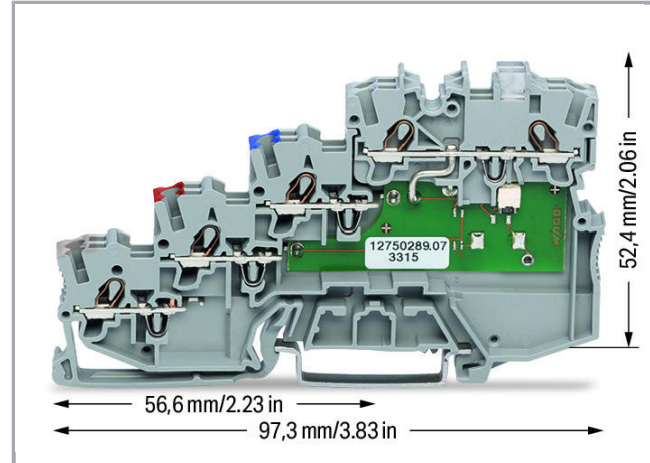
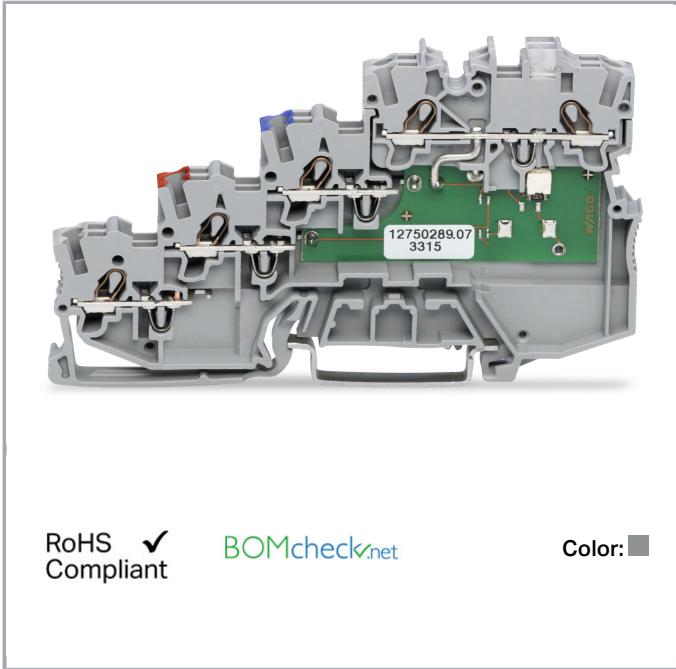


Data sheet | Item number: 2000-5410/1101-951

4-conductor sensor terminal block; LED (yellow); for NPN-(low-side) switching sensors; with ground connection via push-in type jumper bars; 1 mm²; Push-in CAGE CLAMP®; 1,00 mm²; gray



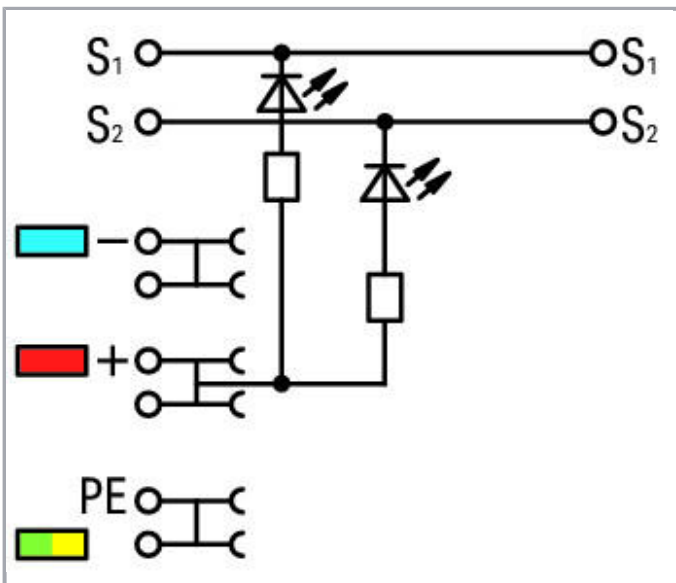
www.wago.com/2000-5410/1101-951



RoHS Compliant

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

Color: ■



Item description

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3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)

The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Safety information 1:

Ground connection via commoning to terminal blocks with ground foot

Data

Electrical data

Voltage type (1)	DC
Nominal voltage	24 V

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60947-7-1
Rated current	13.5 A

Approvals per UL 1059

Rated voltage UL (Use Group C)	24 V
Rated current UL (Use Group C)	15 A
Approvals per	UL 1059

Approvals per CSA

Rated voltage CSA (Use Group C)	24 V
Rated current CSA (Use Group C)	10 A

Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-in Open Tool Slot
Connectable conductor materials	Copper
Nominal cross section	1 mm ²
Solid conductor	0.14 ... 1.5 mm ² / 24 ... 16 AWG
Solid conductor, push-in termination	0.5 ... 1.5 mm ² / 20 ... 16 AWG
Fine-stranded conductor	0.14 ... 1.5 mm ² / 24 ... 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.5 ... 0.75 mm ² / 20 ... 18 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.5 ... 0.75 mm ² / 20 ... 18 AWG

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



Strip length	9 ... 11 mm / 0.35 ... 0.43 inch
Total number of connection points	10
Total number of potentials	5
Number of levels	1
Type of wiring	Front-entry wiring
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

Geometrical Data

Width	7 mm / 0.276 inch
Height from upper-edge of DIN-35 rail	52.4 mm / 2.063 inch
Depth	97.3 mm / 3.831 inch

Mechanical data

Design	horizontal
Type of mounting	DIN-35 rail
Marking level	Center/side marking

Material Data


Color	gray
Insulating material	Polyamide 66 (PA 66)
Weight	19.4 g

Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4055143452885
Customs Tariff No.	85369010000

Approvals / Certificates

Country specific Approvals

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

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CCA
DEKRA Certification B.V.

EN 60947

NTR NL
7671




CSA
DEKRA Certification B.V.

C22.2 No. 158

2130762




UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1059	E45172 sec.55

Counterpart

Compatible products












Carrier rail

	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	www.wago.com/210-112
	Item no.: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715	www.wago.com/210-113
	Item no.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715	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
	Item no.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715	www.wago.com/210-118

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	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
	Item no.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715	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
Test Accessories		
	Item no.: 2000-510 TOPJOB®S L-type test plug module; modular; for jumper contact slot; 1,00 mm ² ; gray	www.wago.com/2000-510
	Item no.: 2000-552 Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; 1,00 mm ² ; gray	www.wago.com/2000-552
	Item no.: 2000-553 Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; 1,00 mm ² ; gray	www.wago.com/2000-553
	Item no.: 2000-554 Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 1,00 mm ² ; gray	www.wago.com/2000-554
	Item no.: 2000-555 Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; 1,00 mm ² ; gray	www.wago.com/2000-555
	Item no.: 2000-556 Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole; 1,00 mm ² ; gray	www.wago.com/2000-556
	Item no.: 2000-557 Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole; 1,00 mm ² ; gray	www.wago.com/2000-557
	Item no.: 2000-558 Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole; 1,00 mm ² ; gray	www.wago.com/2000-558
	Item no.: 2000-559 Modular TOPJOB®S connector; modular; for jumper contact slot; 9-pole; 1,00 mm ² ; gray	www.wago.com/2000-559
	Item no.: 2000-560 Modular TOPJOB®S connector; modular; for jumper contact slot; 10-pole; 1,00 mm ² ; gray	www.wago.com/2000-560
	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
	Item no.: 2009-182 Testing tap; for max. 2.5 mm ² ; tool-free connection for individual test wires 0.08 - 2.5 mm; gray	www.wago.com/2009-182
	Item no.: 210-136 Test plug; 2 mm Ø; with 500 mm cable; red	www.wago.com/210-136
	Item no.: 210-137 Test plug; 2.3 mm Ø; with 500 mm cable; yellow	www.wago.com/210-137

ferrule

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

**Item no.: 216-241**

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white www.wago.com/216-241

Item no.: 216-242

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray www.wago.com/216-242

**Item no.: 216-243**

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red www.wago.com/216-243

tools**Item no.: 210-647**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft www.wago.com/210-647

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

**Item no.: 210-719**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft www.wago.com/210-719

Marking accessories**Item no.: 2000-121**

Adaptor www.wago.com/2000-121

Item no.: 2009-110

Marking strips; on reel; not stretchable; plain; snap-on type; white www.wago.com/2009-110

Item no.: 2009-113

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white www.wago.com/2009-113

Item no.: 2009-113/000-002

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; yellow www.wago.com/2009-113/000-002

**Item no.: 2009-113/000-005**

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; red www.wago.com/2009-113/000-005

Item no.: 2009-113/000-006

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; blue www.wago.com/2009-113/000-006

**Item no.: 2009-113/000-007**

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; gray www.wago.com/2009-113/000-007

**Item no.: 2009-113/000-012**

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; orange www.wago.com/2009-113/000-012

**Item no.: 2009-113/000-017**

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; light green www.wago.com/2009-113/000-017

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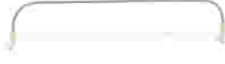




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

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	Item no.: 2009-113/000-023 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; green	www.wago.com/2009-113/000-023
	Item no.: 2009-113/000-024 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; violet	www.wago.com/2009-113/000-024
	Item no.: 2009-191 Group marker carrier	www.wago.com/2009-191
	Item no.: 793-3501 WMB marking card; as card; plain; snap-on type; white	www.wago.com/793-3501
Push-In type wire jumper		
	Item no.: 2009-402 Push-in type wire jumper; insulated; wire length 60 mm; Conductor cross section 0.75 mm ² ; suitable for 2000 and 2020 Series rail-mounted terminal blocks; gray	www.wago.com/2009-402
	Item no.: 2009-404 Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 0.75 mm ² ; suitable for 2000 and 2020 Series rail-mounted terminal blocks; gray	www.wago.com/2009-404
	Item no.: 2009-406 Push-in type wire jumper; insulated; wire length 250 mm; Conductor cross section 0.75 mm ² ; suitable for 2000 and 2020 Series rail-mounted terminal blocks; gray	www.wago.com/2009-406
Jumper		
	Item no.: 2000-402 Push-in type jumper bar; insulated; 2-way; Nominal current 14 A; light gray	www.wago.com/2000-402
	Item no.: 2000-402/000-005 Push-in type jumper bar; insulated; 2-way; Nominal current 14 A; red	www.wago.com/2000-402/000-005
	Item no.: 2000-402/000-006 Push-in type jumper bar; insulated; 2-way; Nominal current 14 A; blue	www.wago.com/2000-402/000-006
	Item no.: 2000-402/000-018 Push-in type jumper bar; insulated; 2-way; Nominal current 14 A; yellow-green	www.wago.com/2000-402/000-018
	Item no.: 2000-403 Push-in type jumper bar; insulated; 3-way; Nominal current 14 A; light gray	www.wago.com/2000-403
	Item no.: 2000-403/000-005 Push-in type jumper bar; insulated; 3-way; Nominal current 14 A; red	www.wago.com/2000-403/000-005
	Item no.: 2000-403/000-006 Push-in type jumper bar; insulated; 3-way; Nominal current 14 A; blue	www.wago.com/2000-403/000-006







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

	<p>Item no.: 2000-404 Push-in type jumper bar; insulated; 4-way; Nominal current 14 A; light gray</p>	www.wago.com/2000-404
	<p>Item no.: 2000-404/000-005 Push-in type jumper bar; insulated; 4-way; Nominal current 14 A; red</p>	www.wago.com/2000-404/000-005
	<p>Item no.: 2000-404/000-006 Push-in type jumper bar; insulated; 4-way; Nominal current 14 A; blue</p>	www.wago.com/2000-404/000-006
	<p>Item no.: 2000-405 Push-in type jumper bar; insulated; 5-way; Nominal current 14 A; light gray</p>	www.wago.com/2000-405
	<p>Item no.: 2000-405/000-005 Push-in type jumper bar; insulated; 5-way; Nominal current 14 A; red</p>	www.wago.com/2000-405/000-005
	<p>Item no.: 2000-405/000-006 Push-in type jumper bar; insulated; 5-way; Nominal current 14 A; blue</p>	www.wago.com/2000-405/000-006
	<p>Item no.: 2000-405/011-000 Star point jumper; insulated; 3-way (1-3-5); IN = IN terminal block; light gray</p>	www.wago.com/2000-405/011-000
	<p>Item no.: 2000-406 Push-in type jumper bar; insulated; 6-way; Nominal current 14 A; light gray</p>	www.wago.com/2000-406
	<p>Item no.: 2000-406/000-005 Push-in type jumper bar; insulated; 6-way; Nominal current 14 A; red</p>	www.wago.com/2000-406/000-005
	<p>Item no.: 2000-406/000-006 Push-in type jumper bar; insulated; 6-way; Nominal current 14 A; blue</p>	www.wago.com/2000-406/000-006
	<p>Item no.: 2000-406/020-000 Delta jumper; insulated; 1-2 3-4 5-6; IN = IN terminal block; light gray</p>	www.wago.com/2000-406/020-000
	<p>Item no.: 2000-407 Push-in type jumper bar; insulated; 7-way; Nominal current 14 A; light gray</p>	www.wago.com/2000-407
	<p>Item no.: 2000-407/000-005 Push-in type jumper bar; insulated; 7-way; Nominal current 14 A; red</p>	www.wago.com/2000-407/000-005
	<p>Item no.: 2000-407/000-006 Push-in type jumper bar; insulated; 7-way; Nominal current 14 A; blue</p>	www.wago.com/2000-407/000-006

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

	<p>Item no.: 2000-408 Push-in type jumper bar; insulated; 8-way; Nominal current 14 A; light gray</p>	www.wago.com/2000-408
	<p>Item no.: 2000-408/000-005 Push-in type jumper bar; insulated; 8-way; Nominal current 14 A; red</p>	www.wago.com/2000-408/000-005
	<p>Item no.: 2000-408/000-006 Push-in type jumper bar; insulated; 8-way; Nominal current 14 A; blue</p>	www.wago.com/2000-408/000-006
	<p>Item no.: 2000-409 Push-in type jumper bar; insulated; 9-way; Nominal current 14 A; light gray</p>	www.wago.com/2000-409
	<p>Item no.: 2000-409/000-005 Push-in type jumper bar; insulated; 9-way; Nominal current 14 A; red</p>	www.wago.com/2000-409/000-005
	<p>Item no.: 2000-409/000-006 Push-in type jumper bar; insulated; 9-way; Nominal current 14 A; blue</p>	www.wago.com/2000-409/000-006
	<p>Item no.: 2000-410 Push-in type jumper bar; insulated; 10-way; Nominal current 14 A; light gray</p>	www.wago.com/2000-410
	<p>Item no.: 2000-410/000-005 Push-in type jumper bar; insulated; 10-way; Nominal current 14 A; red</p>	www.wago.com/2000-410/000-005
	<p>Item no.: 2000-410/000-006 Push-in type jumper bar; insulated; 10-way; Nominal current 14 A; blue</p>	www.wago.com/2000-410/000-006
	<p>Item no.: 2000-433 Push-in type jumper bar; insulated; from 1 to 3; Nominal current 14 A; light gray</p>	www.wago.com/2000-433
	<p>Item no.: 2000-433/000-005 Push-in type jumper bar; insulated; from 1 to 3; Nominal current 14 A; red</p>	www.wago.com/2000-433/000-005
	<p>Item no.: 2000-433/000-006 Push-in type jumper bar; insulated; from 1 to 3; Nominal current 14 A; blue</p>	www.wago.com/2000-433/000-006
	<p>Item no.: 2000-434 Push-in type jumper bar; insulated; from 1 to 4; Nominal current 14 A; light gray</p>	www.wago.com/2000-434
	<p>Item no.: 2000-435 Push-in type jumper bar; insulated; from 1 to 5; Nominal current 14 A; light gray</p>	www.wago.com/2000-435
	<p>Item no.: 2000-436 Push-in type jumper bar; insulated; from 1 to 6; Nominal current 14 A; light gray</p>	www.wago.com/2000-436

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	Item no.: 2000-437 Push-in type jumper bar; insulated; from 1 to 7; Nominal current 14 A; light gray	www.wago.com/2000-437
	Item no.: 2000-438 Push-in type jumper bar; insulated; from 1 to 8; Nominal current 14 A; light gray	www.wago.com/2000-438
	Item no.: 2000-439 Push-in type jumper bar; insulated; from 1 to 9; Nominal current 14 A; light gray	www.wago.com/2000-439
	Item no.: 2000-440 Push-in type jumper bar; insulated; from 1 to 10; Nominal current 14 A; light gray	www.wago.com/2000-440
	Item no.: 210-103 Wire commoning chain; insulated; 50 connections; black	www.wago.com/210-103
	Item no.: 210-123 Wire commoning chain; insulated; 50 connections	www.wago.com/210-123
Protective Warning Marker		
	Item no.: 2000-115 Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow	www.wago.com/2000-115
End plate		
	Item no.: 2000-5491 End and intermediate plate; 1 mm thick; for 4-conductor terminal blocks; gray	www.wago.com/2000-5491

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 2.1 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 2000-5410/1101-951	URL	Download
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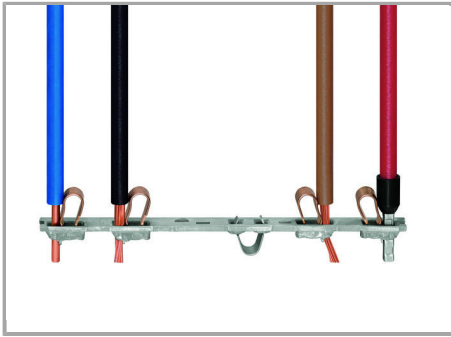
CAE data

EPLAN Data Portal 2000-5410/1101-951	URL	Download
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Installation Notes

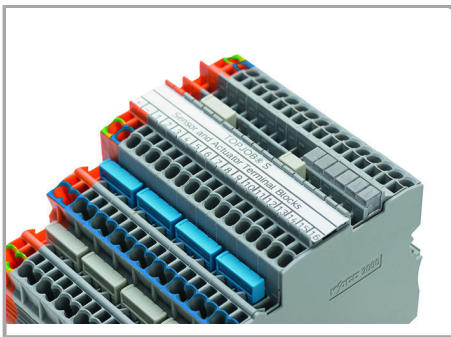
Inserting a conductor

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

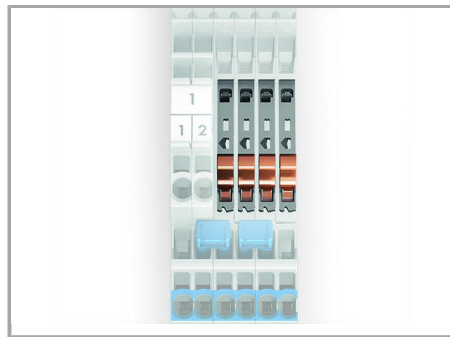


All conductor types at a glance

Jumpered



Commoning (signal level):



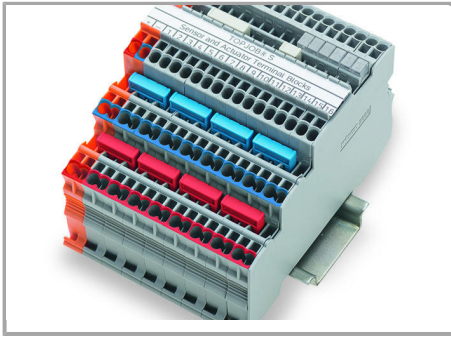
Upper level: two independent signal pathways

Commoning the signal level with push-in type jumper bars (2000 Series). Models with an LED can only be commoned in one jumper slot.

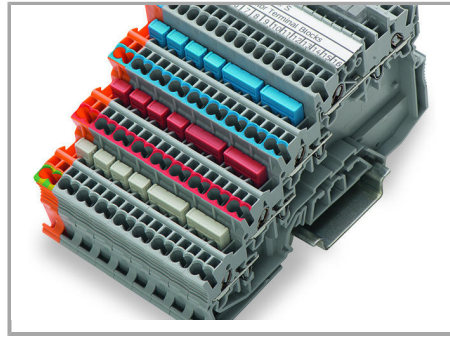
TOPJOB® S Test Plug Adapters can be used in all jumper slots.

Jumpered

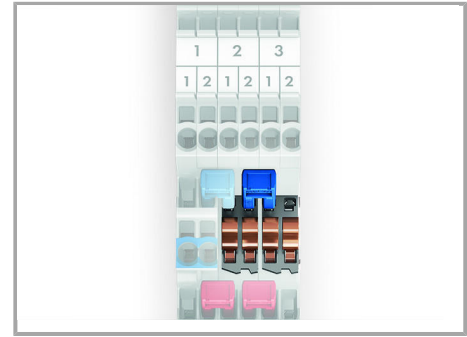
Subject to changes. Please also observe the further product documentation!



Commoning (potential level):



Commoning (potential level):

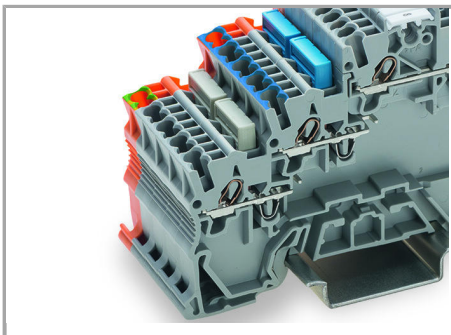


Potential levels: two adjacent commoning options on a current bar

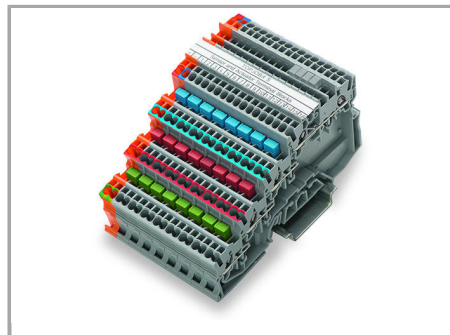
Commoning potential levels via push-in type jumper bars (2000 Series).

Continuous commoning in the potential levels via push-in type jumper bars for even pole numbers (2000 Series)

Jumpered



Ground commoning:

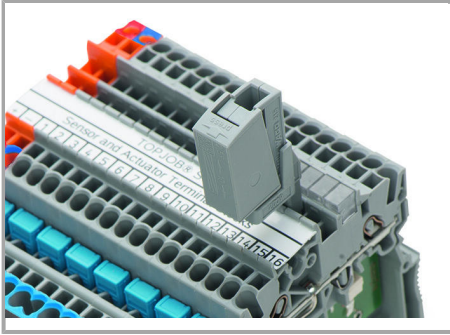


An application example: colored push-in type jumper bars are used with sensor terminal blocks.

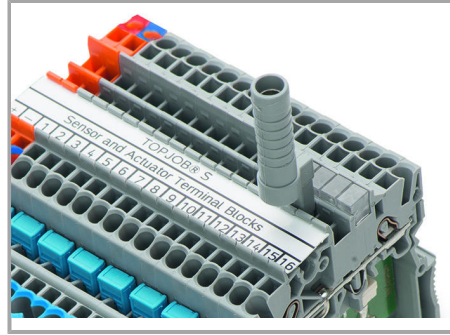
For sensor and actuator terminal blocks without ground connection to the DIN-rail, the ground connection can be performed by commoning to the terminal block with a ground foot.

Testing

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

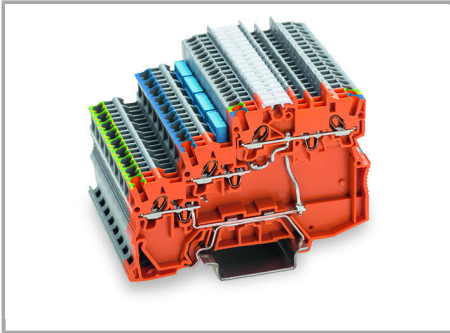


Testing via testing tap (2009-182) (up to max. 42 V).



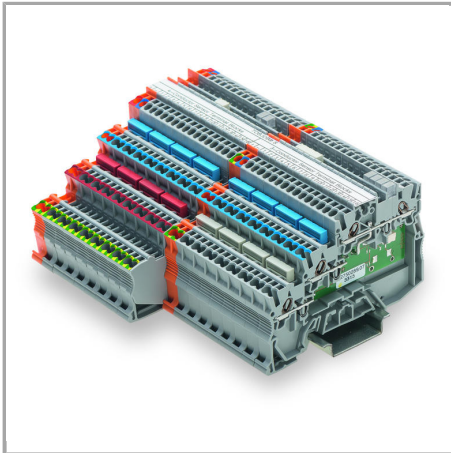
Testing via testing tap (2009-174) (up to max. 42 V).

Application



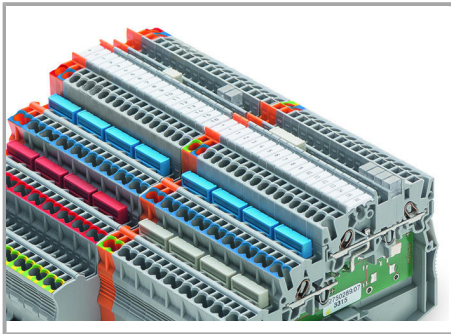
Power supply via orange supply terminal block of same profile from both the cabinet and sensor sides

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



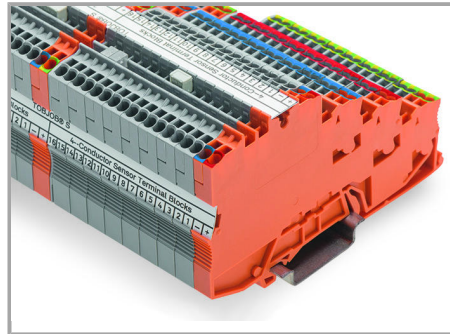
Terminal block assembly with 4-conductor sensor terminal blocks and 3-conductor actuator terminal blocks

Marking



Labeling

Labeling via 3.5 mm WMB markers (793-35xx) from the top or the side – additional marking option via marker carrier.



Labeling

Labeling via marking strips (2009-110) – from the top or the side.

Product family

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



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.

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

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