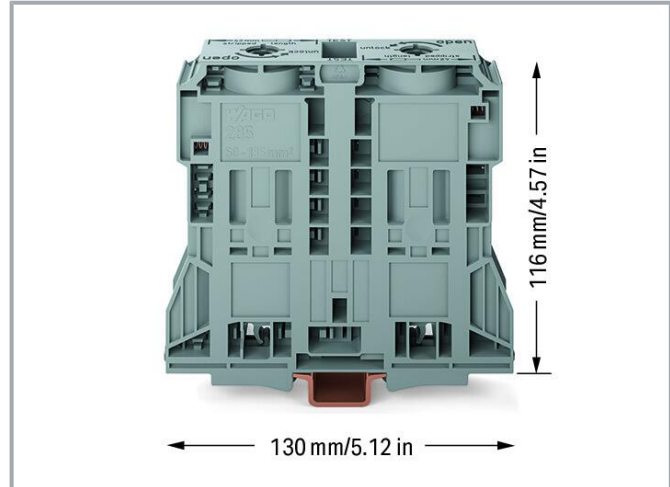


## Data sheet | Item number: 285-1185

2-conductor through terminal block; 185 mm<sup>2</sup>; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 185,00 mm<sup>2</sup>; gray



[www.wago.com/285-1185](http://www.wago.com/285-1185)



### 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!

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## 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 $\Omega$

## 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

## Connection 1

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

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



Stranded conductor	50 ... 185 mm <sup>2</sup> / 1/0 AWG ... 350 kcmil
Fine-stranded conductor	50 ... 185 mm <sup>2</sup> / 1/0 AWG ... 350 kcmil
Fine-stranded conductor; with insulated ferrule	50 ... 150 mm <sup>2</sup> / 1/0 AWG ... 300 kcmil
Fine-stranded conductor; with uninsulated ferrule	50 ... 185 mm <sup>2</sup> / 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 <a href="#">here</a>
Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	5.832 MJ
Weight	534.9 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!

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ETIM 7.0	EC000897
PU (SPU)	5 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143067065
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
	<b>ABS</b> American Bureau of Shipping	EN 60947	20- HG1941090- PDA
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2

### Optional accessories

#### Cover

##### Cover

	<b>Item no.: 285-1178</b> Finger guard; touchproof cover protects unused conductor entries and jumper slots; for 185 mm <sup>2</sup> high-current terminal blocks; yellow	<a href="http://www.wago.com/285-1178">www.wago.com/285-1178</a>
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#### Jumpers

##### Jumper

	<b>Item no.: 285-1171</b> Jumper; insulated; gray	<a href="http://www.wago.com/285-1171">www.wago.com/285-1171</a>
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#### Current and Voltage Taps


##### Current and voltage tap

	<b>Item no.: 855-1851/350-000</b> Current and voltage tap up to 185 mm <sup>2</sup> ; Primary rated current: 350 A; Secondary rated current: 1 A; Rated power: 0.2 VA; Accuracy class: 0.5; fused	<a href="http://www.wago.com/855-1851/350-000">www.wago.com/855-1851/350-000</a>
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#### Tool

##### Operating tool

	<b>Item no.: 285-172</b> Allen wrench; with a partially insulated shaft; green	<a href="http://www.wago.com/285-172">www.wago.com/285-172</a>
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	<b>Item no.: 285-173</b> Allen wrench; with a partially insulated shaft; with anti-rotation protection; green	<a href="http://www.wago.com/285-173">www.wago.com/285-173</a>
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#### Mounting

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

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

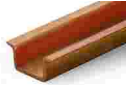


**Item no.: 285-1179**  
Fixing element; for 185 mm<sup>2</sup> high-current terminal blocks; orange

[www.wago.com/285-1179](http://www.wago.com/285-1179)

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](http://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](http://www.wago.com/210-118)

Voltage tap

Power tap



**Item no.: 285-1175**  
Power tap; for 185 mm<sup>2</sup> high-current terminal blocks; 10,00 mm<sup>2</sup>; gray

[www.wago.com/285-1175](http://www.wago.com/285-1175)

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](http://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](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)

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



**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)



**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/793-5501/000-017](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/793-5501/000-023](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/793-5501/000-024](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/793-501/000-002](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/793-501/000-007](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/793-501/000-017](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/793-501/000-012](http://www.wago.com/793-501/000-012)

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**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](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/793-501/000-006](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/793-501/000-005](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)



**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)

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



## Protective warning marker

## Cover

**Item no.: 285-1177**

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

[www.wago.com/285-1177](http://www.wago.com/285-1177)**Item no.: 285-1176**

Protective warning marker; yellow

[www.wago.com/285-1176](http://www.wago.com/285-1176)

## 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)

## Downloads

## Documentation

## Bid Text

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

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

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2D/3D Models 285-1185

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#### CAE data

EPLAN Data Portal 285-1185

[URL](#)

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WSCAD Universe 285-1185

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ZUKEN Portal 285-1185

[URL](#)

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 285-1185

[URL](#)

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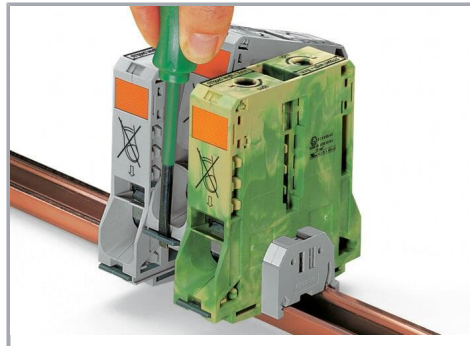
2-conductor through terminal block; 185 mm<sup>2</sup>; lateral marker slots; only for DIN 35 x 15 rail; POWER CAGE CLAMP; 185,00 mm<sup>2</sup>; gray

## Installation Notes

### Installation



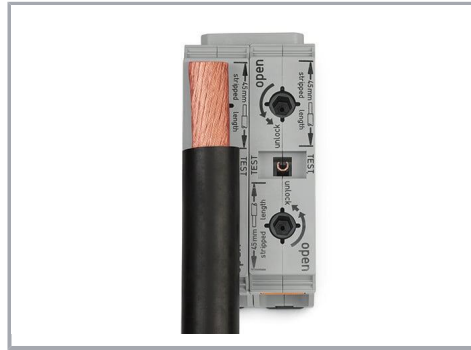
Snapping a terminal block onto DIN-rail (to the left or to the right).



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

### Conductor termination

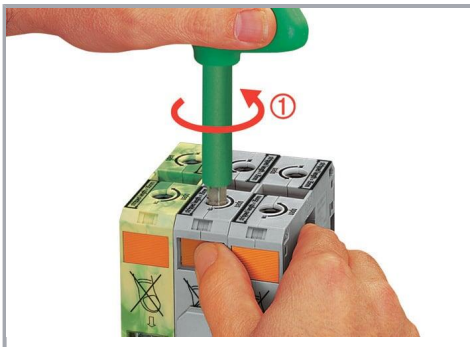
Subject to changes. Please also observe the further product documentation!



For the optimal clamping force:

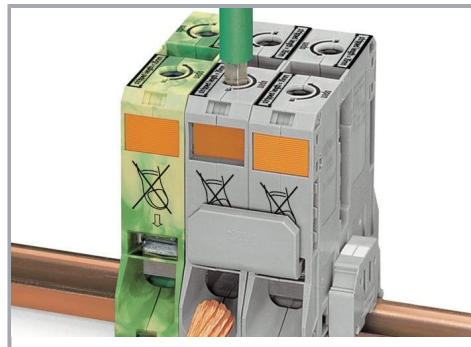
- Bend conductor
- Cut conductor to length (conductor end must be straight)
- Strip conductor

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.

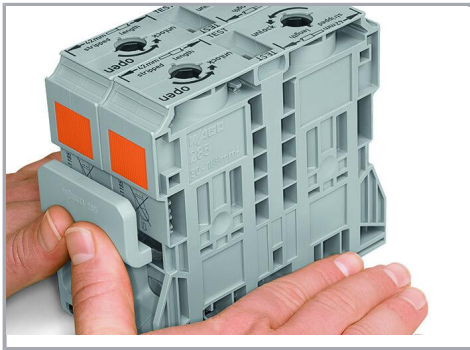
Subject to changes. Please also observe the further product documentation!



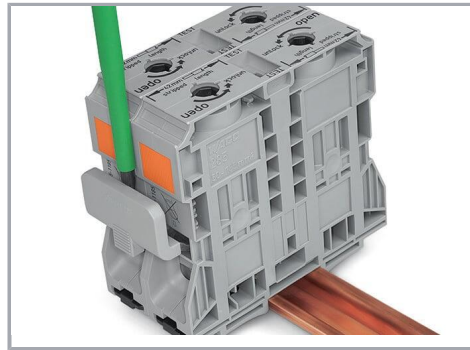
### Conductor termination – step 3:

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

### Commoning



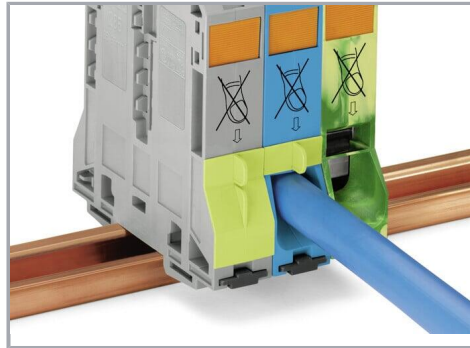
Commoning with an adjacent jumper: insert the jumper above the conductor entry hole – prior to conductor termination. The nominal cross-section remains unchanged.



Removing jumper via operating tool.

### Cover

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

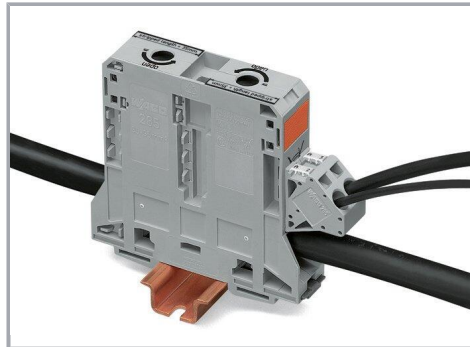
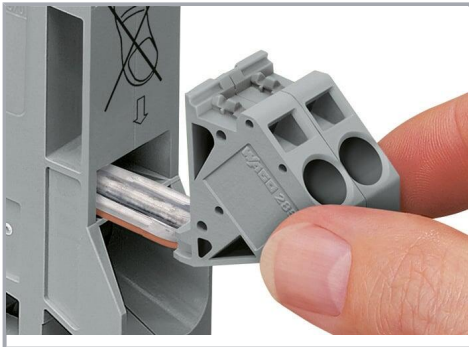


Protective warning marker may indicate:

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.

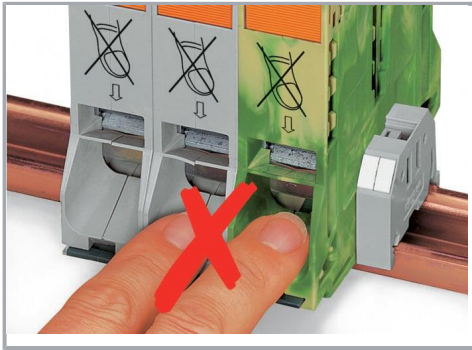
### Power tap



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!



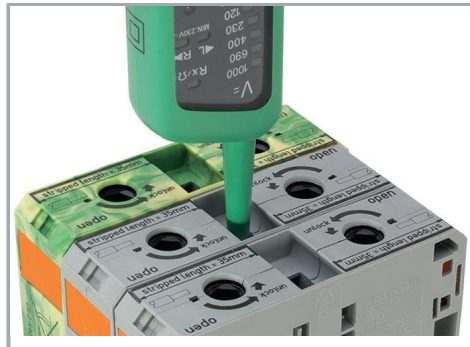
Risk of Injury!

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).

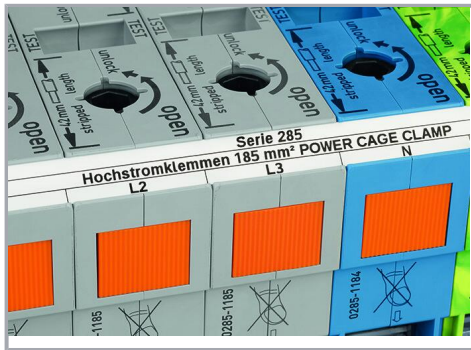


Testing

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 mm<sup>2</sup> (350 kcmil) high-current terminal blocks.

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

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