

**Data sheet | Item number: 282-107**

2-conductor ground terminal block; 6 mm<sup>2</sup>; lateral marker slots; for DIN-rail  
35 x 15 and 35 x 7.5; CAGE CLAMP®; 6,00 mm<sup>2</sup>; green-yellow



[www.wago.com/282-107](http://www.wago.com/282-107)

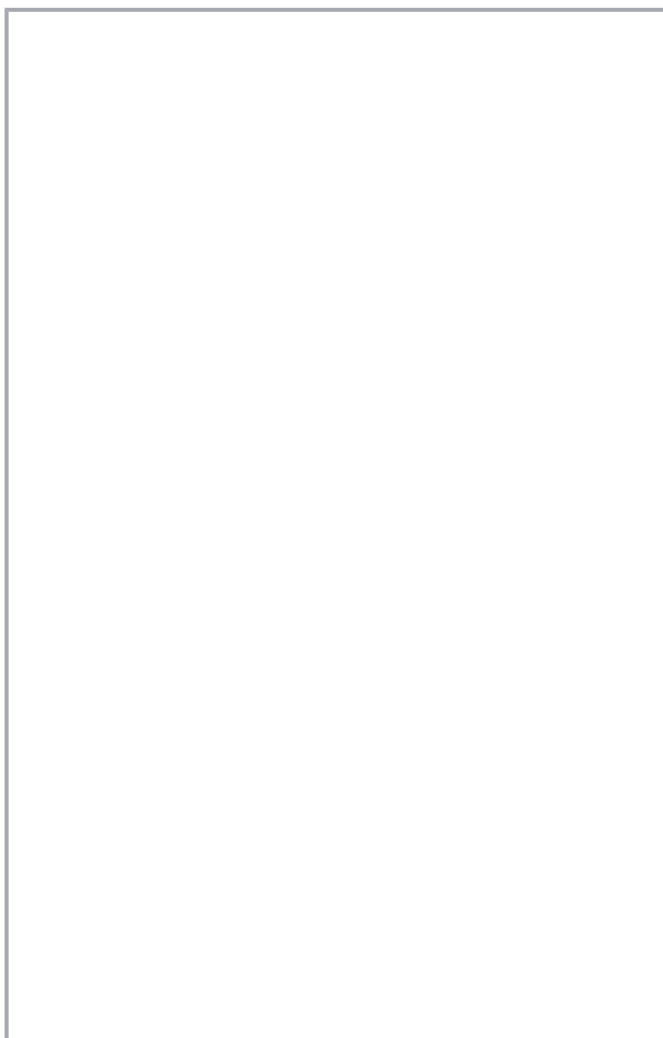


Color:

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

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## Data

### Electrical data

### Ratings per IEC/EN

Ratings per	IEC/EN 60947-7-2
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### Connection data

Connection points	2
Total number of potentials	1
Number of levels	1

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## Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Solid conductor	0.2 ... 6 mm <sup>2</sup> / 24 ... 10 AWG
Fine-stranded conductor	0.2 ... 6 mm <sup>2</sup> / 24 ... 10 AWG
Strip length	12 ... 13 mm / 0.47 ... 0.51 inches
Wiring direction	Side-entry wiring

## Physical data

Width	8 mm / 0.315 inches
Height	46.5 mm / 1.831 inches
Depth from upper-edge of DIN-rail	37 mm / 1.457 inches

## Mechanical Data

Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Side 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	0.193 MJ
Weight	19 g

## Environmental requirements

Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C

## Commercial data

eCl@ss 10.0	27-14-11-41
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Subject to changes. Please also observe the further product documentation!



eCl@ss 9.0	27-14-11-41
ETIM 8.0	EC000901
ETIM 7.0	EC000901
PU (SPU)	50 pcs
Packaging type	box
Country of origin	DE
GTIN	4045454084523
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	7(a) 7(c)-I 7(c)-II
SCIP notification number (Bulgaria)	160e05d9-498a-4107-a359-f52236766aa6
SCIP notification number (Czech Republic)	73a01a4d-6d42-4460-a718-bb328e979e34

## Approvals / Certificates

### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>CCA</b> DEKRA Certification B.V.	EN 60947	NTR NL 7894
	<b>KEMA/KEUR</b> DEKRA Certification B.V.	EN 60947	71- 120778
	<b>UL</b> UL International Germany GmbH	UL 1059	E45172

### Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	<b>EU-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-
	<b>UK-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-

### Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name

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<b>ABS</b> American Bureau of Shipping	EN 60947	20- HG1941090- PDA
<b>BV</b> Bureau Veritas S.A.	EN 60947	07436/F0 BV
<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2

## Required accessories

### End plate

End plate		
<b>Item no.: 282-301</b> End and intermediate plate; 4 mm thick; gray		<a href="http://www.wago.com/282-301">www.wago.com/282-301</a>
<b>Item no.: 282-302</b> End and intermediate plate; 4 mm thick; orange		<a href="http://www.wago.com/282-302">www.wago.com/282-302</a>

## Optional accessories

### End plate

End plate		
<b>Item no.: 282-332</b> Separator plate; 2 mm thick; oversized; gray		<a href="http://www.wago.com/282-332">www.wago.com/282-332</a>
<b>Item no.: 282-322</b> Separator plate; 2 mm thick; oversized; orange		<a href="http://www.wago.com/282-322">www.wago.com/282-322</a>

### 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>

### Ferrule

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

**Item no.: 216-263**

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; [www.wago.com/216-263](http://www.wago.com/216-263)  
acc. to DIN 46228, Part 4/09.90; red

**Item no.: 216-266**

Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue [www.wago.com/216-266](http://www.wago.com/216-266)

**Item no.: 216-264**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black [www.wago.com/216-264](http://www.wago.com/216-264)

**Item no.: 216-262**

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray [www.wago.com/216-262](http://www.wago.com/216-262)

**Item no.: 216-267**

Ferrule; Sleeve for 4 mm<sup>2</sup> / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray [www.wago.com/216-267](http://www.wago.com/216-267)

**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.: 210-504**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored [www.wago.com/210-504](http://www.wago.com/210-504)

**Item no.: 210-505**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored [www.wago.com/210-505](http://www.wago.com/210-505)

**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.: 210-113**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored [www.wago.com/210-113](http://www.wago.com/210-113)

**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)

**Item no.: 210-112**

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 [www.wago.com/210-112](http://www.wago.com/210-112)

**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)

**Item no.: 210-115**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; [www.wago.com/210-115](http://www.wago.com/210-115)

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

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silver-colored

**Item no.: 210-196**Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored [www.wago.com/210-196](http://www.wago.com/210-196)**Protective warning marker**

Cover

**Item no.: 282-405**Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow [www.wago.com/282-405](http://www.wago.com/282-405)**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.: 709-310**B-type test plug module; modular; suitable for all WAGO 282 Series rail-mounted terminal blocks with jumper slots; 6,00 mm<sup>2</sup>; gray [www.wago.com/709-310](http://www.wago.com/709-310)**Item no.: 709-311**B-type spacer module; modular; e.g., for bridging commoned terminal blocks; gray [www.wago.com/709-311](http://www.wago.com/709-311)**Tool**

Operating tool

**Item no.: 210-721**Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured [www.wago.com/210-721](http://www.wago.com/210-721)**Marking accessories**

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**

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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; 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** [www.wago.com/793-501/000-002](http://www.wago.com/793-501/000-002)  
WMB marking card; as card; not stretchable; plain; snap-on type; yellow

**Item no.: 793-501/000-007** [www.wago.com/793-501/000-007](http://www.wago.com/793-501/000-007)  
WMB marking card; as card; not stretchable; plain; snap-on type; gray

**Item no.: 793-501/000-017** [www.wago.com/793-501/000-017](http://www.wago.com/793-501/000-017)  
WMB marking card; as card; not stretchable; plain; snap-on type; light green

**Item no.: 793-501/000-012** [www.wago.com/793-501/000-012](http://www.wago.com/793-501/000-012)  
WMB marking card; as card; not stretchable; plain; snap-on type; orange

**Item no.: 793-501/000-023** [www.wago.com/793-501/000-023](http://www.wago.com/793-501/000-023)  
WMB marking card; as card; not stretchable; plain; snap-on type; green

**Item no.: 793-501/000-006** [www.wago.com/793-501/000-006](http://www.wago.com/793-501/000-006)  
WMB marking card; as card; not stretchable; plain; snap-on type; blue

**Item no.: 793-501/000-005** [www.wago.com/793-501/000-005](http://www.wago.com/793-501/000-005)  
WMB marking card; as card; not stretchable; plain; snap-on type; red

**Item no.: 793-501** [www.wago.com/793-501](http://www.wago.com/793-501)  
WMB marking card; as card; not stretchable; plain; snap-on type; white

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





<b>Item no.: 793-501/000-024</b> WMB marking card; as card; not stretchable; plain; snap-on type; violet	<a href="http://www.wago.com/793-501/000-024">www.wago.com/793-501/000-024</a>
<b>Item no.: 793-5501/000-005</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red	<a href="http://www.wago.com/793-5501/000-005">www.wago.com/793-5501/000-005</a>
<b>Item no.: 793-5501/000-002</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	<a href="http://www.wago.com/793-5501/000-002">www.wago.com/793-5501/000-002</a>
<b>Item no.: 793-5501/000-006</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue	<a href="http://www.wago.com/793-5501/000-006">www.wago.com/793-5501/000-006</a>
<b>Item no.: 793-5501</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white	<a href="http://www.wago.com/793-5501">www.wago.com/793-5501</a>
<b>Item no.: 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>Item no.: 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>
Group marker carrier	
<b>Item no.: 209-144</b> Group marker carrier; gray	<a href="http://www.wago.com/209-144">www.wago.com/209-144</a>
<b>Item no.: 209-143</b> Group marker carrier; gray	<a href="http://www.wago.com/209-143">www.wago.com/209-143</a>
<b>Item no.: 249-105</b> Group marker carrier; gray	<a href="http://www.wago.com/249-105">www.wago.com/249-105</a>
<b>Jumpers</b>	
Jumper	
<b>Item no.: 282-409</b> Jumper; insulated; gray	<a href="http://www.wago.com/282-409">www.wago.com/282-409</a>
<b>Item no.: 282-424</b> Jumper; insulated; orange	<a href="http://www.wago.com/282-424">www.wago.com/282-424</a>
<b>Item no.: 282-402</b> Jumper; insulated; gray	<a href="http://www.wago.com/282-402">www.wago.com/282-402</a>
<b>Item no.: 282-422</b> Jumper; insulated; yellow-green	<a href="http://www.wago.com/282-422">www.wago.com/282-422</a>
<b>Item no.: 709-110</b>	

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

Wire commoning chain; 2.5 mm<sup>2</sup>; insulated; black[www.wago.com/709-110](http://www.wago.com/709-110)**Item no.: 709-112**Wire commoning chain; 2.5 mm<sup>2</sup>; insulated; black[www.wago.com/709-112](http://www.wago.com/709-112)**Item no.: 709-111**Wire commoning chain; 2.5 mm<sup>2</sup>; insulated; black[www.wago.com/709-111](http://www.wago.com/709-111)**Downloads****Documentation****Bid Text**

282-107 X81 - Datei	2019 年2月19 日	xml 3.1 kB	Download
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282-107 doc - Datei	2017 年6月12 日	doc 24.6 kB	Download
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**Additional Information**

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**CAD/CAE-Data****CAE data**

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WSCAD Universe 282-107		URL	Download
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ZUKEN Portal 282-107		URL	Download
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**CAD data**

2D/3D Models 282-107		URL	Download
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**Environmental Product Compliance****Compliance Search**

Environmental Product Compliance 282-107		URL	Download
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2-conductor ground terminal block; 6 mm<sup>2</sup>; lateral marker slots; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 6,00 mm<sup>2</sup>; green-yellow

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

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## Installation Notes



Snapping a terminal block onto the DIN-rail.

Ground conductor terminal blocks snap onto the rail in the same way as through terminal blocks, but automatically make a direct electrical connection to the rail.

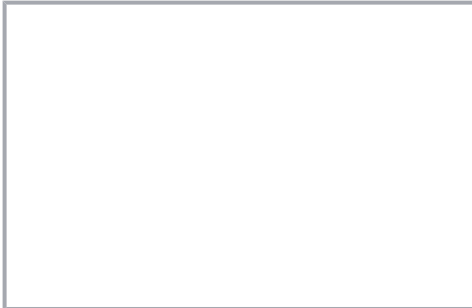
After mounting, sliding the blocks on the rail is not possible.



Removing a terminal block from the DIN-rail.

When mounting on the DIN-35 rail, ensure that open sides of terminal blocks face in the same direction.

Both mounting feet and removal slots are on the same side for all terminal blocks, making it possible to visually ensure blocks are facing in same direction.



### 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.

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

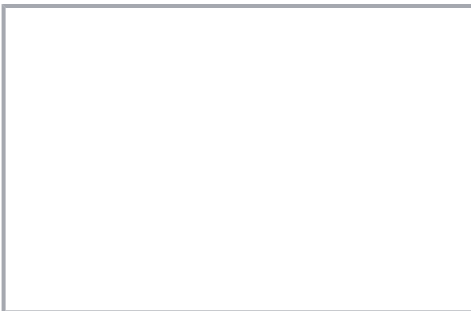


Push jumper down until fully inserted.

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.



When operating the handles beyond the locked position, the ratchet allows the tool to open and be removed from the terminal block.



Labeling via WMB Multi Marking System.

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