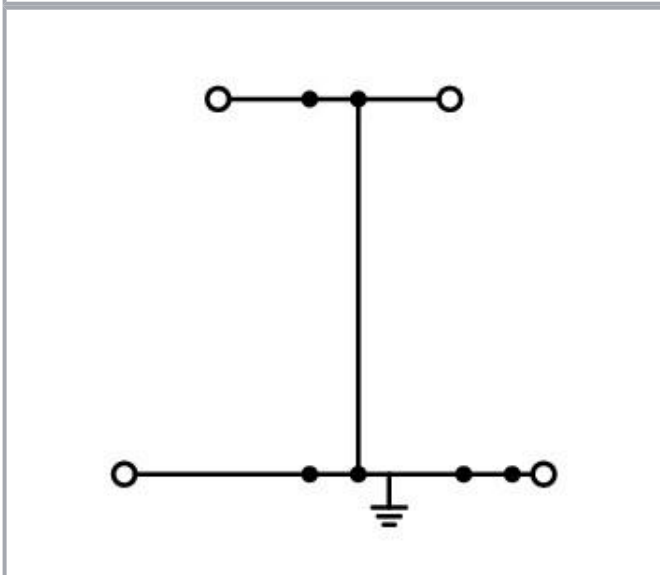
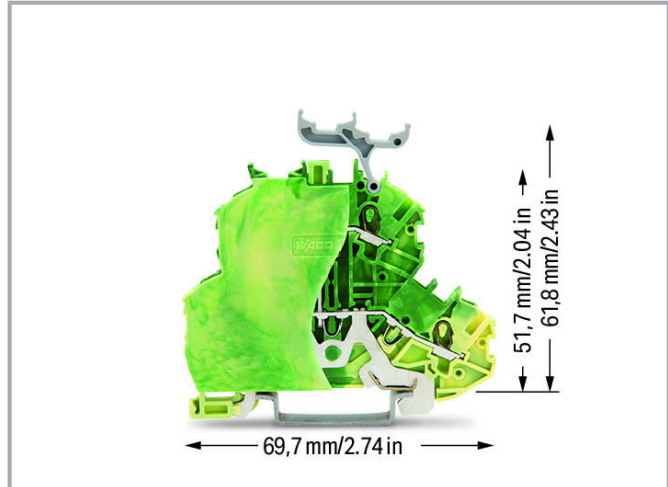


Data sheet | Item number: 2000-2237/099-000

Double-deck terminal block; 4-conductor ground terminal block; with end plate; 1 mm<sup>2</sup>; PE; internal commoning; with marker carrier; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 1,00 mm<sup>2</sup>; green-yellow



[www.wago.com/2000-2237/099-000](http://www.wago.com/2000-2237/099-000)



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## Data

### Electrical data

### Ratings per IEC/EN

Ratings per	IEC/EN 60947-7-2
-------------	------------------

### Ex information

Rated current (Ex e II)	13 A
Rated current (Ex e II) with jumper	12 A

### Connection data

Total number of connection points	4
Total number of potentials	2
Number of levels	2
Number of jumper slots	3

### Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-in Operating tool
Connectable conductor materials	Copper
Nominal cross-section	1 mm <sup>2</sup>
Solid conductor	0.14 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG
Solid conductor; push-in termination	0.5 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG
Fine-stranded conductor	0.14 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 ... 0.75 mm <sup>2</sup> / 24 ... 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 ... 0.75 mm <sup>2</sup> / 20 ... 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Strip length	9 ... 11 mm / 0.35 ... 0.43 inch
Wiring direction	Front-entry wiring

### Physical data

Width	4.2 mm / 0.165 inch
Height	69.7 mm / 2.744 inch

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

Depth from upper edge of DIN-rail	61.8 mm / 2.433 inch
-----------------------------------	----------------------

### Mechanical data

Potentialkennzeichnung	PE
Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Center/side marking

### Material data



Color	green-yellow
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.218 MJ
Weight	12.1 g

### Commercial data

Product Group	22 (TOPJOB S)
PU (SPU)	50 Stück
Packaging type	box
Country of origin	DE
GTIN	4050821037699
Customs tariff number	85369010000

### Approvals / Certificates

#### Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	AEx Underwriters Laboratories Inc.	UL 60079	E185892 (AEx eb IIC resp. Ex eb IIC)
	EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	RU C-DE. AM02.B. 00127/19 (Ex e IIC Gb U)



#### Country specific Approvals

Certificate


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Logo	Approval	Additional Approval Text	name
	CCA DEKRA Certification B.V.	EN 60947	71-102841
	CCA DEKRA Certification B.V.	EN 60947	NTR NL 7671



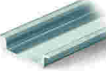




UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 1059	E45172

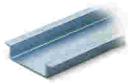
Optional accessories

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.: 210-113</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>

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



**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)

**Tool**

Operating tool



**Item no.: 210-648**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short

[www.wago.com/210-648](http://www.wago.com/210-648)



**Item no.: 210-647**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

[www.wago.com/210-647](http://www.wago.com/210-647)



**Item no.: 210-719**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

[www.wago.com/210-719](http://www.wago.com/210-719)

**Push-in type wire jumper**

Jumper



**Item no.: 2009-404**

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

[www.wago.com/2009-404](http://www.wago.com/2009-404)



**Item no.: 2009-402**

Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 60 mm long; gray

[www.wago.com/2009-402](http://www.wago.com/2009-402)



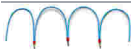
**Item no.: 2009-406**

Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 250 mm long; gray

[www.wago.com/2009-406](http://www.wago.com/2009-406)

**Jumpers**

Jumper



**Item no.: 210-123**

Wire commoning chain; insulated; blue

[www.wago.com/210-123](http://www.wago.com/210-123)



**Item no.: 2001-402**

Jumper; 2-way; insulated; light gray

[www.wago.com/2001-402](http://www.wago.com/2001-402)



**Item no.: 2001-403**

Jumper; 3-way; insulated; light gray

[www.wago.com/2001-403](http://www.wago.com/2001-403)



**Item no.: 2001-405**

Jumper; 5-way; insulated; light gray

[www.wago.com/2001-405](http://www.wago.com/2001-405)



**Item no.: 2001-406/020-000**

Delta jumper; insulated; light gray

[www.wago.com/2001-406/020-000](http://www.wago.com/2001-406/020-000)



**Item no.: 2001-405/011-000**

Star point jumper; 3-way; insulated; light gray

[www.wago.com/2001-405/011-000](http://www.wago.com/2001-405/011-000)



**Item no.: 2001-407**

Jumper; 7-way; insulated; light gray

[www.wago.com/2001-407](http://www.wago.com/2001-407)

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	<b>Item no.: 2001-409</b> Jumper; 9-way; insulated; light gray	<a href="http://www.wago.com/2001-409">www.wago.com/2001-409</a>
	<b>Item no.: 2001-406</b> Jumper; 6-way; insulated; light gray	<a href="http://www.wago.com/2001-406">www.wago.com/2001-406</a>
	<b>Item no.: 2001-404</b> Jumper; 4-way; insulated; light gray	<a href="http://www.wago.com/2001-404">www.wago.com/2001-404</a>
	<b>Item no.: 2001-410</b> Jumper; 10-way; insulated; light gray	<a href="http://www.wago.com/2001-410">www.wago.com/2001-410</a>
	<b>Item no.: 2001-433</b> Jumper; from 1 to 3; insulated; light gray	<a href="http://www.wago.com/2001-433">www.wago.com/2001-433</a>
	<b>Item no.: 2001-435</b> Jumper; from 1 to 5; insulated; light gray	<a href="http://www.wago.com/2001-435">www.wago.com/2001-435</a>
	<b>Item no.: 2001-408</b> Jumper; 8-way; insulated; light gray	<a href="http://www.wago.com/2001-408">www.wago.com/2001-408</a>
	<b>Item no.: 2001-437</b> Jumper; from 1 to 7; insulated; light gray	<a href="http://www.wago.com/2001-437">www.wago.com/2001-437</a>
	<b>Item no.: 2001-436</b> Jumper; from 1 to 6; insulated; light gray	<a href="http://www.wago.com/2001-436">www.wago.com/2001-436</a>
	<b>Item no.: 2001-440</b> Jumper; from 1 to 10; insulated; light gray	<a href="http://www.wago.com/2001-440">www.wago.com/2001-440</a>
	<b>Item no.: 2001-438</b> Jumper; from 1 to 8; insulated; light gray	<a href="http://www.wago.com/2001-438">www.wago.com/2001-438</a>
	<b>Item no.: 2001-434</b> Jumper; from 1 to 4; insulated; light gray	<a href="http://www.wago.com/2001-434">www.wago.com/2001-434</a>
	<b>Item no.: 2001-439</b> Jumper; from 1 to 9; insulated; light gray	<a href="http://www.wago.com/2001-439">www.wago.com/2001-439</a>
	<b>Item no.: 210-103</b> Wire commoning chain; insulated; black	<a href="http://www.wago.com/210-103">www.wago.com/210-103</a>

**Marking accessories**













Marking strip

	<b>Item no.: 2009-110</b> Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	<a href="http://www.wago.com/2009-110">www.wago.com/2009-110</a>
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Marker

	<b>Item no.: 2009-114/000-002</b> WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; yellow	<a href="http://www.wago.com/2009-114/000-002">www.wago.com/2009-114/000-002</a>
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Subject to changes. Please also observe the further product documentation!

	<b>Item no.: 2009-114/000-005</b> WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; red	<a href="http://www.wago.com/2009-114/000-005">www.wago.com/2009-114/000-005</a>
	<b>Item no.: 2009-114/000-007</b> WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; gray	<a href="http://www.wago.com/2009-114/000-007">www.wago.com/2009-114/000-007</a>
	<b>Item no.: 2009-114/000-023</b> WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; green	<a href="http://www.wago.com/2009-114/000-023">www.wago.com/2009-114/000-023</a>
	<b>Item no.: 2009-114/000-006</b> WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; blue	<a href="http://www.wago.com/2009-114/000-006">www.wago.com/2009-114/000-006</a>
	<b>Item no.: 2009-114/000-024</b> WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; violet	<a href="http://www.wago.com/2009-114/000-024">www.wago.com/2009-114/000-024</a>
	<b>Item no.: 2009-114/000-012</b> WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; orange	<a href="http://www.wago.com/2009-114/000-012">www.wago.com/2009-114/000-012</a>
	<b>Item no.: 2009-114</b> WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; white	<a href="http://www.wago.com/2009-114">www.wago.com/2009-114</a>
	<b>Item no.: 793-4501/000-002</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; yellow	<a href="http://www.wago.com/793-4501/000-002">www.wago.com/793-4501/000-002</a>
	<b>Item no.: 793-4501/000-006</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; blue	<a href="http://www.wago.com/793-4501/000-006">www.wago.com/793-4501/000-006</a>
	<b>Item no.: 793-4501/000-014</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; brown	<a href="http://www.wago.com/793-4501/000-014">www.wago.com/793-4501/000-014</a>
	<b>Item no.: 793-4501</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; white	<a href="http://www.wago.com/793-4501">www.wago.com/793-4501</a>
	<b>Item no.: 793-4501/000-023</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; light green	<a href="http://www.wago.com/793-4501/000-023">www.wago.com/793-4501/000-023</a>

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



Item no.: 793-4501/000-024

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

[www.wago.com/793-4501/000-024](http://www.wago.com/793-4501/000-024)



Item no.: 793-4501/000-005

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

[www.wago.com/793-4501/000-005](http://www.wago.com/793-4501/000-005)



Item no.: 793-4501/000-007

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

[www.wago.com/793-4501/000-007](http://www.wago.com/793-4501/000-007)



Item no.: 793-4501/000-012

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

[www.wago.com/793-4501/000-012](http://www.wago.com/793-4501/000-012)



Item no.: 793-4501/000-017

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

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

## Mounting

### Mounting accessories



Item no.: 709-156

Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent

[www.wago.com/709-156](http://www.wago.com/709-156)



Item no.: 709-169

Cover carrier; Type 3; gray

[www.wago.com/709-169](http://www.wago.com/709-169)

## Testing and measuring

### Testing accessories



Item no.: 2009-174

Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray

[www.wago.com/2009-174](http://www.wago.com/2009-174)



Item no.: 2009-182

Testing tap; for max. 2.5 mm<sup>2</sup>; tool-free connection for individual test wires 0.08 - 2.5 mm; gray

[www.wago.com/2009-182](http://www.wago.com/2009-182)

## Ferrule

### Ferrule



Item no.: 216-241

Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white

[www.wago.com/216-241](http://www.wago.com/216-241)



Item no.: 216-242

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight

[www.wago.com/216-242](http://www.wago.com/216-242)

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

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crimped; acc. to DIN 46228, Part 4/09.90; gray

	<b>Item no.: 216-243</b> Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	<a href="http://www.wago.com/216-243">www.wago.com/216-243</a>
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**Protective warning marker**

Cover		
	<b>Item no.: 2001-115</b> Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow	<a href="http://www.wago.com/2001-115">www.wago.com/2001-115</a>

**Downloads**

**Documentation**

**Bid Text**

2000-2237/099-000 X81 - Datei	2019. 2. 19.	xml 3.8 kB	Download
2000-2237/099-000 docx - Datei	2018. 8. 7.	docx 15.0 kB	Download

**Additional Information**

		pdf 81.0 kB	Download
Technical explanations		pdf 2.2 MB	Download

**CAD/CAE-Data**

**CAD data**

2D/3D Models 2000-2237/099-000	URL	Download
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**CAE data**

EPLAN Data Portal 2000-2237/099-000	URL	Download
WSCAD Universe 2000-2237/099-000	URL	Download
ZUKEN Portal 2000-2237/099-000	URL	Download
WSCAD Universe 2000-2237/099-000	URL	Download
EPLAN Data Portal 2000-2237/099-000	URL	Download

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 2000-2237/099-000

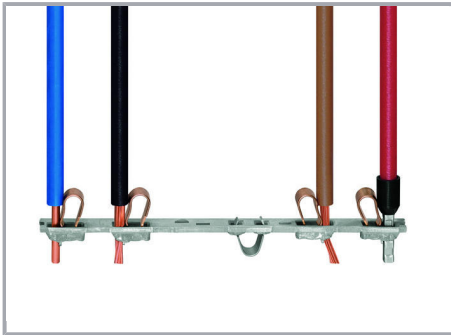
[URL](#)

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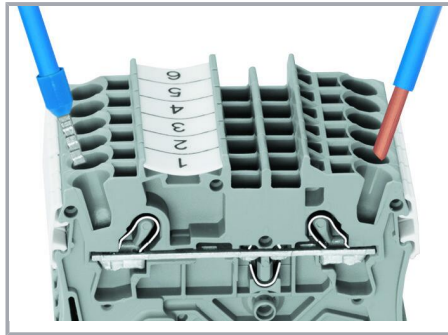
Double-deck terminal block; 4-conductor ground terminal block; with end plate; 1 mm<sup>2</sup>; PE; internal commoning; with marker carrier; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 1,00 mm<sup>2</sup>; green-yellow

## Installation Notes

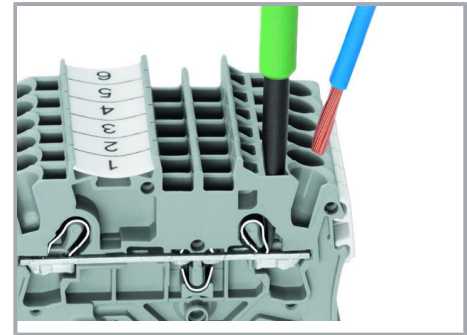
### Conductor termination



All conductor types at a glance



Push-in termination of solid and ferruled conductors



Inserting a conductor via operating tool:

Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.

#### Advantage:

To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees for easier wiring.

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



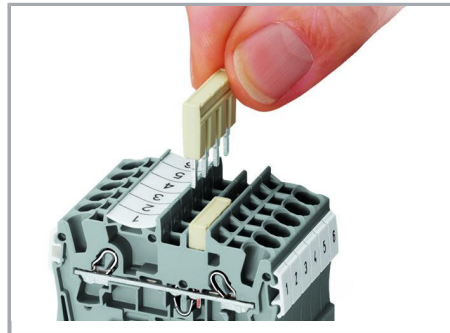
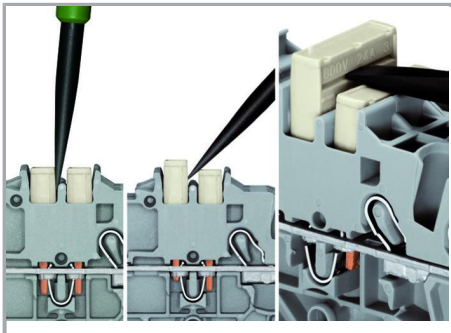
Inserting a conductor via push-in termination:



Conductor termination – insulation stop

Solid conductors with cross-sections from either one size above, or up to two sizes below, the rated cross-section can be simply pushed in – no tools needed.

### Commoning



### Removing a push-in type jumper bar:

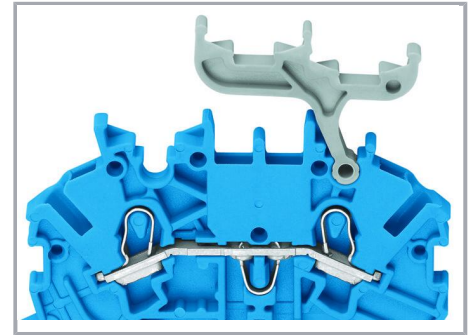
Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper.

Place the operating tool in the center of jumpers for up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.

The push-in type jumper bar system is based on the common plug and socket principle. Each terminal block is spring-loaded with a double socket and a resilient CrNi steel spring. The jumper contact material is pure electrolytic copper, which allows for an extremely small design capable of carrying the full-rated current of the terminal block. Ground terminal blocks can also be commoned using the same jumper system. Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).

### Marking

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



Snapping WMB Inline markers into marker slots.

#### Double-Deck Terminal Blocks

A double-deck marker carrier (2000-121) can be retrofitted to double-deck terminal blocks without a marker carrier.

## Product family

### TOPJOB® S

TOPJOB® S: In various industrial applications and modern building installations, WAGO's wide and versatile range of rail-mount terminal blocks provides more than just reliable electrical connections.

[Show all products from the family](#)

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