

**Data sheet | Item number: 279-837**

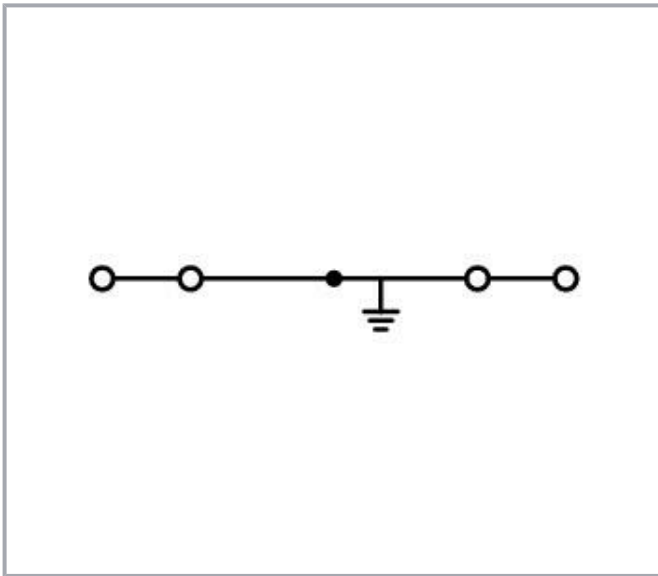
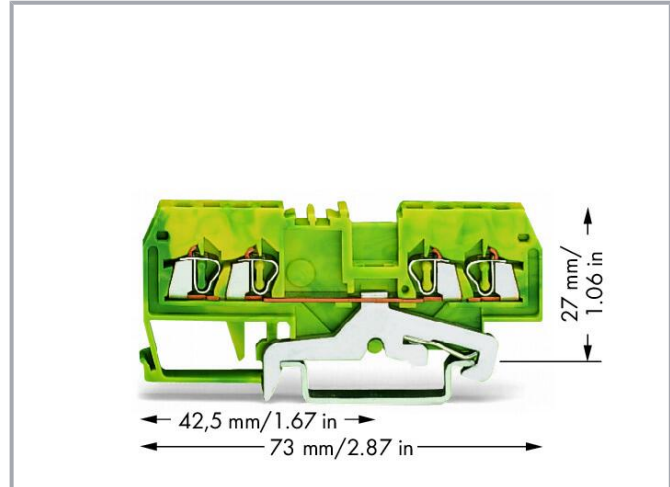
4-conductor ground terminal block; 1.5 mm<sup>2</sup>; center marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 1,50 mm<sup>2</sup>; green-yellow



[www.wago.com/279-837](http://www.wago.com/279-837)



Color: 



**Data**

**Electrical data**

**Ratings per IEC/EN**

Ratings per

IEC/EN 60947-7-2

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

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



## Connection data

Connection points	4
Total number of potentials	1
Number of levels	1

## Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Solid conductor	0.08 ... 1.5 mm <sup>2</sup> / 28 ... 16 AWG
Fine-stranded conductor	0.08 ... 1.5 mm <sup>2</sup> / 28 ... 16 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Wiring direction	Front-entry wiring

## Physical data

Width	4 mm / 0.157 inches
Height	73 mm / 2.874 inches
Depth from upper-edge of DIN-rail	27 mm / 1.063 inches

## Mechanical Data

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

## Material Data

Note (material data)	Information on material specifications can be found here
Color	green-yellow
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.104 MJ
Weight	9.9 g

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



## 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	27-14-11-41
eCl@ss 9.0	27-14-11-41
ETIM 8.0	EC000901
ETIM 7.0	EC000901
PU (SPU)	100 pcs
Packaging type	box
Country of origin	DE
GTIN	4045454084455
Customs tariff number	85369010000

## Environmental Product Compliance

CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Bulgaria)	23cbd304-d4ed-46d2-be95-377184d9d68e
SCIP notification number (Czech Republic)	53f87003-d0e5-4984-8b04-164f3635feae

## Approvals / Certificates

### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	NTR NL-7081
	CSA DEKRA Certification B.V.	C22.2 No. 158	70133738

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

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KEMA/KEUR

EN 60947

2160584.04



DEKRA Certification B.V.





UL

UL 1059





E45172

Underwriters Laboratories Inc.

## 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	-	-

## Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	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)



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

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 32423 Minden  
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 Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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## Required accessories

### End plate









End plate		
	<b>Item no.: 279-346</b> End and intermediate plate; 2 mm thick; orange	<a href="http://www.wago.com/279-346">www.wago.com/279-346</a>
	<b>Item no.: 279-344</b> End and intermediate plate; 2 mm thick; gray	<a href="http://www.wago.com/279-344">www.wago.com/279-344</a>

## Optional accessories


### Mounting

Cover carrier		
	<b>Item no.: 709-167</b> Cover carrier; Type 1; incl. fixing/retaining screws and knurled nut; suitable for 279 to 282 and 880 Series rail-mounted terminal blocks; suitable for 264 Series miniature rail-mounted terminal blocks; suitable for 270 Series sensor and actuator terminal blocks; gray	<a href="http://www.wago.com/709-167">www.wago.com/709-167</a>
Cover		
	<b>Item no.: 709-153</b> Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent	<a href="http://www.wago.com/709-153">www.wago.com/709-153</a>
Mounting accessories		
	<b>Item no.: 209-106</b> Mounting carrier; for isolated mounting on DIN 35 rails; gray	<a href="http://www.wago.com/209-106">www.wago.com/209-106</a>
	<b>Item no.: 249-116</b> Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray	<a href="http://www.wago.com/249-116">www.wago.com/249-116</a>
Carrier rail		
Mounting accessories		
	<b>Item no.: 210-197</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored	<a href="http://www.wago.com/210-197">www.wago.com/210-197</a>
	<b>Item no.: 210-198</b> Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored	<a href="http://www.wago.com/210-198">www.wago.com/210-198</a>
	<b>Item no.: 210-504</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored	<a href="http://www.wago.com/210-504">www.wago.com/210-504</a>
	<b>Item no.: 210-505</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored	<a href="http://www.wago.com/210-505">www.wago.com/210-505</a>




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

	<b>Item no.: 210-506</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored	<a href="http://www.wago.com/210-506">www.wago.com/210-506</a>
	<b>Item no.: 210-508</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored	<a href="http://www.wago.com/210-508">www.wago.com/210-508</a>
	<b>Item no.: 210-113</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	<a href="http://www.wago.com/210-113">www.wago.com/210-113</a>
	<b>Item no.: 210-118</b> Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	<a href="http://www.wago.com/210-118">www.wago.com/210-118</a>
	<b>Item no.: 210-112</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored	<a href="http://www.wago.com/210-112">www.wago.com/210-112</a>
	<b>Item no.: 210-114</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	<a href="http://www.wago.com/210-114">www.wago.com/210-114</a>
	<b>Item no.: 210-115</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored	<a href="http://www.wago.com/210-115">www.wago.com/210-115</a>
	<b>Item no.: 210-196</b> Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	<a href="http://www.wago.com/210-196">www.wago.com/210-196</a>

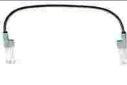
**Protective warning marker**

Cover		
	<b>Item no.: 279-415</b> Protective warning marker; 5-pole; with high-voltage symbol, black; yellow	<a href="http://www.wago.com/279-415">www.wago.com/279-415</a>

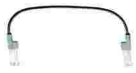
**Tool**

Operating tool		
	<b>Item no.: 210-648</b> Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short	<a href="http://www.wago.com/210-648">www.wago.com/210-648</a>
	<b>Item no.: 210-647</b> Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured	<a href="http://www.wago.com/210-647">www.wago.com/210-647</a>
	<b>Item no.: 210-719</b> Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	<a href="http://www.wago.com/210-719">www.wago.com/210-719</a>

**Push-in type wire jumper**

Jumper		
	<b>Item no.: 249-123</b> Push-in type wire jumper; 0.75 mm <sup>2</sup> ; insulated; 180 mm long; black	<a href="http://www.wago.com/249-123">www.wago.com/249-123</a>
<b>Item no.: 249-126</b>		

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



Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 110 mm long; black

[www.wago.com/249-126](http://www.wago.com/249-126)



**Item no.: 249-127**  
Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 250 mm long; black

[www.wago.com/249-127](http://www.wago.com/249-127)



**Item no.: 249-125**  
Push-in type wire jumper; insulated; 60 mm long; black

[www.wago.com/249-125](http://www.wago.com/249-125)

### Insulation stop

Insulation stop



**Item no.: 279-470**  
Insulation stop; 0.08 - 0.2 mm<sup>2</sup> "s" (0.14 mm<sup>2</sup> "f-st"); 5 pieces/strip; white

[www.wago.com/279-470](http://www.wago.com/279-470)



**Item no.: 279-471**  
Insulation stop; 0.25 mm<sup>2</sup>; 5 pieces/strip; dark gray

[www.wago.com/279-471](http://www.wago.com/279-471)

### Jumpers

Jumper



**Item no.: 279-402**  
Jumper; insulated; gray

[www.wago.com/279-402](http://www.wago.com/279-402)



**Item no.: 279-409**  
Jumper; insulated; gray

[www.wago.com/279-409](http://www.wago.com/279-409)



**Item no.: 279-422**  
Jumper; insulated; yellow-green

[www.wago.com/279-422](http://www.wago.com/279-422)



**Item no.: 279-492**  
Jumper; 2-way; insulated; gray

[www.wago.com/279-492](http://www.wago.com/279-492)



**Item no.: 279-490**  
Jumper; 10-way; insulated; gray

[www.wago.com/279-490](http://www.wago.com/279-490)



**Item no.: 279-482**  
Jumper; 2-way; insulated; gray

[www.wago.com/279-482](http://www.wago.com/279-482)



**Item no.: 279-483**  
Jumper; 3-way; insulated; gray

[www.wago.com/279-483](http://www.wago.com/279-483)

### Ferrule

Ferrule



**Item no.: 216-101**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored

[www.wago.com/216-101](http://www.wago.com/216-101)



**Item no.: 216-102**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored

[www.wago.com/216-102](http://www.wago.com/216-102)







**Item no.: 216-103**  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; uninsulated; electro-tin plated

[www.wago.com/216-103](http://www.wago.com/216-103)





**Item no.: 216-203**

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

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; red[www.wago.com/216-203](http://www.wago.com/216-203)

**Item no.: 216-202**  
 Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray
[www.wago.com/216-202](http://www.wago.com/216-202)

**Item no.: 216-201**  
 Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; white
[www.wago.com/216-201](http://www.wago.com/216-201)

**Item no.: 216-301**  
 Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow
[www.wago.com/216-301](http://www.wago.com/216-301)

**Item no.: 216-302**  
 Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise
[www.wago.com/216-302](http://www.wago.com/216-302)


### Testing and measuring

#### Testing accessories








**Item no.: 209-170**  
 Test plug adapter; 8.3 mm wide; for 4 mm Ø test plugs; suitable for 1.5 mm<sup>2</sup> - 10 mm<sup>2</sup> tbs; gray
[www.wago.com/209-170](http://www.wago.com/209-170)

**Item no.: 280-404**  
 Test plug adapter; 5 mm wide; for test plug (2.3 mm Ø); suitable for 1.5 mm<sup>2</sup> - 4 mm<sup>2</sup> tbs; gray
[www.wago.com/280-404](http://www.wago.com/280-404)

### Marking accessories

#### Double marker carrier



**Item no.: 209-128**  
 Adaptor; gray
[www.wago.com/209-128](http://www.wago.com/209-128)


#### Marker



**Item no.: 2009-114/000-002**  
 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; yellow
[www.wago.com/2009-114/000-002](http://www.wago.com/2009-114/000-002)

**Item no.: 2009-114/000-005**  
 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; red
[www.wago.com/2009-114/000-005](http://www.wago.com/2009-114/000-005)

**Item no.: 2009-114/000-007**  
 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; gray
[www.wago.com/2009-114/000-007](http://www.wago.com/2009-114/000-007)

**Item no.: 2009-114/000-023**  
 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; green
[www.wago.com/2009-114/000-023](http://www.wago.com/2009-114/000-023)

**Item no.: 2009-114/000-006**  
 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; blue
[www.wago.com/2009-114/000-006](http://www.wago.com/2009-114/000-006)

**Item no.: 2009-114/000-024**  
 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; violet
[www.wago.com/2009-114/000-024](http://www.wago.com/2009-114/000-024)


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





 **Item no.: 2009-114/000-012** [www.wago.com/2009-114/000-012](http://www.wago.com/2009-114/000-012)  
WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; orange


 **Item no.: 2009-114** [www.wago.com/2009-114](http://www.wago.com/2009-114)  
WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; white


 **Item no.: 793-4501/000-002** [www.wago.com/793-4501/000-002](http://www.wago.com/793-4501/000-002)  
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; yellow


 **Item no.: 793-4501/000-006** [www.wago.com/793-4501/000-006](http://www.wago.com/793-4501/000-006)  
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; blue


 **Item no.: 793-4501/000-014** [www.wago.com/793-4501/000-014](http://www.wago.com/793-4501/000-014)  
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; brown


 **Item no.: 793-4501** [www.wago.com/793-4501](http://www.wago.com/793-4501)  
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; white

 **Item no.: 793-4501/000-023** [www.wago.com/793-4501/000-023](http://www.wago.com/793-4501/000-023)  
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; green

 **Item no.: 793-4501/000-024** [www.wago.com/793-4501/000-024](http://www.wago.com/793-4501/000-024)  
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; violet

 **Item no.: 793-4501/000-005** [www.wago.com/793-4501/000-005](http://www.wago.com/793-4501/000-005)  
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; red

 **Item no.: 793-4501/000-007** [www.wago.com/793-4501/000-007](http://www.wago.com/793-4501/000-007)  
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; gray

 **Item no.: 793-4501/000-012** [www.wago.com/793-4501/000-012](http://www.wago.com/793-4501/000-012)  
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; orange

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







Item no.: 793-4501/000-017

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; light green

[www.wago.com/793-4501/000-017](http://www.wago.com/793-4501/000-017)

Group marker carrier

	<p>Item no.: 209-142</p> <p>Group marker carrier; gray</p>	<a href="http://www.wago.com/209-142">www.wago.com/209-142</a>
	<p>Item no.: 209-141</p> <p>Group marker carrier; gray</p>	<a href="http://www.wago.com/209-141">www.wago.com/209-141</a>
	<p>Item no.: 209-140</p> <p>Group marker carrier; gray</p>	<a href="http://www.wago.com/209-140">www.wago.com/209-140</a>
	<p>Item no.: 249-105</p> <p>Group marker carrier; gray</p>	<a href="http://www.wago.com/249-105">www.wago.com/249-105</a>

Downloads

Documentation

Bid Text

279-837 X81 - Datei	2019 Feb 19	xml 3.1 kB	Download
279-837 doc - Datei	2017 Feb 28	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 279-837		URL	Download
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CAE data

WSCAD Universe 279-837		URL	Download
ZUKEN Portal 279-837		URL	Download

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EPLAN Data Portal 279-837

URL

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 279-837

URL

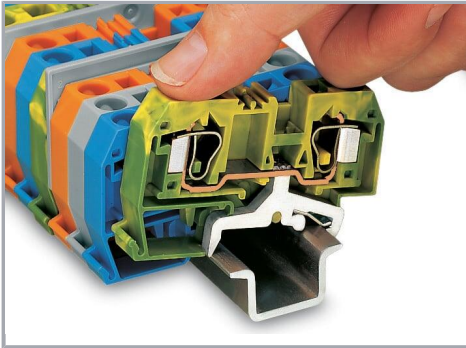
Download

4-conductor ground terminal block; 1.5 mm<sup>2</sup>; center marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 1,50 mm<sup>2</sup>; green-yellow

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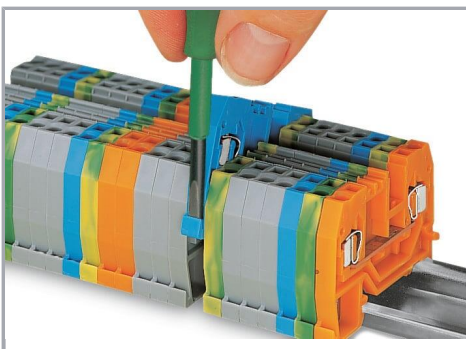
## Installation Notes

### Installation



Snapping a ground conductor block onto the DIN-rail automatically makes a direct electrical connection to the rail.

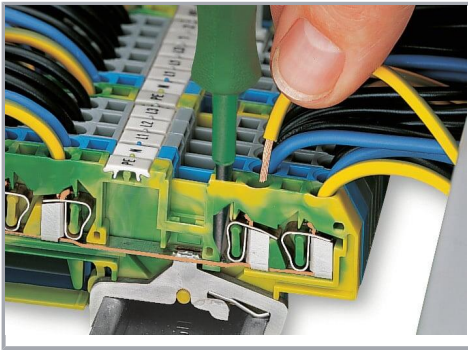
Quick assembly keys prevent reverse mounting.



Removing a terminal block from the assembly.

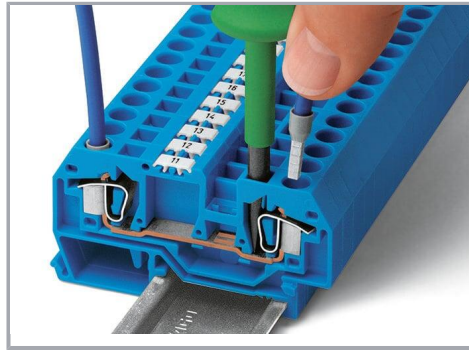
### Conductor termination

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



CAGE CLAMP® connection

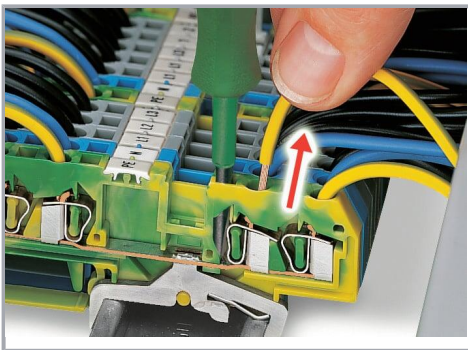
Inserting a conductor.



CAGE CLAMP® connection

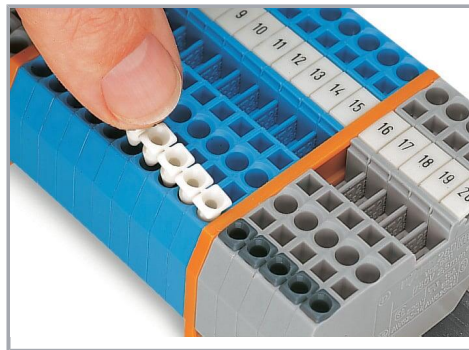
Inserting a conductor.

With ferruled conductors, it is necessary to use a terminal block one size larger than the conductor's nominal cross-section.



CAGE CLAMP® connection

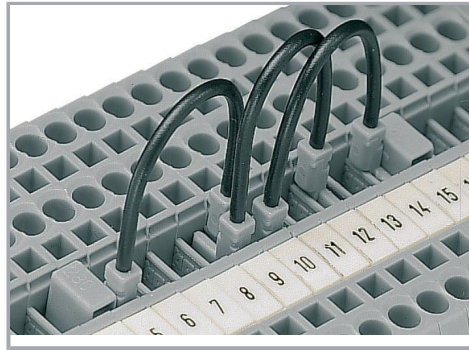
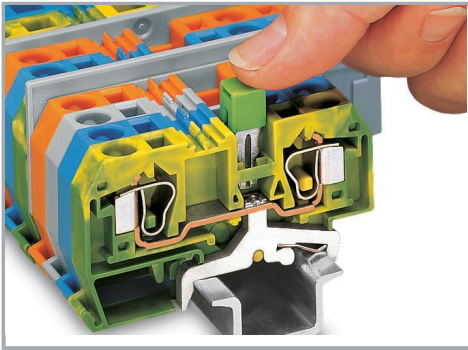
Removing a solid conductor.



Inserting insulation stops.

### Commoning

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



Commoning ground conductor terminal blocks with through terminal blocks is possible in one direction only (via rear side of terminal block) using adjacent jumpers. WAGO recommends using yellow-green adjacent jumpers in addition to the required marking of these blocks.

#### Push-In Type Wire Jumpers

When installing machines or control systems, it is often necessary to make an additional connection between two terminal blocks that are not next to each other on the rail. In such cases, WAGO's touch-proof, push-in type wire jumpers are the ideal solution.

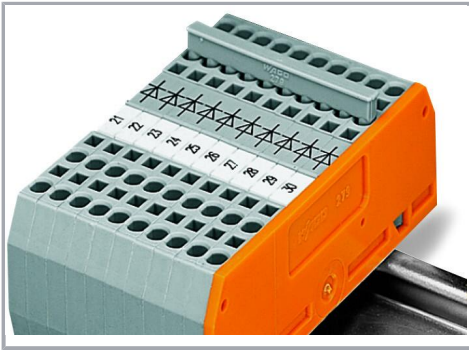
These jumpers are compatible with the following rail-mount terminal blocks:

- 279 Series (1.5 mm<sup>2</sup>/16 AWG),
- 280/775/780 Series (2.5 mm<sup>2</sup>/14 AWG)
- 281/769/776/777/781 and 880 Series (4 mm<sup>2</sup> /12 AWG)

They are available in three conductor lengths (60, 110 and 250 mm), allowing up to 60 terminal blocks to be commoned depending on their width (see table on the right).

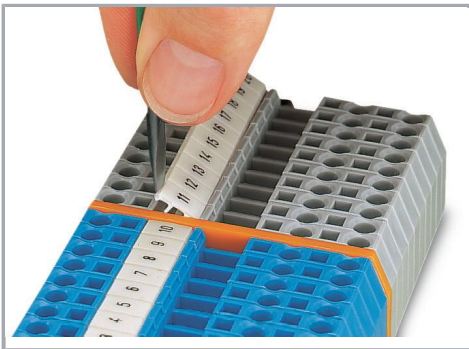
The 280/775/780 and 281/776/777/781 Series Terminal Blocks accept two wire jumpers, allowing the use of commoning chains. Furthermore, the 280/769/775/780 /880 and 281/776/777/781 Series allow both wire jumper and adjacent jumper to be simultaneously plugged into a same terminal block.

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



Commoning using comb-style jumper bars:  
Push comb-style jumper bars down until fully inserted.

### Marking



Labeling via WMB Multi Marking System.

### Product family

#### Classic

EPSITRON® CLASSIC POWER: The Robust Power Supply – with Integrated TopBoost (Optional)

[Show all products from the family](#)

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