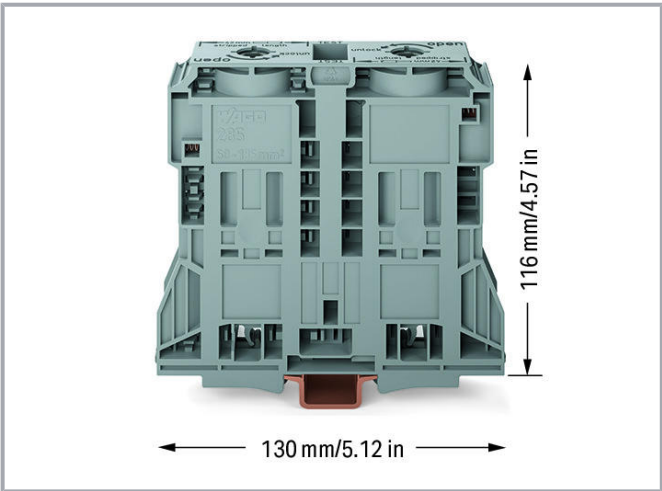
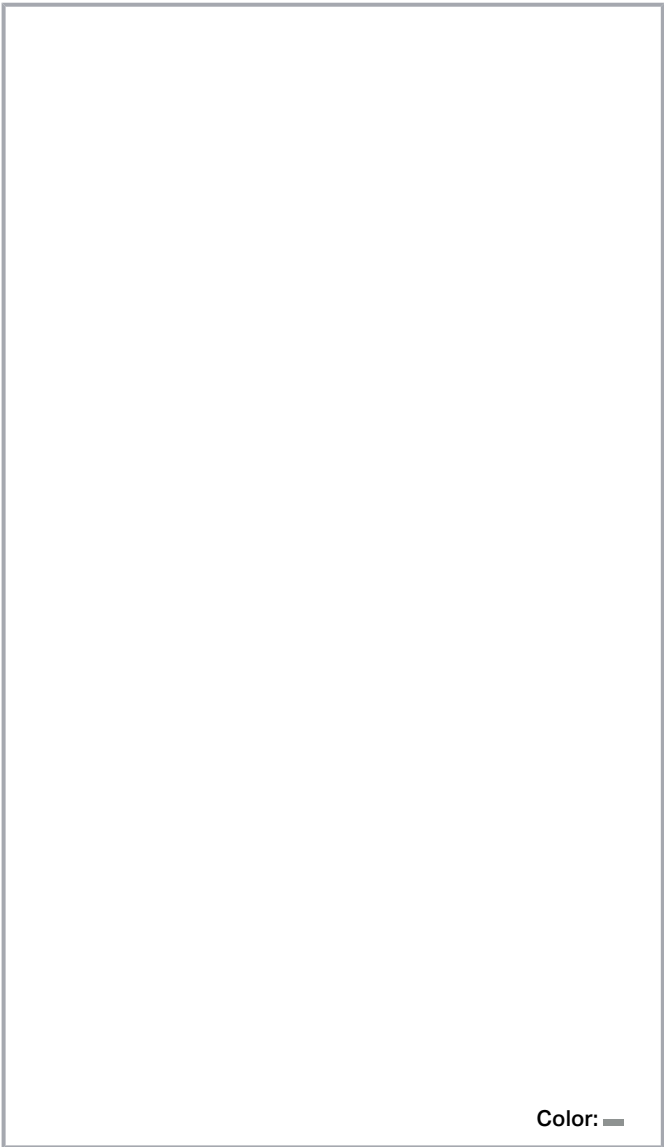


Data sheet | Item number: 285-1185
2-conductor through terminal block; 185 mm²; lateral marker slots; only for
DIN 35 x 15 rail; POWER CAGE CLAMP; 185,00 mm²; gray

www.wago.com/285-1185



Data
Electrical data

Voltage type 1	AC/DC
Voltage type 2	DC

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

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Ratings per IEC/EN

Ratings per	IEC/EN 60947-7-1
Nominal voltage (III/3)	1000 V
Rated surge voltage (III/3)	12 kV
Rated current	353 A
Rated voltage (III/3) 2	1500 V
Rated surge voltage (III/3) 2	12 kV
Legend (ratings)	(III / 3) $\hat{=}$ Overvoltage category III / Pollution degree 3

Ratings per UL

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	C22.2 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

Connection data

Total number of connection points	2
Total number of potentials	1
Number of levels	1

Connection 1

Connection technology	POWER CAGE CLAMP
Actuation type	Operating tool
Connectable conductor materials	Copper
Nominal cross-section	185 mm ²
Solid conductor	50 ... 185 mm ² / 1/0 AWG ... 350 kcmil
Stranded conductor	50 ... 185 mm ² / 1/0 AWG ... 350 kcmil

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

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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 inch
Wiring direction	Side-entry wiring

Physical data

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

Mechanical data

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

Material data

Note on material data	Information on material data can be found here
Color	gray
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	5.23 MJ
Weight	534.9 g

Commercial data

Product Group	1 (Rail Mounted Terminal Blocks)
PU (SPU)	5 Stück
Packaging type	box
Country of origin	DE
GTIN	4055143067065
Customs tariff number	85369010000

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
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CCA	CCA DEKRA Certification B.V.	EN 60947	NTR NL 7648
KEMA	CCA DEKRA Certification B.V.	EN 60947	2194773.01
CSA	CSA DEKRA Certification B.V.	C22.2 No. 158	154112

Ship Approvals

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

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 1059	E45172

Optional accessories

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

Current and voltage tap

Current and voltage tap

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

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**Item no.: 855-1851/350-000**

Current and voltage tap up to 185 mm²; 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

Ferrule

Ferrule

Item no.: 216-413

Ferrule; Sleeve for 25 mm² / 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 mm² / 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 mm² / 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 mm² / 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 mm² / AWG 1; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

www.wago.com/216-435

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

Jumpers

Jumper

Item no.: 285-1171

Jumper; insulated; gray

www.wago.com/285-1171

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

Cover

Cover

**Item no.: 285-1178**

Finger guard; touchproof cover protects unused conductor entries and jumper slots; for 185 mm² high- www.wago.com/285-1178

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current terminal blocks; yellow

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**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**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

www.wago.com/2009-115/000-007**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

www.wago.com/2009-115/000-017**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

www.wago.com/2009-115/000-023**Item no.: 2009-115/000-024**

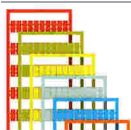
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

www.wago.com/2009-115/000-024**Item no.: 2009-115**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

www.wago.com/2009-115**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

www.wago.com/793-5501/000-007**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

www.wago.com/793-5501/000-012

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

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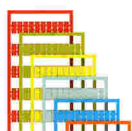
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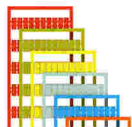
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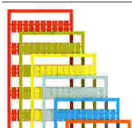
Item no.: 793-5501/000-014

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown www.wago.com/793-5501/000-014



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; green www.wago.com/793-5501/000-017



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; light green www.wago.com/793-5501/000-023



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 www.wago.com/793-5501/000-024



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



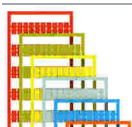
Item no.: 793-501/000-007

WMB marking card; as card; not stretchable; plain; snap-on type; gray www.wago.com/793-501/000-007



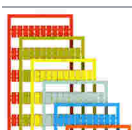
Item no.: 793-501/000-017

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



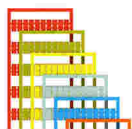
Item no.: 793-501/000-006

WMB marking card; as card; not stretchable; plain; snap-on type; blue www.wago.com/793-501/000-006

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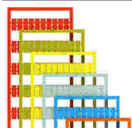
Item no.: 793-501/000-005
WMB marking card; as card; not stretchable; plain; snap-on type; red

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



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

Power 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

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



Downloads

Documentation

Bid Text

285-1185 X81 - Datei	Feb 19, 2019	xml 4.0 kB	Download
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285-1185 doc - Datei	Jan 4, 2018	doc 26.1 kB	Download
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Additional Information

Technical Section Technical explanations		pdf 2.2 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 285-1185	URL	Download
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CAE data

EPLAN Data Portal 285-1185	URL	Download
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WSCAD Universe 285-1185	URL	Download
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ZUKEN Portal 285-1185	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 285-1185 2-conductor through terminal block; 185 mm ² ; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 185,00 mm ² ; gray	URL	Download
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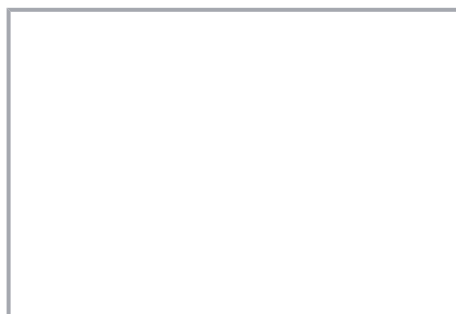
Installation Notes

Installation

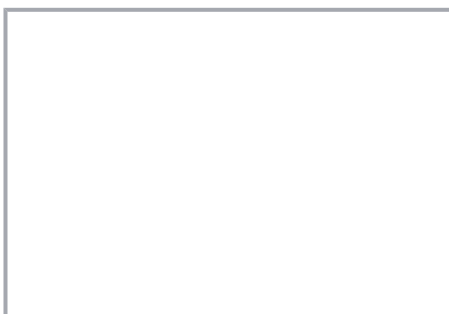
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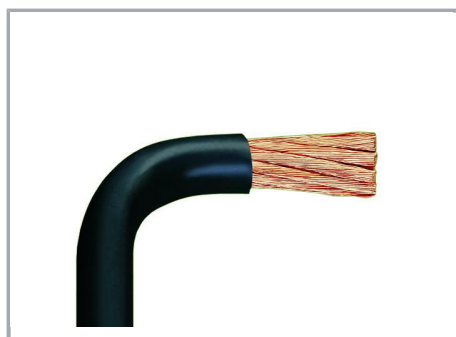


Snapping a terminal block onto DIN-rail (to the left or to the right).



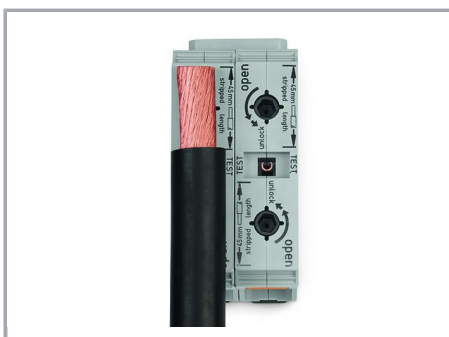
Removing a terminal block from the assembly (to the left or to the right).

Conductor termination

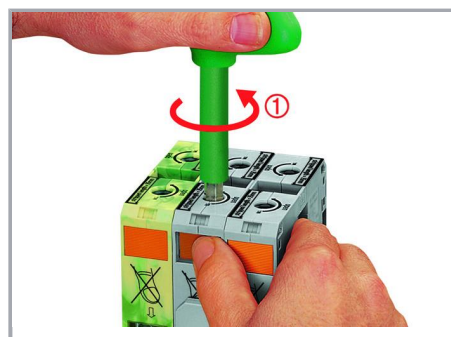


For the optimal clamping force:

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



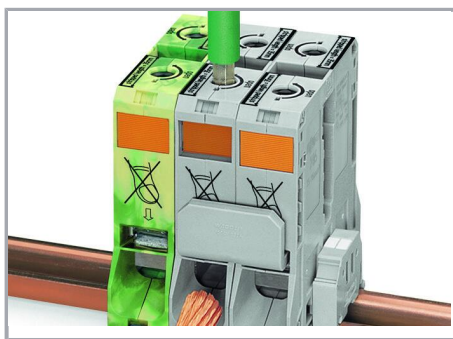
Always observe the on-unit printed strip length guide!



Conductor termination – step 1:

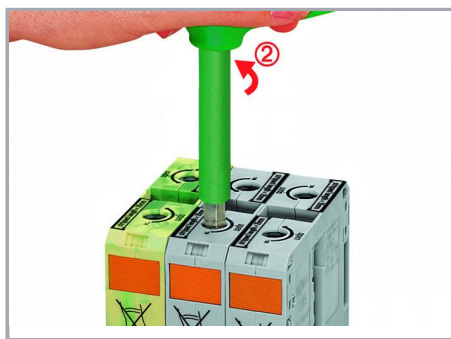
Rotate the T-wrench counter-clockwise to the stop . Next, push in the orange locking tab. The clamp is locked open for hands-free wiring.

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



Conductor termination – step 2:

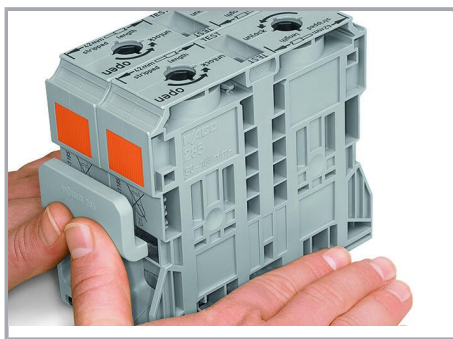
Insert a stripped conductor into the clamping unit until it hits the backstop. Hold in this position.



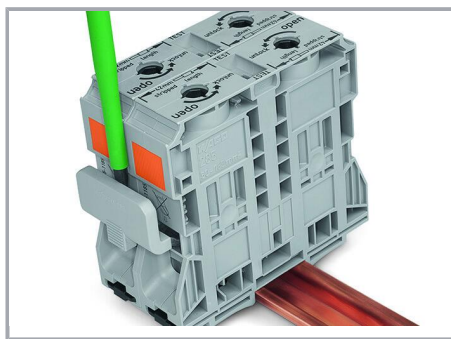
Conductor termination – step 3:

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!

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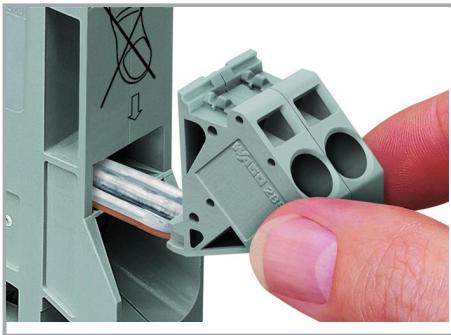


Protective warning marker may indicate:

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.

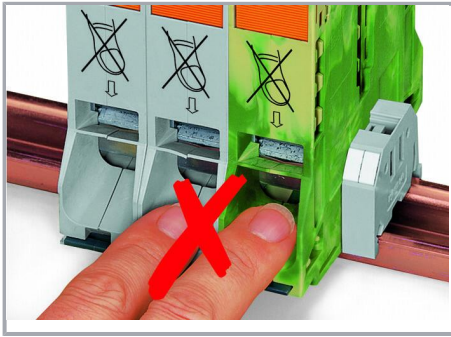
Power tap



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

Safety

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).



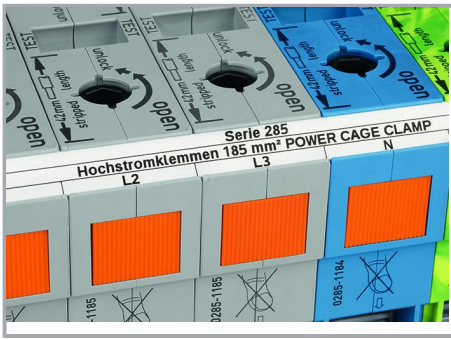
Testing

Marking

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

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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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