card; not stretchable; plain; snap-on type; red

www.wago.com/793-501/000-005



Item no.: 793-501
WMB marking card; as card; not stretchable; plain; snap-on type; white

www.wago.com/793-501



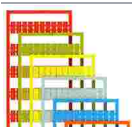
Item no.: 793-501/000-024
WMB marking card; as card; not stretchable; plain; snap-on type; violet

www.wago.com/793-501/000-024



Item no.: 793-5501/000-005
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red

www.wago.com/793-5501/000-005



Item no.: 793-5501/000-002
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

www.wago.com/793-5501/000-002

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



Item no.: 793-5501/000-006

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue www.wago.com/793-5501/000-006



Item no.: 793-5501

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white www.wago.com/793-5501



Item no.: 2009-115/000-012

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange www.wago.com/2009-115/000-012



Item no.: 2009-115/000-006

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue www.wago.com/2009-115/000-006



Item no.: 2009-115/000-005

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red www.wago.com/2009-115/000-005

Mounting

Mounting accessories



Item no.: 249-197

Screwless end stop; 14 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray www.wago.com/249-197



Item no.: 285-1179

Fixing element; for 185 mm² high-current terminal blocks; orange www.wago.com/285-1179

Downloads

Documentation

Bid Text

| | | | |
|-------------------------|-------------|----------------|----------|
| 285-1184 X81 - Datei | 2019 Feb 19 | xml 4.0 kB | Download |
| 285-1184 doc - Datei | 2018 Jan 4 | doc 26.1 kB | Download |

Additional Information

| | | | |
|---|--|---------------|----------|
| Technical Section Technical explanations | | pdf 2.2 MB | Download |
|---|--|---------------|----------|

CAD/CAE-Data

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

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CAD data

| | | |
|-----------------------|---------------------|--------------------------|
| 2D/3D Models 285-1184 | URL | Download |
|-----------------------|---------------------|--------------------------|

CAE data

| | | |
|-------------------------|---------------------|--------------------------|
| WSCAD Universe 285-1184 | URL | Download |
|-------------------------|---------------------|--------------------------|

| | | |
|----------------------------|---------------------|--------------------------|
| EPLAN Data Portal 285-1184 | URL | Download |
|----------------------------|---------------------|--------------------------|

| | | |
|-----------------------|---------------------|--------------------------|
| ZUKEN Portal 285-1184 | URL | Download |
|-----------------------|---------------------|--------------------------|

Environmental Product Compliance

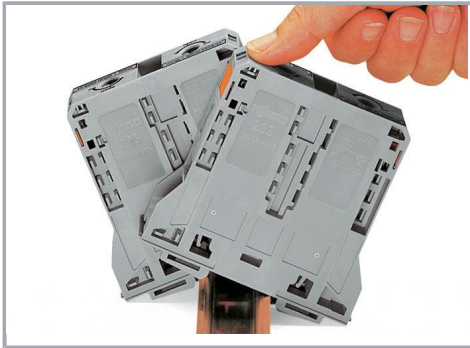
Compliance Search

| | | |
|---|---------------------|--------------------------|
| Environmental Product Compliance 285-1184 | URL | Download |
|---|---------------------|--------------------------|

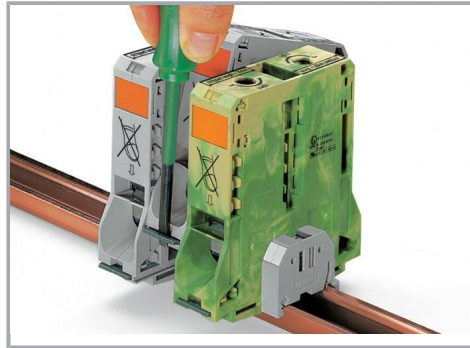
2-conductor through terminal block; 185 mm²; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 185,00 mm²; blue

Installation Notes

Installation



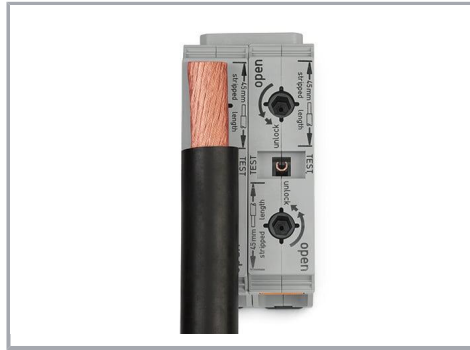
Snapping a terminal block onto DIN-rail (to the left or to the right).



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

Conductor termination

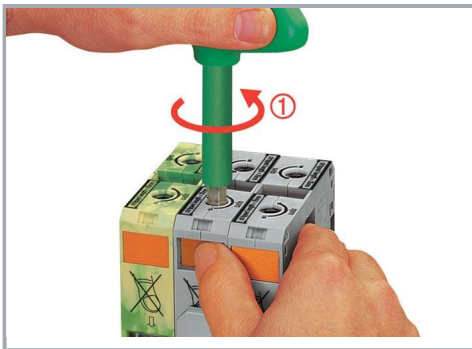
Subject to changes. Please also observe the further product documentation!



For the optimal clamping force:

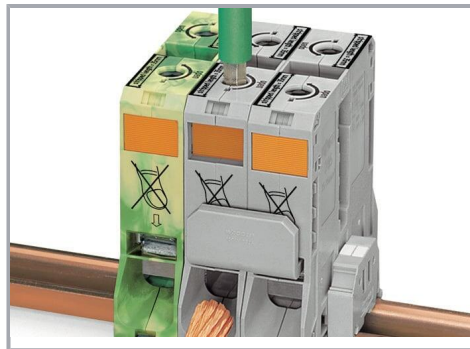
- Bend conductor
- Cut conductor to length (conductor end must be straight)
- Strip conductor

Always observe the on-unit printed strip length guide!



Conductor termination – step 1:

Rotate the T-wrench counter-clockwise to the stop. Next, push in the orange locking tab. The clamp is locked open for hands-free wiring.



Conductor termination – step 2:

Insert a stripped conductor into the clamping unit until it hits the backstop. Hold in this position.

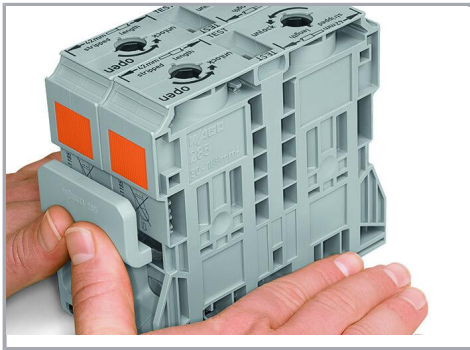
Subject to changes. Please also observe the further product documentation!



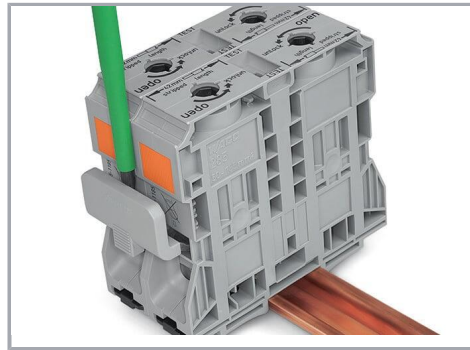
Conductor termination – step 3:

A short counter-clockwise rotation releases the tab. When unlocked, the T-wrench rotates clockwise, securely clamping the conductor.

Commoning



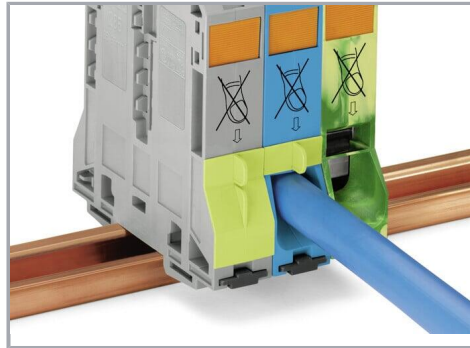
Commoning with an adjacent jumper: insert the jumper above the conductor entry hole – prior to conductor termination. The nominal cross-section remains unchanged.



Removing jumper via operating tool.

Cover

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

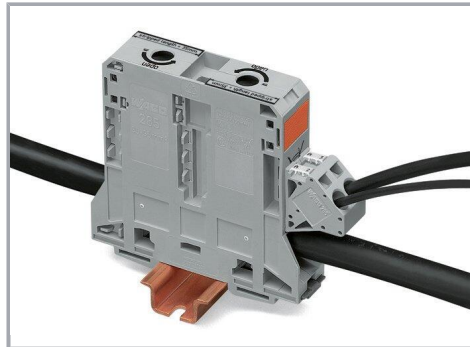
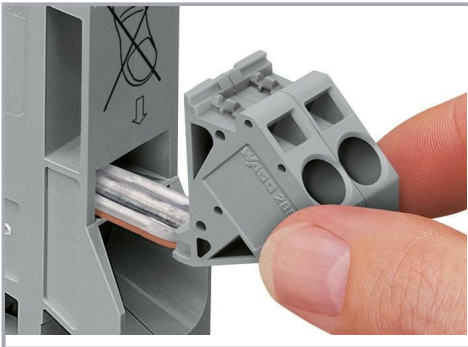


Protective warning marker may indicate:

Notice: Power is still on even after switching off the main switch!

Yellow, detachable finger guards provide touch-proof safety by shielding jumper contact slots and/or unused conductor entries.

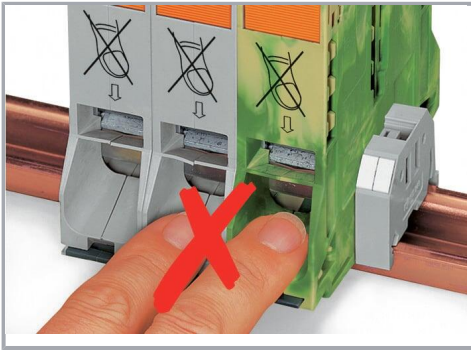
Power tap



Easily and consistently tap directly into the power supply. Insert the unwired tap before opening the clamping unit.

Security

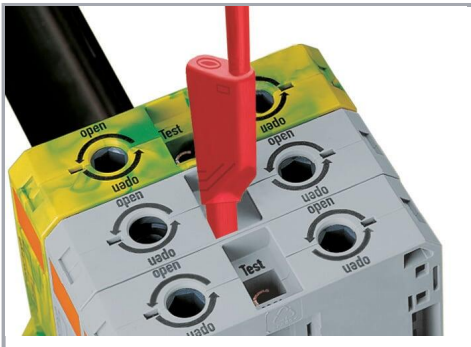
Subject to changes. Please also observe the further product documentation!



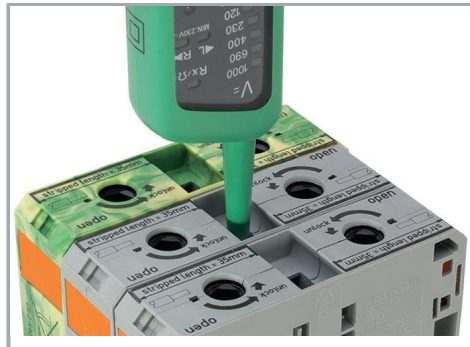
Risk of Injury!

Do not insert fingers in the conductor entry!

Testing



Testing via touch-proof 4 mm Ø test plugs (not available from WAGO, but offered by industry suppliers such as, Multi-Contact Deutschland GmbH).

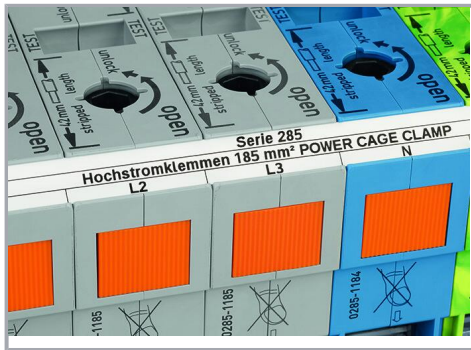


Testing

Voltage measurements can be performed, e.g., using a 2-pole voltage tester (206-707).

Marking

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



In addition to WMB markers, marking strips can be directly applied to 185 mm² (350 kcmil) high-current terminal blocks.

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

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