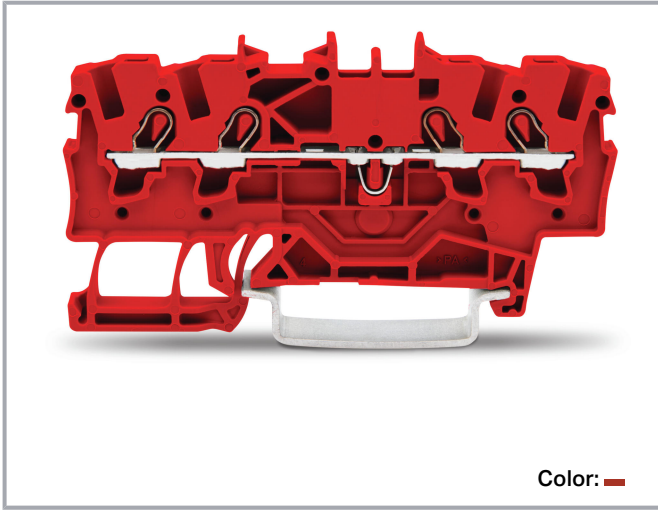


**Data sheet | Item number: 2001-1403**

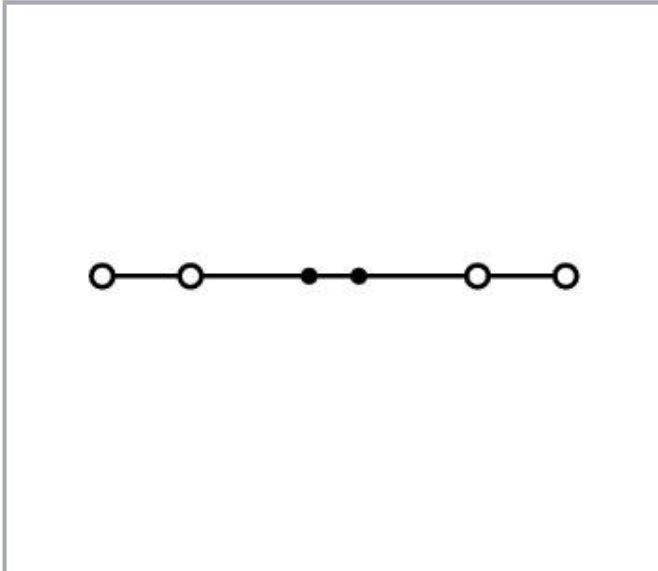
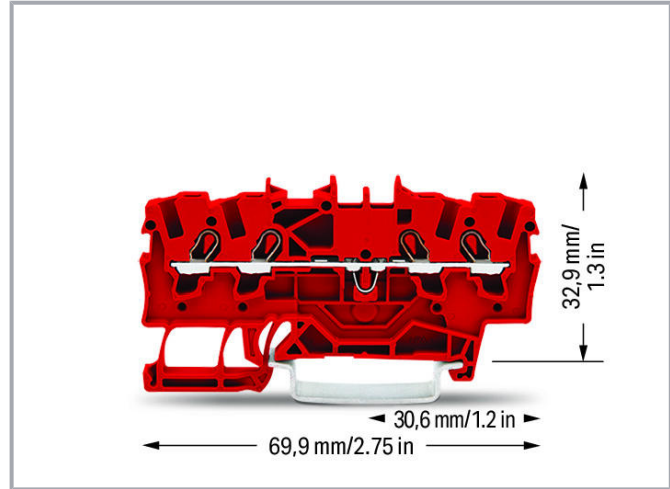
TOPJOB®S feedthrough terminal block; rail mount; 4-conductor; 4.2 mm wide; red



[www.wago.com/2001-1403](http://www.wago.com/2001-1403)



Color: 



**Data**

**Electrical data**

**IEC Approvals**

Ratings per

IEC/EN 60947-7-1

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

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Rated voltage (III / 3)	800 V
Rated surge voltage (III/3)	8 kV
Rated current	18 A
Rated current 2	24 A
Legend (ratings)	(III / 3) $\triangleq$ Overvoltage category III / Pollution degree 3

### UL Approvals

Approvals per	UL 1059
Rated voltage UL (Use Group B)	600 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	15 A

### CSA Approvals

Approvals per	C22.2 No 158
Rated voltage CSA (Use Group B)	600 V
Rated current CSA (Use Group B)	15 A
Rated voltage CSA (Use Group C)	600 V
Rated current CSA (Use Group C)	15 A

### Ex information

Ratings per	ATEX: PTB 05 ATEX 1094 U / IECEx: PTB 05.0034U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	550 V
Rated current (Ex e II)	17 A
Rated current (Ex e II) with jumper	16 A

### Connection data

Connection technology	Push-in CAGE CLAMP <sup>®</sup>
Actuation type	Push-in Open Tool Slot
Connectable conductor materials	Copper
Nominal cross-section	1.5 mm <sup>2</sup>
Solid conductor	0.25 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG
Solid conductor; push-in termination	0.75 ... 2.5 mm <sup>2</sup> / 18 ... 14 AWG
Fine-stranded conductor	0.25 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm <sup>2</sup> / 22 ... 16 AWG

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Fine-stranded conductor; with ferrule; push-in termination	0.75 ... 1.5 mm <sup>2</sup> / 18 ... 16 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
Total number of connection points	4
Total number of potentials	1
Number of levels	1
Wiring type	Front-entry wiring
Number of jumper slots	2

### Physical data

Width	4.2 mm / 0.165 inch
Height	69.9 mm / 2.752 inch
Depth from upper edge of DIN-rail	32.9 mm / 1.295 inch

### Mechanical data

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

### Material data

Color	red
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.124 MJ
Weight	5.2 g

### Commercial data

Product Group	22 (TOPJOB S)
Packaging type	BOX
Country of origin	DE
GTIN	4045454537418
Customs tariff number	8536904000

### Approvals / Certificates





#### Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
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	ATEX Physikalisch Technische Bundesanstalt (PTB)	EN 60079	PTB 05 ATEX 1094 U (II 2 G Ex e II bzw. I M 2 Ex e I)
	CCCEX CQST/CNEx	CNCA-C23-01	2020312313000159
	EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	RU C-DE.AM02.B. 00127/19
	IECEX Physikalisch Technische Bundesanstalt (PTB)	IEC 60079	IECEX PTB 05. 0034 U (Ex eb IIC Gb or Ex eb I Mb)

## Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	2160584.07
	CCA DEKRA Certification B.V.	EN 60947	NTR NL- 7084
	CSA DEKRA Certification B.V.	C22.2 No. 158	1645434

## Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	EN 60947	20- HG1941090- PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2

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LR  
Lloyds Register

EN 60947



91/20112  
(E9)

### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1059	20190731- E45172







### Required accessories

#### End plates

	Item no.: 2002-1491 TOPJOB®S end/intermediate plate; for 2002-14xx series terminal blocks; 0.8 mm wide; gray	<a href="http://www.wago.com/2002-1491">www.wago.com/2002-1491</a>
	Item no.: 2002-1492 TOPJOB®S end/intermediate plate; for 2002-14xx series terminal blocks; 0.8 mm wide; orange	<a href="http://www.wago.com/2002-1492">www.wago.com/2002-1492</a>

### Optional accessories

#### Marking accessories

	Item no.: 2009-110 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>
	Item no.: 2009-114 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>
	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	<a href="http://www.wago.com/2009-114/000-002">www.wago.com/2009-114/000-002</a>
	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	<a href="http://www.wago.com/2009-114/000-005">www.wago.com/2009-114/000-005</a>
	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	<a href="http://www.wago.com/2009-114/000-006">www.wago.com/2009-114/000-006</a>
	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	<a href="http://www.wago.com/2009-114/000-007">www.wago.com/2009-114/000-007</a>

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*	<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.: 2009-114/000-023</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.: 2009-114/000-024</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.: 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.: 793-4501/000-002</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.: 793-4501/000-005</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; red	<a href="http://www.wago.com/793-4501/000-005">www.wago.com/793-4501/000-005</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.: 793-4501/000-007</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; gray	<a href="http://www.wago.com/793-4501/000-007">www.wago.com/793-4501/000-007</a>
📊	<b>Item no.: 793-4501/000-012</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; orange	<a href="http://www.wago.com/793-4501/000-012">www.wago.com/793-4501/000-012</a>
📊	<b>Item no.: 793-4501/000-017</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; green	<a href="http://www.wago.com/793-4501/000-017">www.wago.com/793-4501/000-017</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>
📊	<b>Item no.: 793-4501/000-024</b> WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; violet	<a href="http://www.wago.com/793-4501/000-024">www.wago.com/793-4501/000-024</a>
☐	<b>Item no.: 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>Item no.: 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>

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	<b>Item no.: 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>Item no.: 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>Item no.: 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>
	<b>Item no.: 793-501/000-012</b> WMB marking card; as card; not stretchable; plain; snap-on type; orange	<a href="http://www.wago.com/793-501/000-012">www.wago.com/793-501/000-012</a>
	<b>Item no.: 793-501/000-017</b> WMB marking card; as card; not stretchable; plain; snap-on type; light green	<a href="http://www.wago.com/793-501/000-017">www.wago.com/793-501/000-017</a>
	<b>Item no.: 793-501/000-023</b> WMB marking card; as card; not stretchable; plain; snap-on type; green	<a href="http://www.wago.com/793-501/000-023">www.wago.com/793-501/000-023</a>
	<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>

**Testing accessories**

	<b>Item no.: 2001-511</b> TOPJOB® S modular connector; for 2001 series; for jumper contact slot; 1-pole; gray	<a href="http://www.wago.com/2001-511">www.wago.com/2001-511</a>
	<b>Item no.: 2001-549</b> TOPJOB® S spacer module; for 2001-511; 4.2 mm wide; gray	<a href="http://www.wago.com/2001-549">www.wago.com/2001-549</a>
	<b>Item no.: 2001-552</b> TOPJOB® S connector strip; for 2001 series; for jumper contact slot; 2-pole; gray	<a href="http://www.wago.com/2001-552">www.wago.com/2001-552</a>
	<b>Item no.: 2001-553</b> TOPJOB® S connector strip; for 2001 series; for jumper contact slot; 3-pole; gray	<a href="http://www.wago.com/2001-553">www.wago.com/2001-553</a>
	<b>Item no.: 2001-554</b> TOPJOB® S connector strip; for 2001 series; for jumper contact slot; 4-pole; gray	<a href="http://www.wago.com/2001-554">www.wago.com/2001-554</a>
	<b>Item no.: 2001-555</b> TOPJOB® S connector strip; for 2001 series; for jumper contact slot; 5-pole; gray	<a href="http://www.wago.com/2001-555">www.wago.com/2001-555</a>
	<b>Item no.: 2001-556</b> TOPJOB® S connector strip; for 2001 series; for jumper contact slot; 6-pole; gray	<a href="http://www.wago.com/2001-556">www.wago.com/2001-556</a>
	<b>Item no.: 2001-557</b> TOPJOB® S connector strip; for 2001 series; for jumper contact slot; 7-pole; gray	<a href="http://www.wago.com/2001-557">www.wago.com/2001-557</a>

**Item no.: 2001-558**

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

	TOPJOB® S connector strip; for 2001 series; for jumper contact slot; 8-pole; gray	<a href="http://www.wago.com/2001-558">www.wago.com/2001-558</a>
	<b>Item no.: 2001-559</b> TOPJOB® S connector strip; for 2001 series; for jumper contact slot; 9-pole; gray	<a href="http://www.wago.com/2001-559">www.wago.com/2001-559</a>
	<b>Item no.: 2001-560</b> TOPJOB® S connector strip; for 2001 series; for jumper contact slot; 10-pole; gray	<a href="http://www.wago.com/2001-560">www.wago.com/2001-560</a>
	<b>Item no.: 2009-174</b> TOPJOB®S test plug adapter; for test plug 4 mm Ø; for testing TOPJOB®S terminal blocks; gray	<a href="http://www.wago.com/2009-174">www.wago.com/2009-174</a>
	<b>Item no.: 2009-182</b> TOPJOB®S testing tap; tool-free; 12 AWG max; for testing TOPJOB®S terminal blocks; gray	<a href="http://www.wago.com/2009-182">www.wago.com/2009-182</a>
<b>Insulations stops</b>		
	<b>Item no.: 2001-171</b> TOPJOB®S insulation stop; for 2001 series terminal blocks; 0.25 - 0.5 mm <sup>2</sup> ; 5/strip; light gray	<a href="http://www.wago.com/2001-171">www.wago.com/2001-171</a>
<b>Push-in type wire jumper</b>		
	<b>Item no.: 2009-412</b> TOPJOB®S wire jumper; insulated; 60 mm long; conductor cross section 1.5 mm <sup>2</sup> ; suitable for 2001, 2002, 2003 and 2022 series terminal blocks; gray	<a href="http://www.wago.com/2009-412">www.wago.com/2009-412</a>
	<b>Item no.: 2009-414</b> TOPJOB®S wire jumper; insulated; 110 mm long; conductor cross section 1.5 mm <sup>2</sup> ; suitable for 2001, 2002, 2003 and 2022 series terminal blocks; gray	<a href="http://www.wago.com/2009-414">www.wago.com/2009-414</a>
	<b>Item no.: 2009-414/000-005</b> Push-in type wire jumper; 1.5 mm <sup>2</sup> ; insulated; 110 mm long; black	<a href="http://www.wago.com/2009-414/000-005">www.wago.com/2009-414/000-005</a>
	<b>Item no.: 2009-414/000-006</b> Push-in type wire jumper; insulated; 110 mm long; black	<a href="http://www.wago.com/2009-414/000-006">www.wago.com/2009-414/000-006</a>
	<b>Item no.: 2009-416</b> TOPJOB®S wire jumper; insulated; 250 mm long; conductor cross section 1.5 mm <sup>2</sup> ; suitable for 2001, 2002, 2003 and 2022 series terminal blocks; gray	<a href="http://www.wago.com/2009-416">www.wago.com/2009-416</a>
<b>Protective warning marker</b>		
	<b>Item no.: 2001-115</b> TOPJOB®S protective warning marker; with high-voltage symbol, for 2001 series terminal blocks; for 5 terminal blocks	<a href="http://www.wago.com/2001-115">www.wago.com/2001-115</a>
<b>End plates</b>		
	<b>Item no.: 2002-1493</b> TOPJOB®S end/intermediate plate; for 2002-14xx series terminal blocks; 2.0 mm wide; gray	<a href="http://www.wago.com/2002-1493">www.wago.com/2002-1493</a>
	<b>Item no.: 2002-1494</b> TOPJOB®S end/intermediate plate; for 2002-14xx series terminal blocks; 2.0 mm wide; orange	<a href="http://www.wago.com/2002-1494">www.wago.com/2002-1494</a>
	<b>Item no.: 209-191</b> Separator for Ex e/Ex i applications; 3 mm thick; 120 mm wide; orange	<a href="http://www.wago.com/209-191">www.wago.com/209-191</a>

**Ferrules**

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	<b>Item no.: 216-241</b> 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	<a href="http://www.wago.com/216-241">www.wago.com/216-241</a>
	<b>Item no.: 216-242</b> 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	<a href="http://www.wago.com/216-242">www.wago.com/216-242</a>
	<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>
	<b>Item no.: 216-244</b> 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	<a href="http://www.wago.com/216-244">www.wago.com/216-244</a>
<b>Carrier rail</b>		
	<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.: 210-113</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.: 210-114</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.: 210-118</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.: 210-196</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>
	<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>Tools</b>		
	<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.: 210-648</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.: 210-719</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>
<b>Jumpers</b>		
	<b>Item no.: 2001-402</b> TOPJOB®S jumper; for 2001 series; insulated; 2-way; light-gray	<a href="http://www.wago.com/2001-402">www.wago.com/2001-402</a>

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

	<b>Item no.: 2001-403</b> TOPJOB®S jumper; for 2001 series; insulated; 3-way; light-gray	<a href="http://www.wago.com/2001-403">www.wago.com/2001-403</a>
	<b>Item no.: 2001-404</b> TOPJOB®S jumper; for 2001 series; insulated; 4-way; light-gray	<a href="http://www.wago.com/2001-404">www.wago.com/2001-404</a>
	<b>Item no.: 2001-405</b> TOPJOB®S jumper; for 2001 series; insulated; 5-way; light-gray	<a href="http://www.wago.com/2001-405">www.wago.com/2001-405</a>
	<b>Item no.: 2001-405/011-000</b> TOPJOB®S jumper; Wye configuration; for 2001 series; insulated; 3-way (1-3-5); light-gray	<a href="http://www.wago.com/2001-405/011-000">www.wago.com/2001-405/011-000</a>
	<b>Item no.: 2001-406</b> TOPJOB®S jumper; for 2001 series; insulated; 6-way; light-gray	<a href="http://www.wago.com/2001-406">www.wago.com/2001-406</a>
	<b>Item no.: 2001-406/020-000</b> TOPJOB®S jumper; Delta configuration; for 2001 series; insulated; 6-way (1-2, 3-4, 5-6); light-gray	<a href="http://www.wago.com/2001-406/020-000">www.wago.com/2001-406/020-000</a>
	<b>Item no.: 2001-407</b> TOPJOB®S jumper; for 2001 series; insulated; 7-way; light-gray	<a href="http://www.wago.com/2001-407">www.wago.com/2001-407</a>
	<b>Item no.: 2001-408</b> TOPJOB®S jumper; for 2001 series; insulated; 8-way; light-gray	<a href="http://www.wago.com/2001-408">www.wago.com/2001-408</a>
	<b>Item no.: 2001-409</b> TOPJOB®S jumper; for 2001 series; insulated; 9-way; light-gray	<a href="http://www.wago.com/2001-409">www.wago.com/2001-409</a>
	<b>Item no.: 2001-410</b> TOPJOB®S jumper; for 2001 series; insulated; 10-way; light-gray	<a href="http://www.wago.com/2001-410">www.wago.com/2001-410</a>
	<b>Item no.: 2001-433</b> TOPJOB®S jumper; for 2001 series; insulated; 2-way (1-3); light-gray	<a href="http://www.wago.com/2001-433">www.wago.com/2001-433</a>
	<b>Item no.: 2001-434</b> TOPJOB®S jumper; for 2001 series; insulated; 2-way (1-4); light-gray	<a href="http://www.wago.com/2001-434">www.wago.com/2001-434</a>
	<b>Item no.: 2001-435</b> TOPJOB®S jumper; for 2001 series; insulated; 2-way (1-5); light-gray	<a href="http://www.wago.com/2001-435">www.wago.com/2001-435</a>
	<b>Item no.: 2001-436</b> TOPJOB®S jumper; for 2001 series; insulated; 2-way (1-6); light-gray	<a href="http://www.wago.com/2001-436">www.wago.com/2001-436</a>
	<b>Item no.: 2001-437</b> TOPJOB®S jumper; for 2001 series; insulated; 2-way (1-7); light-gray	<a href="http://www.wago.com/2001-437">www.wago.com/2001-437</a>
	<b>Item no.: 2001-438</b> TOPJOB®S jumper; for 2001 series; insulated; 2-way (1-8); light-gray	<a href="http://www.wago.com/2001-438">www.wago.com/2001-438</a>
	<b>Item no.: 2001-439</b> TOPJOB®S jumper; for 2001 series; insulated; 2-way (1-9); light-gray	<a href="http://www.wago.com/2001-439">www.wago.com/2001-439</a>

**Item no.: 2001-440**

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



TOPJOB®S jumper; for 2001 series; insulated; 2-way (1-10); light-gray

[www.wago.com/2001-440](http://www.wago.com/2001-440)



**Item no.: 2006-499**

Step-down jumper; insulated; from 6/4 mm<sup>2</sup> to 4/2.5/1.5 mm<sup>2</sup>; Nominal current 32 A

[www.wago.com/2006-499](http://www.wago.com/2006-499)



**Item no.: 210-103**

Wire commoning chain; insulated; black

[www.wago.com/210-103](http://www.wago.com/210-103)



**Item no.: 210-123**

Wire commoning chain; insulated; blue

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

## Downloads

### Documentation

#### Bid Text

2001-1403 X81 - Datei	Feb 19, 2019	xml 4.0 kB	Download
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2001-1403 docx - Datei	Aug 2, 2018	docx 15.1 kB	Download
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#### Additional Information

Technical explanations	Apr 3, 2019	pdf 2.2 MB	Download
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## CAD files

### CAD data

2D/3D Models 2001-1403	URL	Download
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### CAE data

EPLAN Data Portal 2001-1403	URL	Download
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ZUKEN Portal 2001-1403	URL	Download
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WSCAD Universe 2001-1403	URL	Download
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## Environmental Product Compliance

### Compliance Search

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

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 Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
 Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

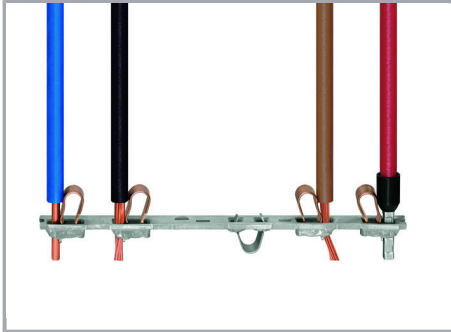
Do you have any questions about our products?  
 We are always happy to take your call at (262) 255-6222 or 1 800-DIN-RAIL.

Environmental Product Compliance 2001-1403

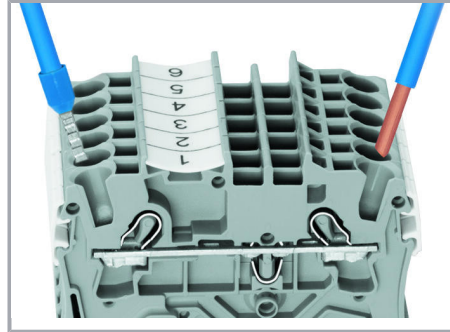
4-conductor through terminal block; 1.5 mm<sup>2</sup>; suitable for Ex e II applications; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 1,50 mm<sup>2</sup>; red

## Installation Notes

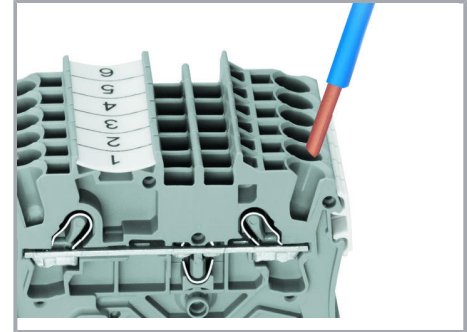
### Inserting a conductor



All conductor types at a glance



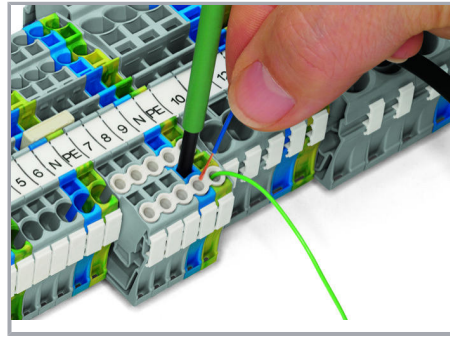
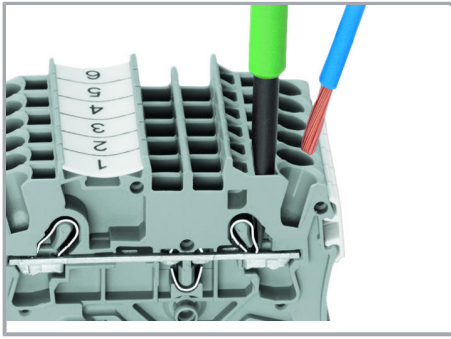
Push-in termination of solid and ferruled conductors



Inserting a conductor via push-in termination:

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.

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



**Inserting a conductor via operating tool:**

**Conductor termination – insulation stop**

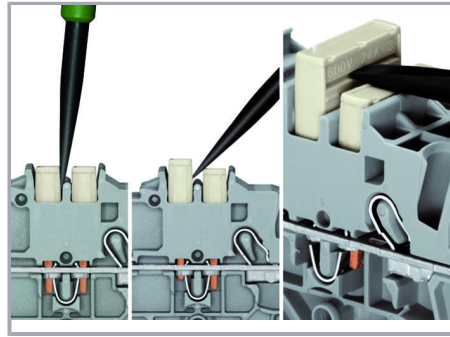
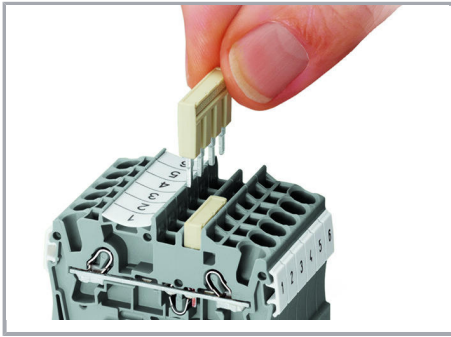
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.

**Advantage:**

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

**Commoning**

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



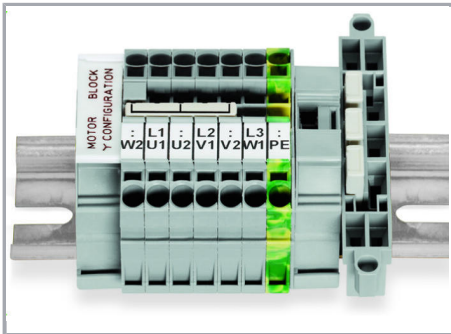
The push-in type jumper bar system is based on the common plug and socket principle. Each terminal block is spring-loaded with a double socket and a resilient CrNi steel spring. The jumper contact material is pure electrolytic copper, which allows for an extremely small design capable of carrying the 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).

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

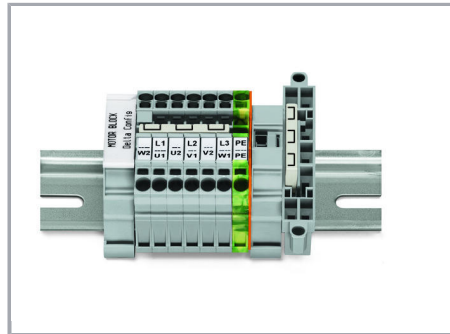
Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper.

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.

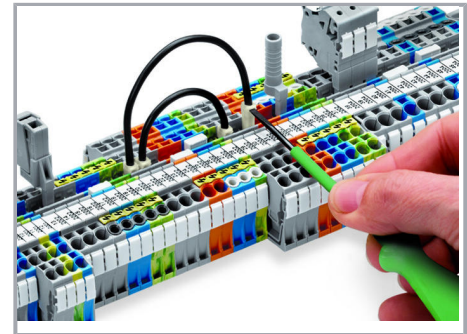
**Commoning**



This star point jumper has been specially developed to create a "star point" and is used on motor terminal boards equipped with TOPJOB® S Rail-Mount Terminal Blocks.



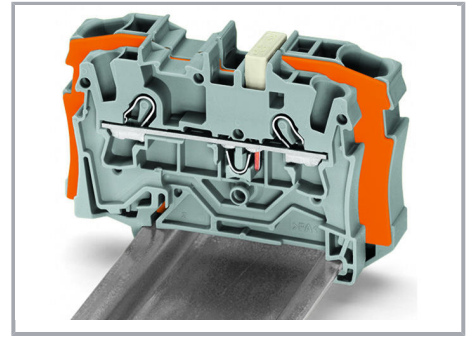
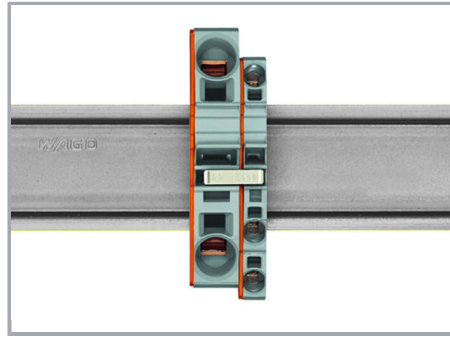
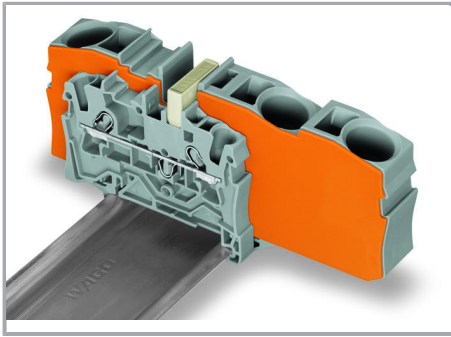
This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with TOPJOB® S rail-mount terminal blocks.



Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.

**Commoning**

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

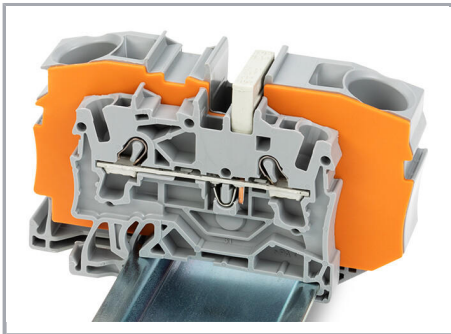


Step-down jumpers common terminal blocks of different sizes, without losing a conductor clamping point. This can be beneficial on long conductor runs where voltage drop can be a problem. A large conductor can be easily connected to smaller conductors at the distribution point.

Using step-down jumpers, an end plate must be inserted between the terminal blocks to be commoned.

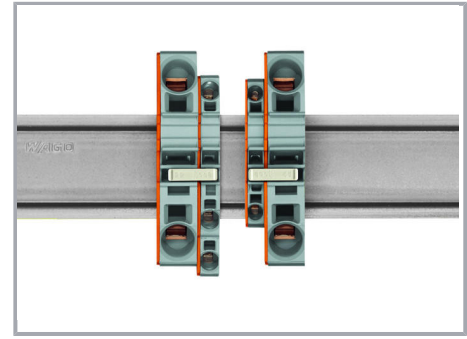
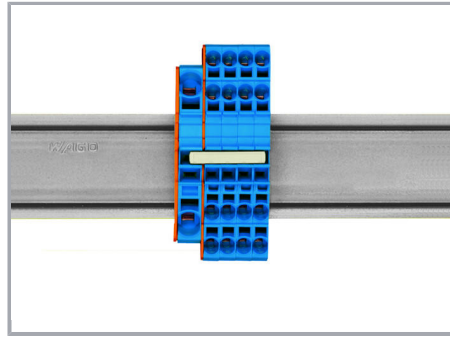
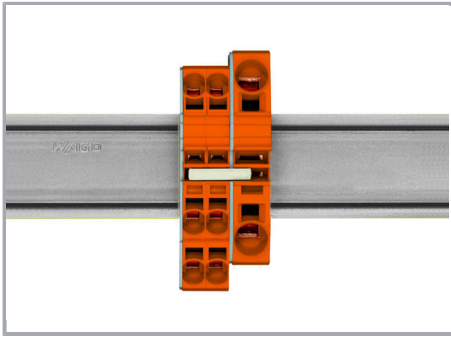
**Step-down jumper (2006-499)** commons 6 /4 mm<sup>2</sup> (10/12 AWG) terminal blocks (2006 /2004 Series) with 4/2.5/1.5 mm<sup>2</sup> (AWG 12/14 /16) terminal blocks (2004/2002/2001 Series).

Commoning may be made in either direction using the special thin end plate to cover the open side. Additional through terminal blocks having a smaller cross-section may be commoned using push-in type jumper bars.



**Step-down jumper (2016-499)** commons 16 /10 mm<sup>2</sup> (16/8 AWG) terminal blocks (2016 /2010 Series) with 10/6/4/2.5 mm<sup>2</sup> (8/10/12 /14 AWG) terminal blocks (2010/2006/2004 /2002 Series).

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



Stepping down via push-in type jumper bar:

Commoning via open terminal side with end plate allows jumpering over two cross-section sizes for 16 mm<sup>2</sup> (6 AWG) and 10 mm<sup>2</sup> (8 AWG) and one cross-section size for 6/4/2.5 mm<sup>2</sup> (10/12/14 AWG). An example: from 16 mm<sup>2</sup> (6 AWG) to 6 mm<sup>2</sup> (10 AWG) (see illustration above) or from 10 mm<sup>2</sup> (8 AWG) to 4 mm<sup>2</sup> (12 AWG).

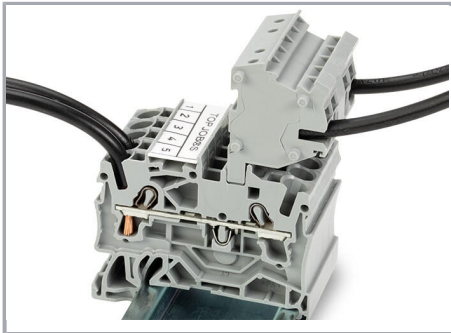
Stepping down via push-in type jumper bar:

Commoning via closed terminal side with end plate allows jumpering over two cross-section sizes, e.g., from 16 mm<sup>2</sup> (6 AWG) to 6 mm<sup>2</sup> (10 AWG) or from 6 mm<sup>2</sup> (10 AWG) to 2.5 mm<sup>2</sup> (14 AWG) (see illustration above).

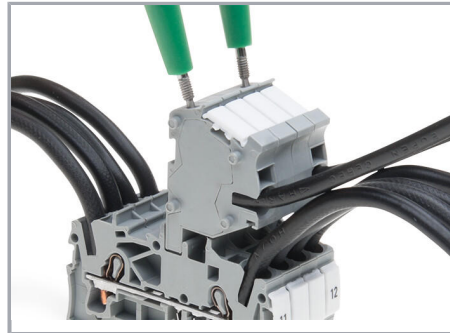
Note:

The total current of the outgoing circuits must not exceed the nominal current of the step-down jumper/push-in type jumper bar.

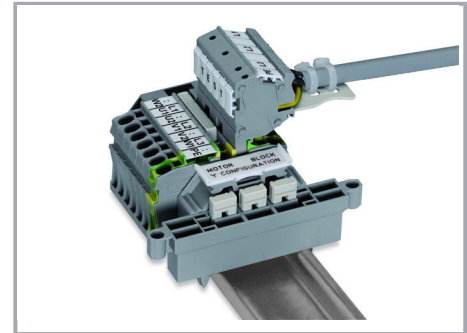
### Testing



The modular TOPJOB® S connectors also connect conductors of the same size as the terminal blocks being used.



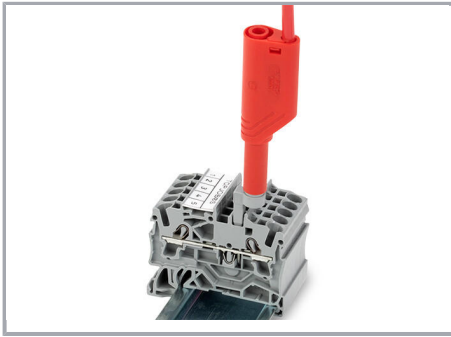
TOPJOB® S Connectors with a 2 mm Ø test socket for testing voltage via 2-pole voltage tester



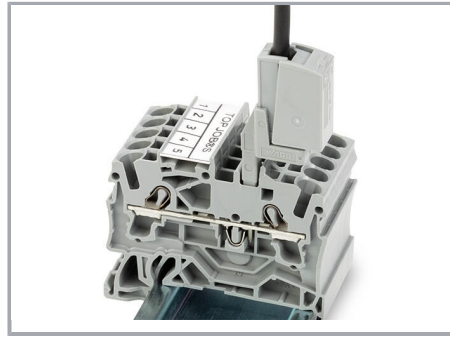
Rail-mount terminal block assembly for electric motor wiring

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



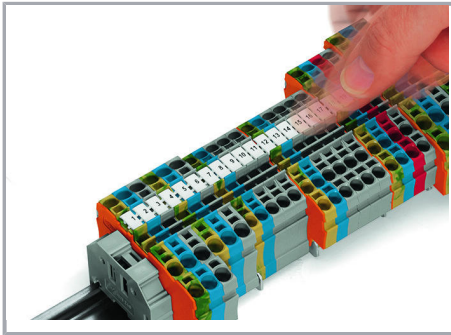


Test plug adapter (2009-174, CAT II) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

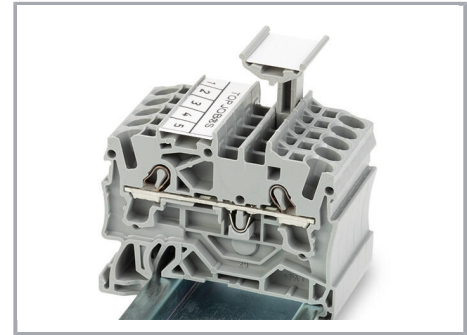
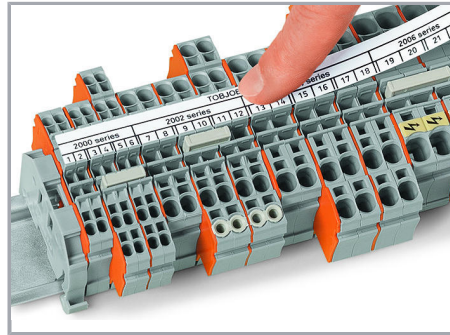


Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm<sup>2</sup> (12 AWG) – compatible with 2000 to 2016 Series

### Marking

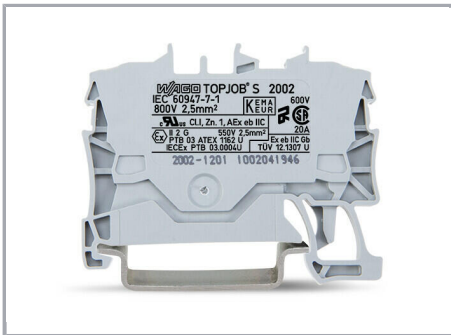


Snapping WMB Inline markers into marker slots.

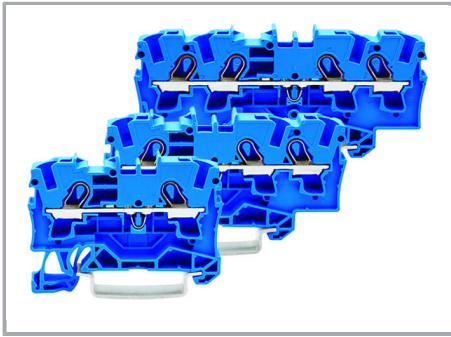


TOPJOB® S 2009-193 Group Marker Carrier (equipped with a marking strip) for all 2001 to 2016 Series TOPJOB® S Rail-Mount Terminal Blocks

Do not use on an end plate!



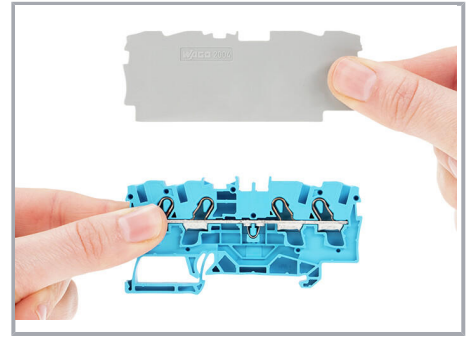
Subject to changes. Please also observe the further product documentation!



Through terminal blocks with a blue insulated housing are suitable for Ex i applications.



All through and ground conductor terminal blocks are suitable for Ex e II applications.



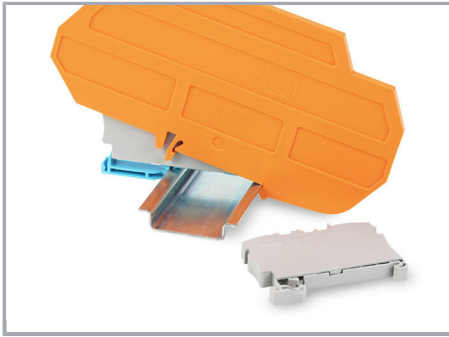
**Separator plate for Ex e/Ex i applications**

An end plate must be applied to the terminal block located directly behind an Ex e/Ex i separator plate.

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

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Germantown, WI 53022  
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### Ex e II/Ex i terminal strip

**Note:**

The movable feet of terminal blocks and separator plates must face the same direction.

A separator plate is located between the Ex e II and Ex i terminal strip.

End plate

Ex e II terminal blocks

Separator plate for Ex e/Ex i applications

End plate

Ex i terminal blocks

According to EN 50020, a minimum distance of 50 mm must be kept between live parts of Ex e and Ex i circuits. The use of Ex e/Ex i separators is a space-saving solution when Ex e and Ex i terminal blocks are mounted on a common DIN-rail.

### 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!