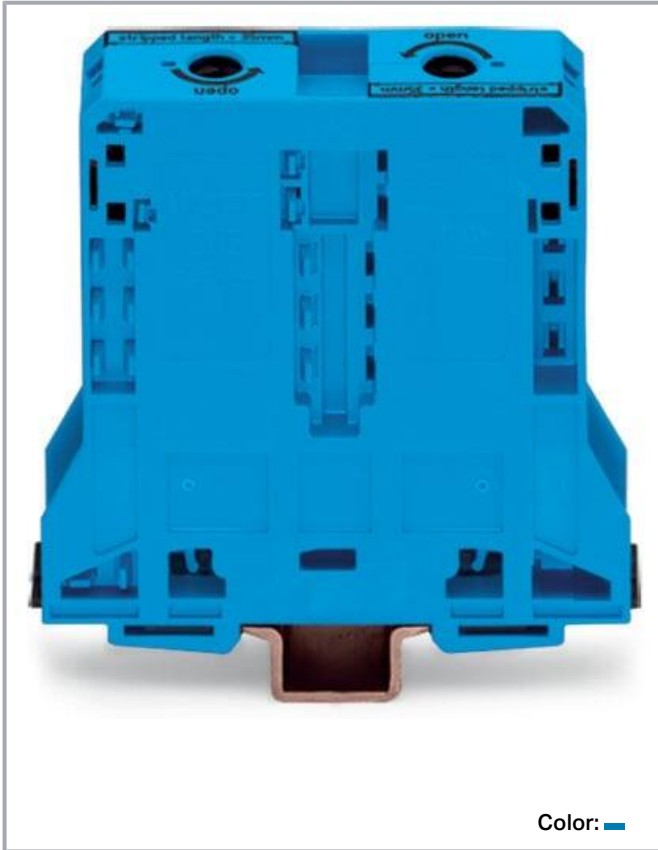


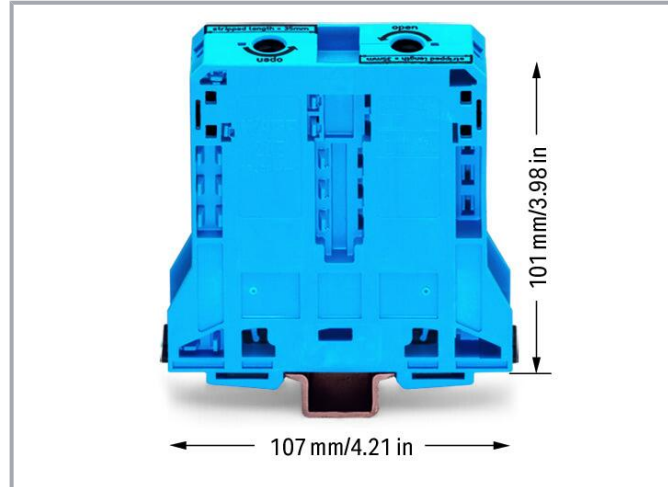
## Data sheet | Item number: 285-194

2-conductor through terminal block; 95 mm<sup>2</sup>; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 95,00 mm<sup>2</sup>; blue

[www.wago.com/285-194](http://www.wago.com/285-194)



Color: ■



## 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	232 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

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

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### Ratings per IEC/EN 2

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

### Ratings per UL 1059

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	CSA 22.2 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

### Power loss

Power loss, per pole (potential)	7.535 W
Rated current $I_N$ for specified power loss	232 A
Resistance value for specified, current-dependent power loss	0 $\Omega$

### 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

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



## Connection 1

Connection technology	POWER CAGE CLAMP
Actuation type	T-wrench; 8 mm
Connectable conductor materials	Copper
Solid conductor	25 ... 95 mm <sup>2</sup> / 4 ... 4/0 AWG
Stranded conductor	25 ... 95 mm <sup>2</sup> / 4 ... 4/0 AWG
Fine-stranded conductor	25 ... 95 mm <sup>2</sup> / 4 ... 4/0 AWG
Fine-stranded conductor; with insulated ferrule	25 ... 95 mm <sup>2</sup> / 4 ... 4/0 AWG
Fine-stranded conductor; with uninsulated ferrule	25 ... 95 mm <sup>2</sup> / 4 ... 4/0 AWG
Strip length	35 mm / 1.38 inches
Wiring direction	Side-entry wiring

## Physical data

Width	25 mm / 0.984 inches
Height	107 mm / 4.213 inches
Depth from upper-edge of DIN-rail	101 mm / 3.976 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	3.532 MJ
Weight	263.2 g

## Environmental requirements

Processing temperature	-35 ... +85 °C
------------------------	----------------

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

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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
ETIM 7.0	EC000897
PU (SPU)	5 pcs
Packaging type	box
Country of origin	PL
GTIN	4044918452533
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-7707
	CSA DEKRA Certification B.V.	C22.2 No. 158	154112
	KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-105562
	UL Underwriters Laboratories Inc.	UL 1059	E45172

## Declarations of conformity and manufacturer's declarations

Certificate

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

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

### Approvals for marine applications

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)

### Optional accessories

#### Tool

Operating tool



**Item no.: 285-172**

Allen wrench; with a partially insulated shaft; green

[www.wago.com/285-172](http://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](http://www.wago.com/285-173)

#### Cover

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

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## Cover

**Item no.: 285-169**

Finger guard; touchproof cover protects unused conductor entries and jumper slots; for 95 mm<sup>2</sup> high-current tbs; yellow [www.wago.com/285-169](http://www.wago.com/285-169)

## Marking accessories

## Marker carrier

**Item no.: 285-442**

Adaptor; gray [www.wago.com/285-442](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://www.wago.com/793-5501/000-014)

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

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**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

[www.wago.com/793-5501](http://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; green

[www.wago.com/793-5501](http://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](http://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](http://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](http://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](http://www.wago.com/793-501)

/000-017

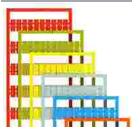


**Item no.:** 793-501/000-012

WMB marking card; as card; not stretchable; plain; snap-on type; orange

[www.wago.com/793-501](http://www.wago.com/793-501)

/000-012

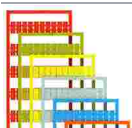


**Item no.:** 793-501/000-023

WMB marking card; as card; not stretchable; plain; snap-on type; green

[www.wago.com/793-501](http://www.wago.com/793-501)

/000-023

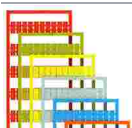


**Item no.:** 793-501/000-006

WMB marking card; as card; not stretchable; plain; snap-on type; blue

[www.wago.com/793-501](http://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](http://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](http://www.wago.com/793-501)

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

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**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](http://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](http://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](http://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](http://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](http://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](http://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](http://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](http://www.wago.com/2009-115/000-005)

Group marker carrier



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

[www.wago.com/249-105](http://www.wago.com/249-105)

Protective warning marker

Cover



**Item no.: 285-170**  
Protective warning marker; with high-voltage symbol, black; yellow

[www.wago.com/285-170](http://www.wago.com/285-170)



**Item no.: 285-175**  
Protective warning marker; yellow

[www.wago.com/285-175](http://www.wago.com/285-175)

Jumpers

Jumper

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





**Item no.: 285-495**  
Jumper; insulated; gray

[www.wago.com/285-495](http://www.wago.com/285-495)

## 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](http://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](http://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](http://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](http://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](http://www.wago.com/210-114)

## Current and Voltage Taps

### Current and voltage tap



**Item no.: 855-951/250-000**  
Current and voltage tap up to 95 mm<sup>2</sup>; Primary rated current: 250 A; Secondary rated current: 1 A; Rated power: 0.2 VA; Accuracy class: 0.5; fused

[www.wago.com/855-951/250-000](http://www.wago.com/855-951/250-000)

## Ferrule

### Ferrule



**Item no.: 216-413**  
Ferrule; Sleeve for 25 mm<sup>2</sup> / 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](http://www.wago.com/216-413)



**Item no.: 216-414**  
Ferrule; Sleeve for 35 mm<sup>2</sup> / 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](http://www.wago.com/216-414)



**Item no.: 216-425**  
Ferrule; Sleeve for 50 mm<sup>2</sup> / AWG 1; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

[www.wago.com/216-425](http://www.wago.com/216-425)



**Item no.: 216-424**  
Ferrule; Sleeve for 35 mm<sup>2</sup> / 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](http://www.wago.com/216-424)



**Item no.: 216-435**  
Ferrule; Sleeve for 50 mm<sup>2</sup> / AWG 1; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

[www.wago.com/216-435](http://www.wago.com/216-435)

## Mounting

### Mounting accessories

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



**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](http://www.wago.com/249-197)



**Item no.: 285-168**  
Fixing element; for 95 mm<sup>2</sup> high-current terminal blocks; orange

[www.wago.com/285-168](http://www.wago.com/285-168)

### Voltage tap

Power tap



**Item no.: 285-407**  
Power tap; for 95 mm<sup>2</sup> high-current tbs; 10,00 mm<sup>2</sup>; gray

[www.wago.com/285-407](http://www.wago.com/285-407)

## Downloads

### Documentation

#### Bid Text

285-194 X81 - Datei	2019 Feb 19	xml 3.3 kB	Download
285-194 doc - Datei	2018 Jan 4	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 285-194		URL	Download
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#### CAE data

EPLAN Data Portal 285-194		URL	Download
WSCAD Universe 285-194		URL	Download
ZUKEN Portal 285-194		URL	Download

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 285-194

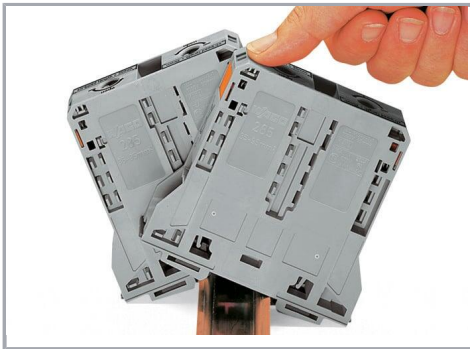
URL

Download

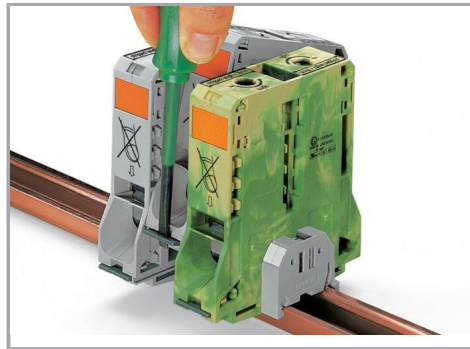
2-conductor through terminal block; 95 mm<sup>2</sup>; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 95,00 mm<sup>2</sup>; blue

## 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



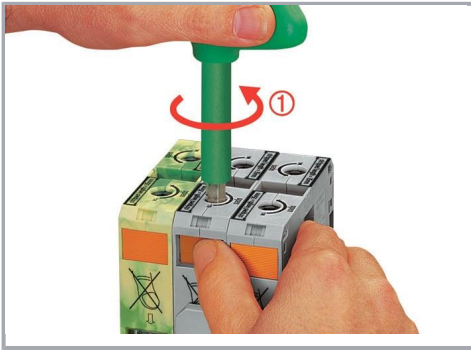
For the optimal clamping force:

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



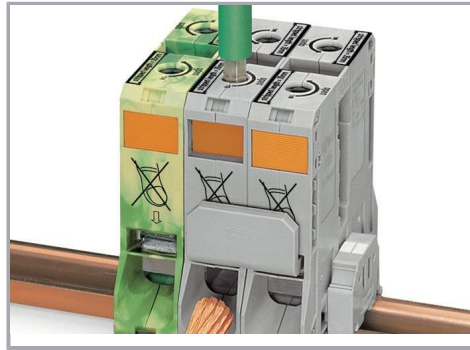
Always observe the on-unit printed strip length guide!

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



**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.

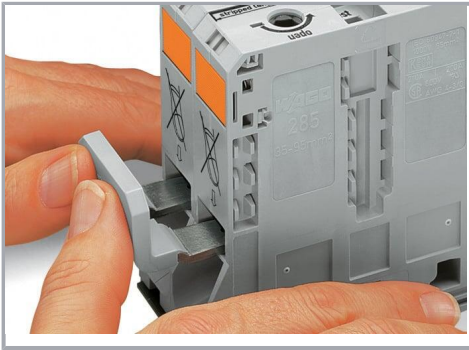


**Conductor termination – step 3:**

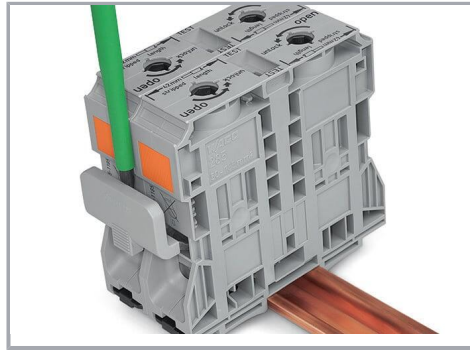
A short counter-clockwise rotation releases the tab. When unlocked, the T-wrench rotates clockwise, securely clamping the conductor.

**Commoning**

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



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



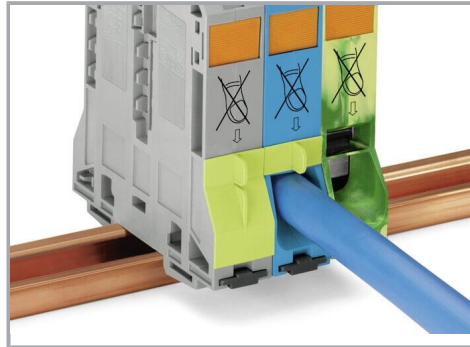
Removing jumper via operating tool.

### Cover



Protective warning marker may indicate:

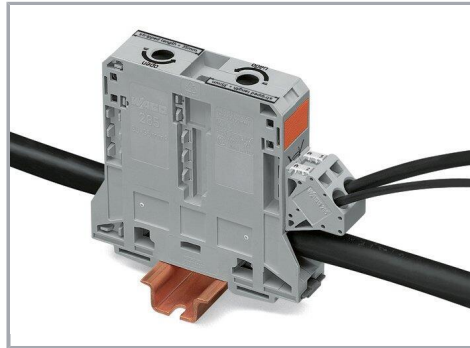
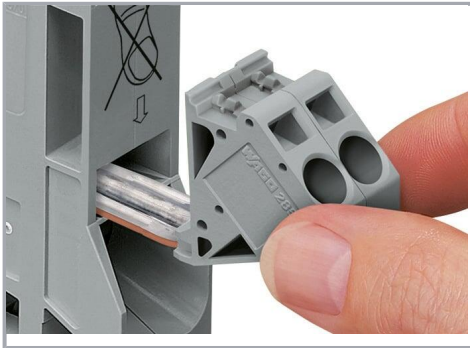
Notice: Power is still on even after switching off the main switch!



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

### Power tap

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

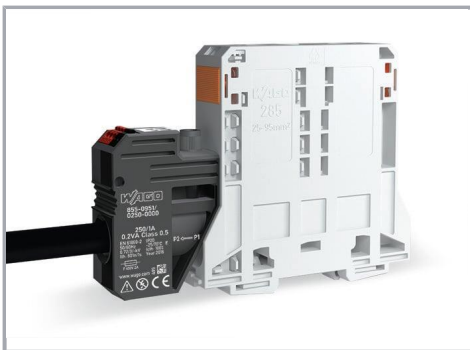


Easily and consistently tap directly into the power supply. Insert the unwired tap before opening the clamping unit.

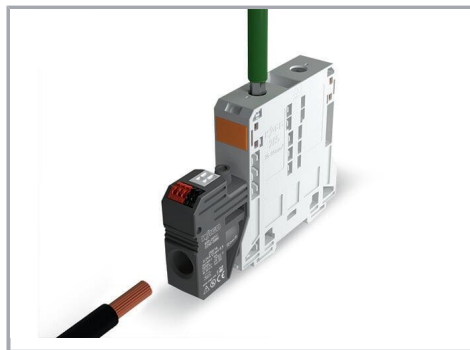


The power taps enable the distribution of the L1, L2 and L3 potentials. The warning covers and finger guards ensure IP20 touch-proof protection.

#### Current and voltage tap



Installation via jumper slot



Feedthrough for primary conductors

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



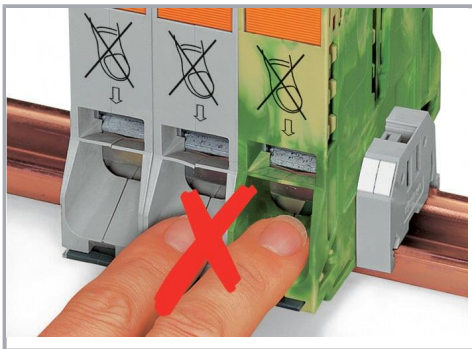


Push-in CAGE CLAMP® connection technology



Integrated fuse

### Security



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

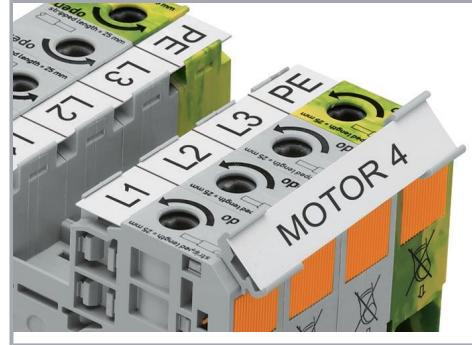
Voltage measurements can be performed, e.g., using a 2-pole voltage tester (206-707).

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

### Marking



WMB markers or self-adhesive, printable marking strips can be accommodated on 35, 50 and 95 mm<sup>2</sup> high-current terminal blocks.



Marker carrier (285-442) for marking strips (2009-110) or 2 WMB markers for 285-13x, 285-15x and 285-19x Terminal Blocks

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