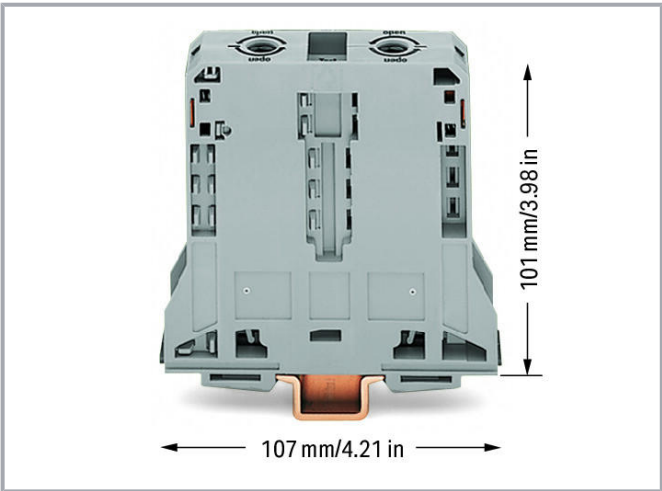
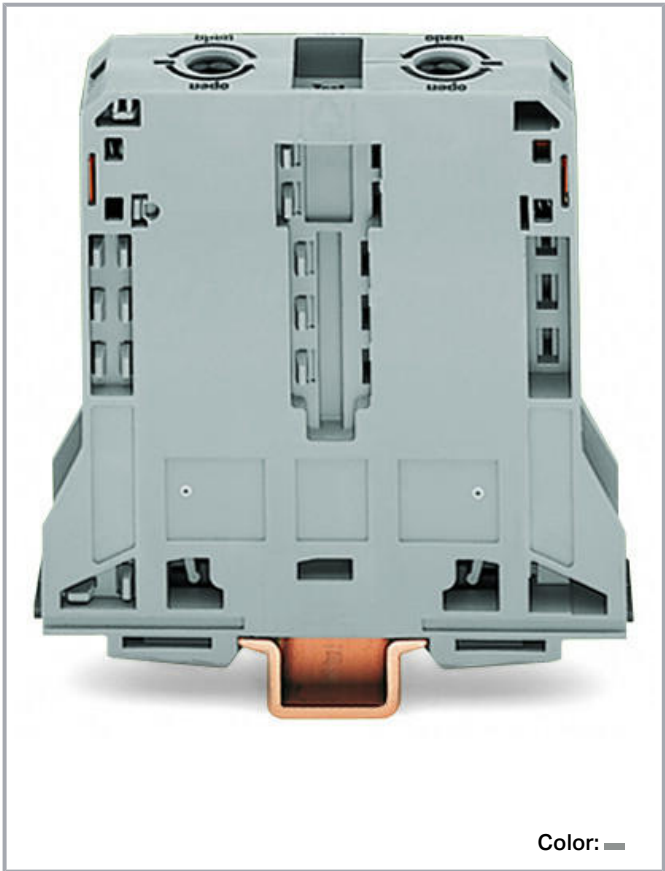


Data sheet | Item number: 285-195

2-conductor through terminal block; 95 mm²; lateral marker slots; only for
DIN 35 x 15 rail; POWER CAGE CLAMP; 95,00 mm²; gray

www.wago.com/285-195



Data

Electrical data

Voltage type 1	AC/DC
Voltage type 2	DC

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	232 A

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

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Rated voltage (III/3) 2	1500 V
Rated surge voltage (III/3) 2	12 kV
Legend (ratings)	(III / 3) $\triangleq$ 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)	200 A
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	200 A

Ratings per CSA

Approvals per	C22.2 No 158
Rated voltage CSA (Use Group B)	1000 V
Rated current CSA (Use Group B)	210 A
Rated voltage CSA (Use Group C)	1000 V
Rated current CSA (Use Group D)	210 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
Solid conductor	25 ... 95 mm ² / 4 ... 4/0 AWG
Stranded conductor	25 ... 95 mm ² / 4 ... 4/0 AWG
Fine-stranded conductor	25 ... 95 mm ² / 4 ... 4/0 AWG
Fine-stranded conductor; with insulated ferrule	25 ... 95 mm ² / 4 ... 4/0 AWG
Fine-stranded conductor; with uninsulated ferrule	25 ... 95 mm ² / 4 ... 4/0 AWG
Strip length	35 mm / 1.38 inch
Wiring direction	Side-entry wiring

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



Physical data

Width	25 mm / 0.984 inch
Height	107 mm / 4.213 inch
Depth from upper edge of DIN-rail	101 mm / 3.976 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	3.56 MJ
Weight	264.3 g

Environmental requirements

Processing temperature	-35 ... +105 °C
------------------------	-----------------

Commercial data

Product Group	1 (Rail Mounted Terminal Blocks)
PU (SPU)	5 Stück
Packaging type	box
Country of origin	PL
GTIN	4044918452564
Customs tariff number	85369010000

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA	EN 60947	NTR NL-

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

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DEKRA Certification B.V.

7707



CSA
 DEKRA Certification B.V.

C22.2 No. 158

154112



KEMA/KEUR
 DEKRA Certification B.V.

EN 60947

71-
 101911

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	EN 60947	20- HG1941090- PDA
	BV Bureau Veritas S.A.	EN 60947	07436/F0 BV
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
	LR Lloyds Register	EN 60947	91/20112 (E9)

UL-Approvals

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

Optional accessories

Ferrule

Ferrule

Item no.: 216-413

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

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

Carrier rail

Mounting accessories



Item no.: 210-197

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored

www.wago.com/210-197



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.: 210-506

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored

www.wago.com/210-506



Item no.: 210-508

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored

www.wago.com/210-508



Item no.: 210-114

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored

www.wago.com/210-114

Cover

Cover



Item no.: 285-169

Finger guard; touchproof cover protects unused conductor entries and jumper slots; for 95 mm² high-current tbs; yellow

www.wago.com/285-169

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

Marking accessories

Marker carrier

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

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**Item no.: 285-442**

Adaptor; gray

www.wago.com/285-442

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**

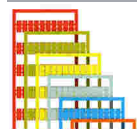
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www.wago.com/2009-115/000-023**Item no.: 2009-115/000-024**

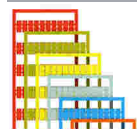
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

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**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**

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

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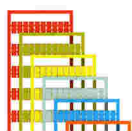
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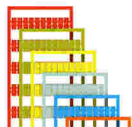
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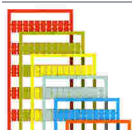
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WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green www.wago.com/793-5501/000-023



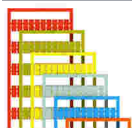
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Item no.: 793-501/000-002
WMB marking card; as card; not stretchable; plain; snap-on type; yellow www.wago.com/793-501/000-002



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

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

**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**Group marker carrier****Item no.: 249-105**

Group marker carrier; gray

www.wago.com/249-105**Power tap****Power tap****Item no.: 285-407**Power tap; for 95 mm² high-current tbs; 10,00 mm²; graywww.wago.com/285-407**Protective warning marker****Cover****Item no.: 285-170**

Protective warning marker; with high-voltage symbol, black; yellow

www.wago.com/285-170**Item no.: 285-175**

Protective warning marker; yellow

www.wago.com/285-175**Current and voltage tap****Current and voltage tap**

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

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**Item no.: 855-951/250-000**Current and voltage tap up to 95 mm²; Primary rated current: 250 A; Secondary rated current: 1 A; Rated power: 0.2 VA; Accuracy class: 0.5; fusedwww.wago.com/855-951/250-000**Jumpers**

Jumper

**Item no.: 285-495**

Jumper; insulated; gray

www.wago.com/285-495**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.: 285-168**Fixing element; for 95 mm² high-current terminal blocks; orangewww.wago.com/285-168**Downloads****Documentation****Bid Text**

285-195 X81 - Datei	Feb 19, 2019	xml 3.3 kB	Download
285-195 doc - Datei	Jan 4, 2018	doc 24.1 kB	Download

Additional Information

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

2D/3D Models 285-195	URL	Download
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CAE data

EPLAN Data Portal 285-195	URL	Download
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Subject to changes. Please also observe the further product documentation!

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WSCAD Universe 285-195

[URL](#)

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ZUKEN Portal 285-195

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 285-195

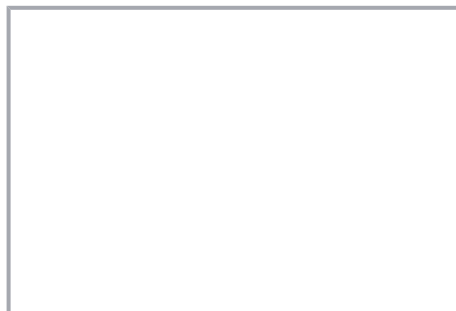
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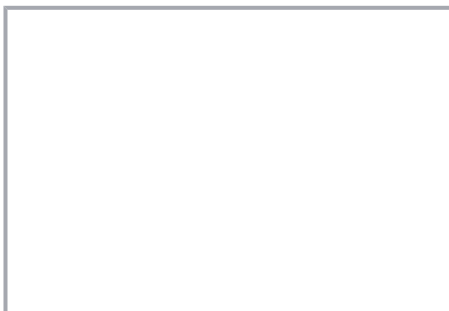
2-conductor through terminal block; 95 mm²; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 95,00 mm²; gray

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!

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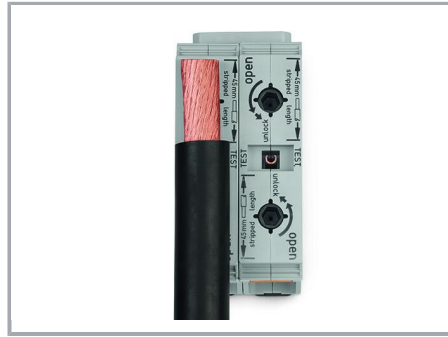
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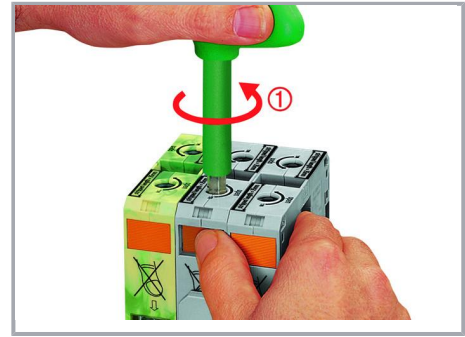


For the optimal clamping force:

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



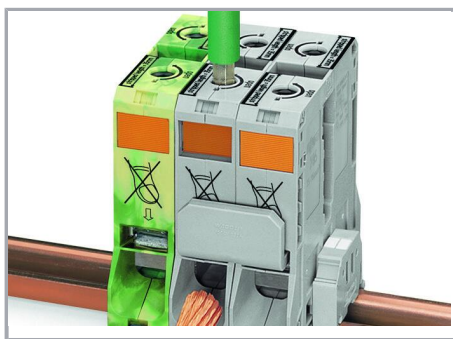
Always observe the on-unit printed strip length guide!



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:

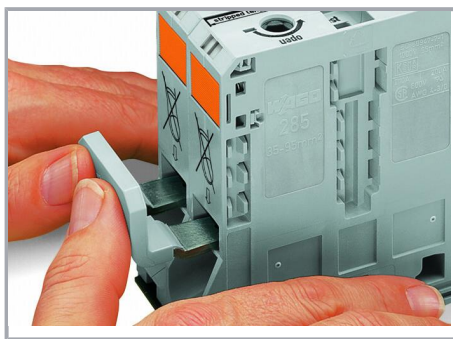
Insert a stripped conductor into the clamping unit until it hits the backstop. Hold in this position.



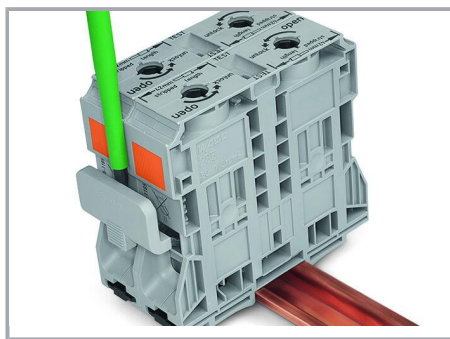
Conductor termination – step 3:

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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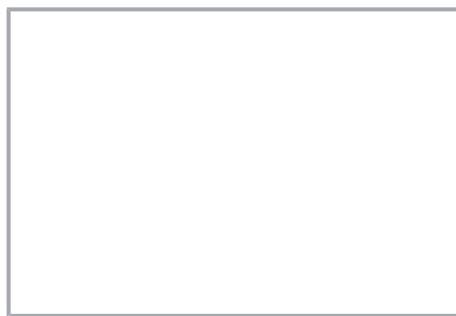
Protective warning marker may indicate:

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

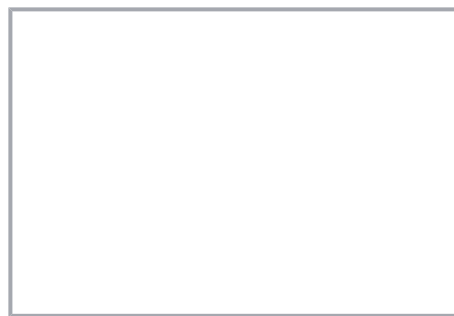
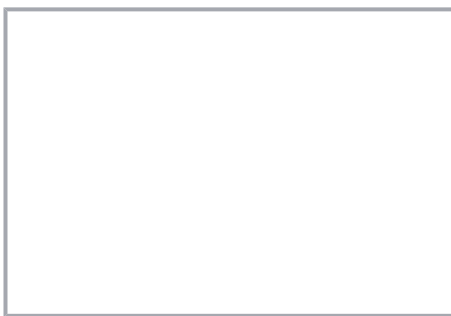


Yellow, detachable finger guards provide touch-proof safety by shielding jumper contact slots and/or unused conductor entries.

Power tap

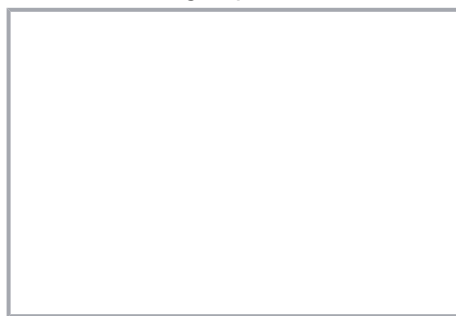


Easily and consistently tap directly into the power supply. Insert the unwired tap before opening the clamping unit.



The power taps enable the distribution of the L1, L2 and L3 potentials. The warning covers and finger guards ensure IP20 touch-proof protection.

Current and voltage tap



Installation via jumper slot



Feedthrough for primary conductors



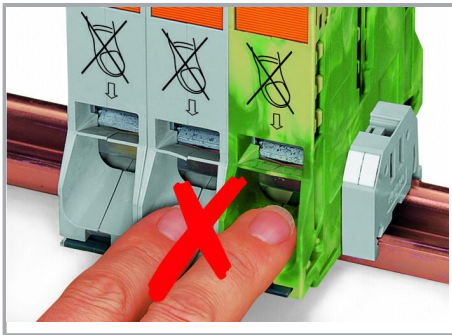
Push-in CAGE CLAMP® connection technology

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



Integrated fuse

Safety



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

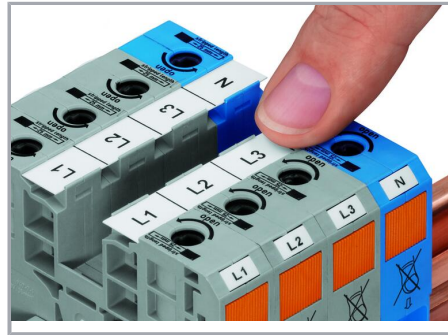
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Marker carrier for marking strips (2009-110)
or 2 WMB markers for 285-13x, 285-15x and
285-19x Terminal Blocks



WMB markers or self-adhesive, printable
marking strips can be accommodated on 35,
50 and 95 mm² high-current terminal blocks.

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

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