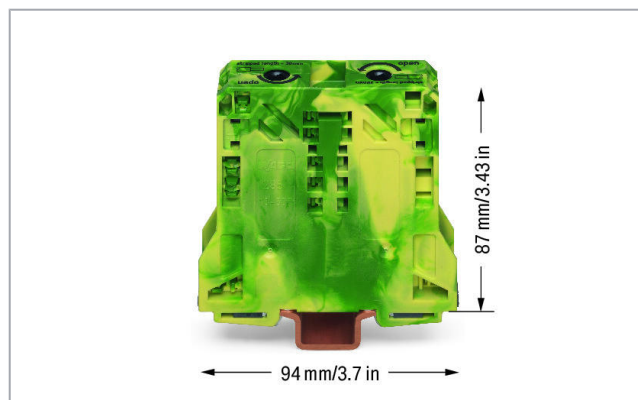
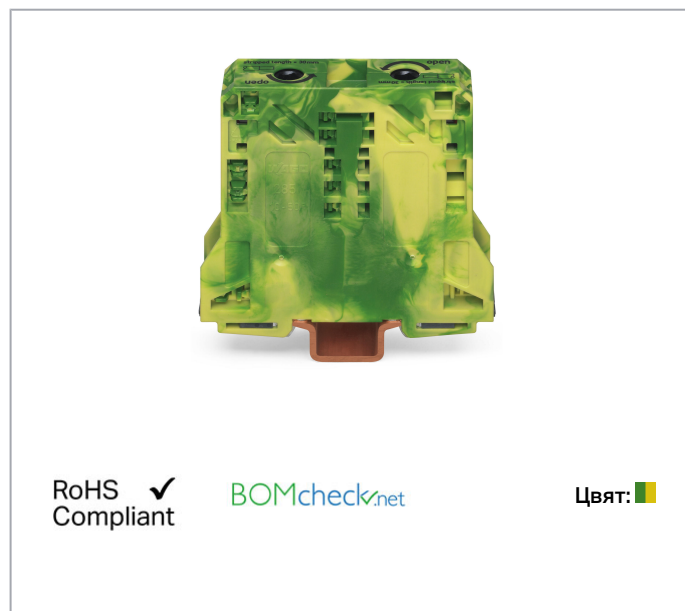


## Информационен лист | Номер на артикул: 285-157

2-conductor ground terminal block; 50 mm<sup>2</sup>; lateral marker slots; only for DIN 35 x 15 rail; 2.3 mm thick; copper; POWER CAGE CLAMP; 50,00 mm<sup>2</sup>; green-yellow



[www.wago.com/285-157](http://www.wago.com/285-157)



RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

Цвят:

### Данни

#### Electrical data

#### Ratings per IEC/EN 60664-1

Ratings per

IEC/EN 60947-7-2

#### Connection data

Connection technology	POWER CAGE CLAMP
Actuation type	Operating tool
Connectable conductor materials	Copper
Solid conductor	10 ... 50 mm <sup>2</sup> / 8 ... 1/0 AWG
Stranded conductor	10 ... 50 mm <sup>2</sup> / 8 ... 1/0 AWG
Fine-stranded conductor	10 ... 70 mm <sup>2</sup> / 8 ... 2/0 AWG
Strip length	30 mm / 1.18 inch
Total number of connection points	2
Total number of potentials	1
Number of levels	1

Подлежи на промяна. Моля, обърнете внимание и на допълнителната документация на продукта!

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Wiring type	Side-entry wiring
-------------	-------------------

**Physical data**

Width	20 mm / 0.787 inch
Height from upper-edge of DIN-rail	87 mm / 3.425 inch
Depth	94 mm / 3.701 inch

**Mechanical data**

Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Side marking


**Material Data**

Color	green-yellow
Insulation material	Polyamide (PA66)
Fire load	1,98 MJ
Weight	186,5 g

**Commercial data**

Product Group	1 (Rail Mounted Terminal Blocks)
Packaging type	BOX
Country of origin	PL
GTIN	4045454507435
Customs tariff number	85369010000

**Одобрения / Сертификати****Ex-Approvals**

Лого	Одобрение	Допълнителен текст за одобрение	Име на сертификат
	AEx Underwriters Laboratories Inc.	-	E185892 sec. 4

**Country specific Approvals**

Лого	Одобрение	Допълнителен текст за одобрение	Име на сертификат
	CCA	EN 60947	NTR NL-

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DEKRA Certification B.V.

7707

CSA  
DEKRA Certification B.V.

C22.2 No. 158

1151144

KEMA/KEUR  
DEKRA Certification B.V.

EN 60947

71-101911

## UL-Approvals

Лого	Одобрение	Допълнителен текст за одобрение	Име на сертификат
	UL Underwriters Laboratories Inc.	UL 1059	20190731E45172

## Съвместими продукти

## Carrier rail



Артикул №: 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)

## assembling



Артикул №: 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)

Артикул №: 285-448

Fixing element; for 50 mm<sup>2</sup> high-current terminal blocks; orange[www.wago.com/285-448](http://www.wago.com/285-448)

## potential distribution



Артикул №: 285-447

Power tap; for 50 mm<sup>2</sup> high-current tbs; Module width 16 mm; 6,00 mm<sup>2</sup>; gray[www.wago.com/285-447](http://www.wago.com/285-447)

## protection



Артикул №: 285-441

Finger guard; touchproof cover protects unused conductor entries and jumper slots; for 50 mm<sup>2</sup> high-current tbs; yellow[www.wago.com/285-441](http://www.wago.com/285-441)

## tools



Артикул №: 285-172

Allen wrench; with a partially insulated shaft; green

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

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**Артикул №: 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)

#### Jumper



**Артикул №: 285-450**  
Jumper; insulated; gray

[www.wago.com/285-450](http://www.wago.com/285-450)

#### Protective Warning Marker



**Артикул №: 285-440**  
Protective warning marker; with high-voltage symbol, black; yellow

[www.wago.com/285-440](http://www.wago.com/285-440)



**Артикул №: 285-449**  
Protective warning marker; yellow

[www.wago.com/285-449](http://www.wago.com/285-449)

#### ferrule



**Артикул №: 216-109**  
Ferrule; Sleeve for 10 mm<sup>2</sup> / AWG 8; uninsulated; electro-tin plated

[www.wago.com/216-109](http://www.wago.com/216-109)



**Артикул №: 216-110**  
Ferrule; Sleeve for 16 mm<sup>2</sup> / AWG 6; uninsulated; electro-tin plated; metallic brown

[www.wago.com/216-110](http://www.wago.com/216-110)



**Артикул №: 216-209**  
Ferrule; Sleeve for 10 mm<sup>2</sup> / AWG 8; insulated; electro-tin plated; red

[www.wago.com/216-209](http://www.wago.com/216-209)



**Артикул №: 216-210**  
Ferrule; Sleeve for 16 mm<sup>2</sup> / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

[www.wago.com/216-210](http://www.wago.com/216-210)



**Артикул №: 216-289**  
Ferrule; Sleeve for 10 mm<sup>2</sup> / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

[www.wago.com/216-289](http://www.wago.com/216-289)



**Артикул №: 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)



**Артикул №: 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)



**Артикул №: 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)



**Артикул №: 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)

#### Marking accessories



**Артикул №: 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)

















**Артикул №: 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)

Подлежи на промяна. Моля, обърнете внимание и на допълнителната документация на продукта!

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	<b>Артикул №: 2009-115/000-005</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red	<a href="http://www.wago.com/2009-115/000-005">www.wago.com/2009-115/000-005</a>
	<b>Артикул №: 2009-115/000-006</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue	<a href="http://www.wago.com/2009-115/000-006">www.wago.com/2009-115/000-006</a>
	<b>Артикул №: 2009-115/000-007</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray	<a href="http://www.wago.com/2009-115/000-007">www.wago.com/2009-115/000-007</a>
	<b>Артикул №: 2009-115/000-012</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange	<a href="http://www.wago.com/2009-115/000-012">www.wago.com/2009-115/000-012</a>
	<b>Артикул №: 2009-115/000-017</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green	<a href="http://www.wago.com/2009-115/000-017">www.wago.com/2009-115/000-017</a>
	<b>Артикул №: 2009-115/000-023</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green	<a href="http://www.wago.com/2009-115/000-023">www.wago.com/2009-115/000-023</a>
	<b>Артикул №: 2009-115/000-024</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet	<a href="http://www.wago.com/2009-115/000-024">www.wago.com/2009-115/000-024</a>
	<b>Артикул №: 249-105</b> Group marker carrier; gray	<a href="http://www.wago.com/249-105">www.wago.com/249-105</a>
	<b>Артикул №: 285-442</b> Adaptor; gray	<a href="http://www.wago.com/285-442">www.wago.com/285-442</a>
	<b>Артикул №: 793-501</b> WMB marking card; as card; not stretchable; plain; snap-on type; white	<a href="http://www.wago.com/793-501">www.wago.com/793-501</a>
	<b>Артикул №: 793-501/000-002</b> WMB marking card; as card; not stretchable; plain; snap-on type; yellow	<a href="http://www.wago.com/793-501/000-002">www.wago.com/793-501/000-002</a>
	<b>Артикул №: 793-501/000-005</b> WMB marking card; as card; not stretchable; plain; snap-on type; red	<a href="http://www.wago.com/793-501/000-005">www.wago.com/793-501/000-005</a>
	<b>Артикул №: 793-501/000-006</b> WMB marking card; as card; not stretchable; plain; snap-on type; blue	<a href="http://www.wago.com/793-501/000-006">www.wago.com/793-501/000-006</a>
	<b>Артикул №: 793-501/000-007</b> WMB marking card; as card; not stretchable; plain; snap-on type; gray	<a href="http://www.wago.com/793-501/000-007">www.wago.com/793-501/000-007</a>

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**Артикул №: 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)



**Артикул №: 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)



**Артикул №: 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)



**Артикул №: 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)



**Артикул №: 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)



**Артикул №: 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)



**Артикул №: 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)



**Артикул №: 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)



**Артикул №: 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

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[www.wago.com/793-5501/000-012](http://www.wago.com/793-5501/000-012)



**Артикул №: 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)



**Артикул №: 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](http://www.wago.com/793-5501/000-017)



**Артикул №: 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](http://www.wago.com/793-5501/000-023)

**Артикул №: 793-5501/000-024**

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[www.wago.com/793-5501/000-024](http://www.wago.com/793-5501/000-024)

## Изтегляния

### Documentation

#### Bid Text

285-157 X81 - Datei	Feb 19, 2019	xml 3,2 kB	Изтегляне
------------------------	--------------	---------------	-----------

285-157 doc - Datei	Jan 4, 2018	doc 24,1 kB	Изтегляне
------------------------	-------------	----------------	-----------

#### Additional Information

Technical explanations	Apr 3, 2019	pdf 2,2 MB	Изтегляне
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## CAD/CAE-Data

### CAD data

2D/3D Models 285-157		URL	Изтегляне
----------------------	--	-----	-----------

### CAE data

EPLAN Data Portal 285-157		URL	Изтегляне
---------------------------	--	-----	-----------

WSCAD Universe 285-157		URL	Изтегляне
------------------------	--	-----	-----------

ZUKEN Portal 285-157		URL	Изтегляне
----------------------	--	-----	-----------

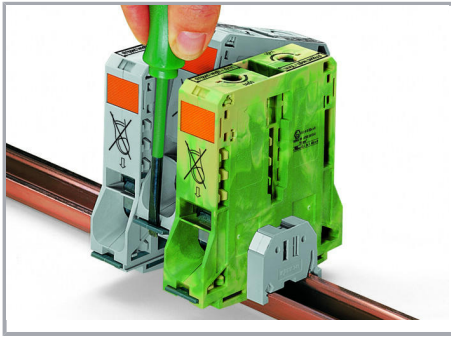
## Бележки за инсталиране

### Installation

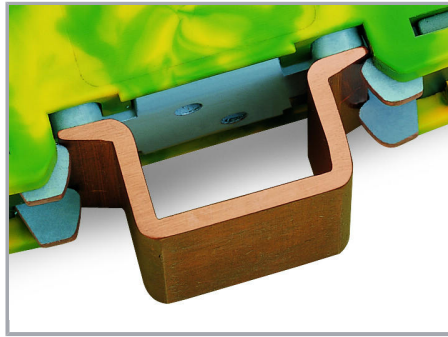
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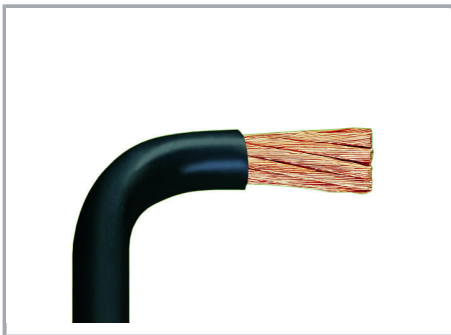
Removing a terminal block from the assembly.



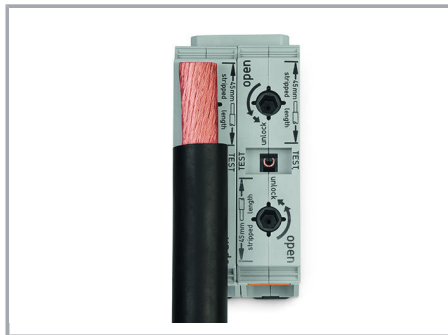
Grounding foot

Ground conductor terminal blocks (limited to max. 120 mm<sup>2</sup>/250 kcmil per EN 60947-7-2) must be snapped onto a 2.3 mm thick copper carrier rail.

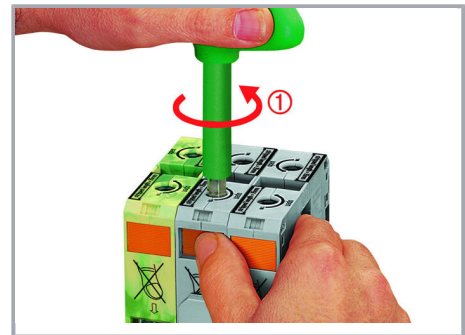
#### Conductor termination



For the optimal clamping force:



Always observe the printed strip length!

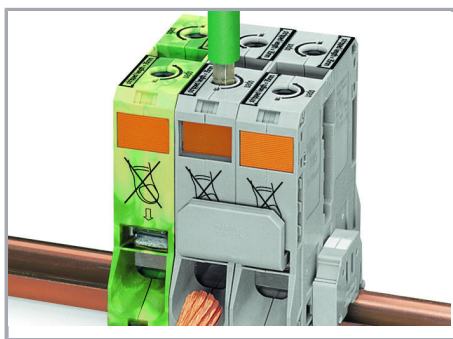


Conductor termination – step 1

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

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.

Подлежи на промяна. Моля, обърнете внимание и на допълнителната документация на продукта!



Conductor termination – step 2

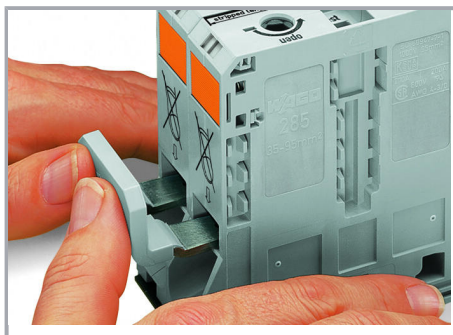


Conductor termination – step 3

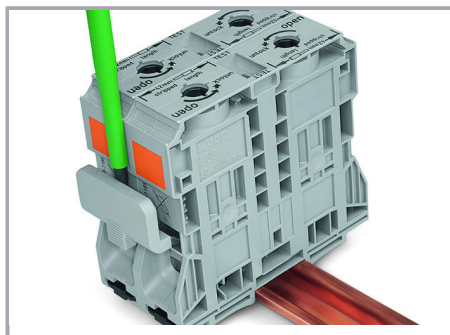
Insert a stripped conductor into the clamping unit until it hits backstop. Hold in this position.

A short counter-clockwise rotation releases the locking 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.



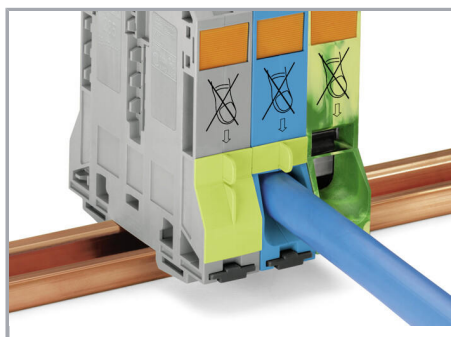
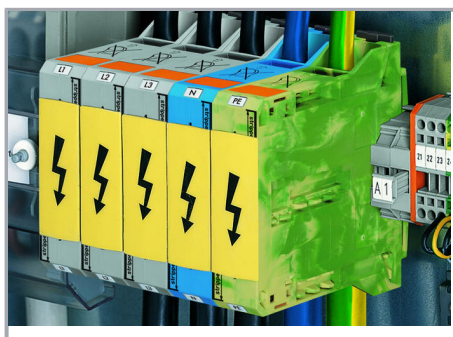
Removing jumper via operating tool.

#### Cover

Подлежи на промяна. Моля, обърнете внимание и на допълнителната документация на продукта!

ВАГО България ООД  
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Имате ли въпроси относно нашите продукти?  
Винаги ще се радваме да получим вашето обаждане на +359 2 489 46 09.

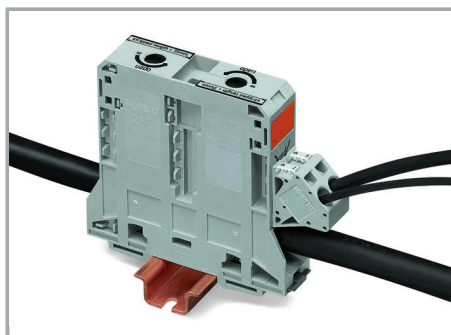
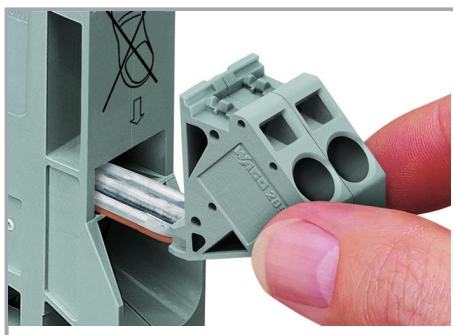


Protective warning marker may indicate:

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

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

#### Voltage tap



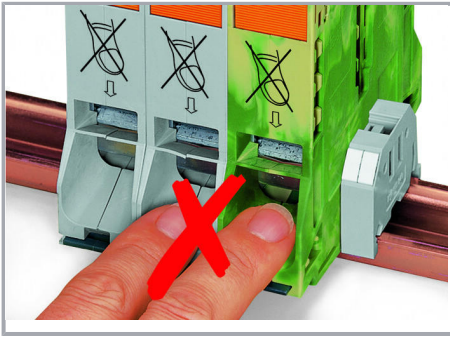
Reliably and easily tap directly into the power supply. Insert the unwired tap before opening the clamping unit.

#### Safety

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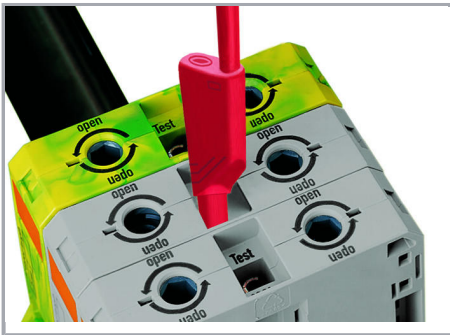
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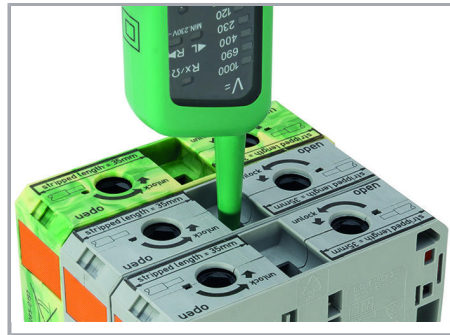
Risk of Injury!

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).



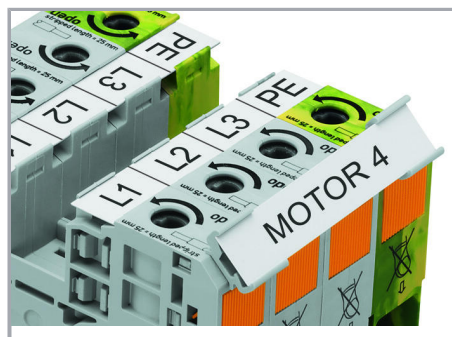
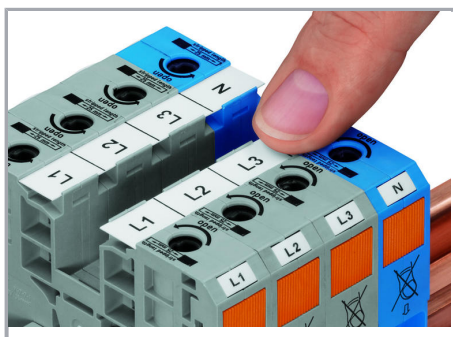
Testing

### Marking

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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 for marking strips (2009-110) or 2 x WMB markers for 285-13x, 285-15x and 285-19x terminal blocks

## Семейство продукти

### POWER CAGE CLAMP

Показване на всички продукти от семейството.

Подлежи на промяна. Моля, обърнете внимание и на допълнителната документация на продукта!

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