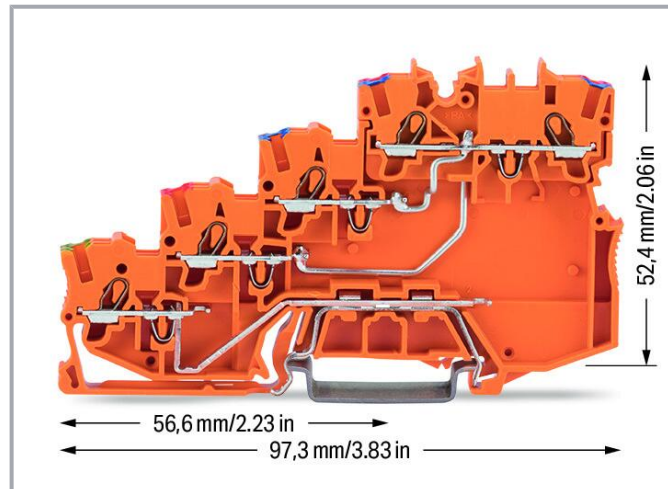
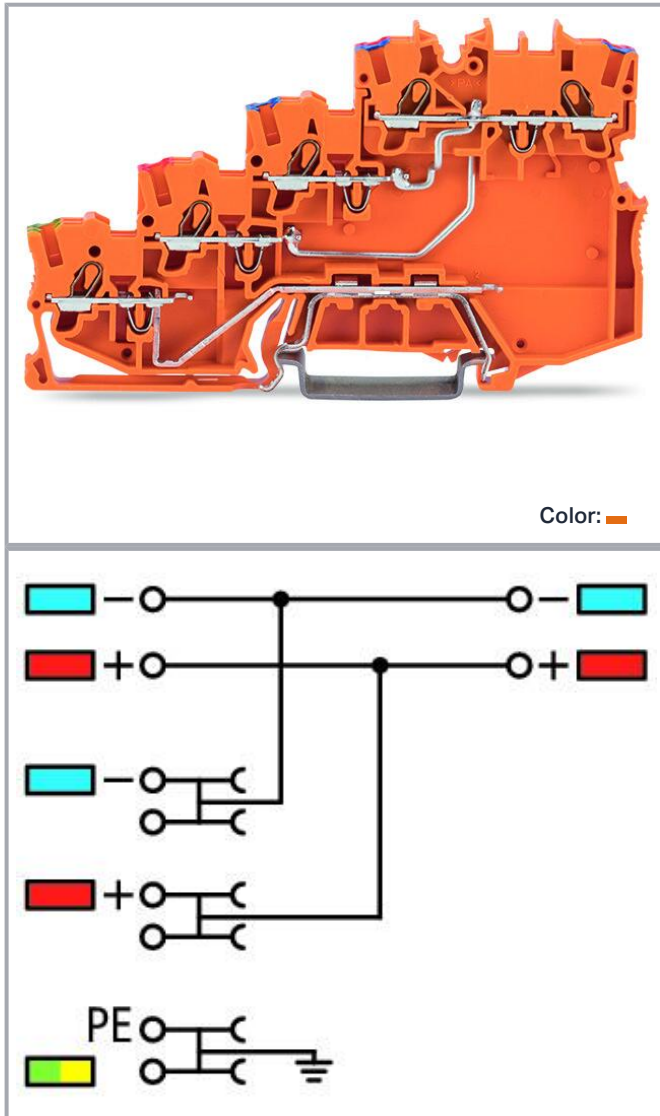


Data sheet | Item number: 2000-5477

4-conductor sensor supply terminal block; with ground contact; with colored conductor entries; 1 mm²; Push-in CAGE CLAMP®; 1,00 mm²; orange

www.wago.com/2000-5477



Item description

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.

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 60947-7-1
Nominal voltage (III/3)	250 V
Rated impulse voltage (III/3)	4 kV
Rated current	13.5 A
Legend (ratings)	(III / 3) $\triangleq$ Overvoltage category III / Pollution degree 3

Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	15 A

Ratings per CSA

Approvals per	CSA 22.2 No 158
Rated voltage CSA (Use Group C)	300 V
Rated current CSA (Use Group C)	10 A

Power Loss

Power loss, per pole (potential)	0.434 W
Rated current I_N for specified power loss	13.5 A
Resistance value for specified, current-dependent power loss	0.002 Ω

Connection data

Connection points	10
Total number of potentials	5
Number of levels	4
Number of jumper slots	4

Connection 1

Connection technology

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	Push-in CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 ... 1.5 mm² / 24 ... 16 AWG
Solid conductor; push-in termination	0.5 ... 1.5 mm² / 20 ... 16 AWG
Fine-stranded conductor	0.14 ... 1.5 mm² / 24 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 ... 0.75 mm² / 24 ... 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 ... 0.75 mm² / 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 inches
Wiring direction	Front-entry wiring

Physical data

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

Mechanical data

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

Material data

Note (material data)	Information on material specifications can be found here
Color	orange
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.313 MJ
Weight	21.4 g

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

Environmental requirements

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

Commercial data

eCl@ss 10.0	27-14-11-28
eCl@ss 9.0	27-14-11-28
ETIM 8.0	EC000900
ETIM 7.0	EC000900
ECCN	NO DATA
PU (SPU)	15 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143480260
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	NTR NL 7962
	CSA DEKRA Certification B.V.	C22.2	2130762
	KEMA/KEUR DEKRA Certification B.V.	EN 60947	71- 125928
	UL Underwriters Laboratories Inc.	UL 1059	E45172

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

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Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
	Railway WAGO GmbH & Co. KG	-	Railway Ready
	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

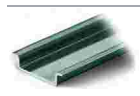
Required accessories

End plate

End plate	
	Item no.: 2000-5491 End and intermediate plate; 1 mm thick; for 4-conductor terminal blocks; gray www.wago.com/2000-5491

Optional accessories

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
	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
	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
	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

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

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**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
silver-colored

**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

**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
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

Push-in type wire jumper

Jumper

**Item no.: 2009-404**

Push-in type wire jumper; 0.75 mm²; insulated; 110 mm long; gray

www.wago.com/2009-404

**Item no.: 2009-402**

Push-in type wire jumper; 0.75 mm²; insulated; 60 mm long; gray

www.wago.com/2009-402

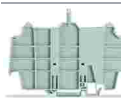
**Item no.: 2009-406**

Push-in type wire jumper; 0.75 mm²; insulated; 250 mm long; gray

www.wago.com/2009-406

Mounting

Cover carrier

**Item no.: 709-169**

Cover carrier; Type 3; 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

www.wago.com/709-169

Cover

**Item no.: 709-156**

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

www.wago.com/709-156

Screwless end stop

Mounting accessories

**Item no.: 249-117**

Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

www.wago.com/249-117

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

**Item no.: 210-647**

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

www.wago.com/210-647

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

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**Item no.: 210-719**

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

www.wago.com/210-719**Protective warning marker**

Cover

**Item no.: 2000-115**

Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

www.wago.com/2000-115**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**Item no.: 2009-182**

Testing tap; for max. 2.5 mm²; tool-free connection for individual test wires 0.08 - 2.5 mm; gray

www.wago.com/2009-182**Jumpers**

Jumper

**Item no.: 210-123**

Wire commoning chain; insulated; blue

www.wago.com/210-123**Item no.: 2000-408**

Jumper; 8-way; insulated; light gray

www.wago.com/2000-408**Item no.: 2000-407**

Jumper; 7-way; insulated; light gray

www.wago.com/2000-407**Item no.: 2000-409**

Jumper; 9-way; insulated; light gray

www.wago.com/2000-409**Item no.: 2000-408/000-006**

Jumper; 8-way; insulated; blue

www.wago.com/2000-408/000-006**Item no.: 2000-408/000-005**

Jumper; 8-way; insulated; red

www.wago.com/2000-408/000-005**Item no.: 2000-409/000-005**

Jumper; 9-way; insulated; red

www.wago.com/2000-409/000-005**Item no.: 2000-407/000-006**

Jumper; 7-way; insulated; blue

www.wago.com/2000-407/000-006**Item no.: 2000-410**

Jumper; 10-way; insulated; light gray

www.wago.com/2000-410

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Item no.: 2000-410/000-006
Jumper; 10-way; insulated; blue

www.wago.com/2000-410/000-006



Item no.: 2000-433/000-005
Jumper; from 1 to 3; insulated; red

www.wago.com/2000-433/000-005



Item no.: 2000-407/000-005
Jumper; 7-way; insulated; red

www.wago.com/2000-407/000-005



Item no.: 2000-433/000-006
Jumper; from 1 to 3; insulated; blue

www.wago.com/2000-433/000-006



Item no.: 2000-410/000-005
Jumper; 10-way; insulated; red

www.wago.com/2000-410/000-005



Item no.: 2000-435
Jumper; from 1 to 5; insulated; light gray

www.wago.com/2000-435



Item no.: 2000-409/000-006
Jumper; 9-way; insulated; blue

www.wago.com/2000-409/000-006



Item no.: 2000-436
Jumper; from 1 to 6; insulated; light gray

www.wago.com/2000-436



Item no.: 2000-433
Jumper; from 1 to 3; insulated; light gray

www.wago.com/2000-433



Item no.: 2000-434
Jumper; from 1 to 4; insulated; light gray

www.wago.com/2000-434



Item no.: 2000-402
Jumper; 2-way; insulated; light gray

www.wago.com/2000-402



Item no.: 2000-402/000-006
Jumper; 2-way; insulated; blue

www.wago.com/2000-402/000-006



Item no.: 2000-403
Jumper; 3-way; insulated; light gray

www.wago.com/2000-403



Item no.: 2000-402/000-005
Jumper; 2-way; insulated; red

www.wago.com/2000-402/000-005



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

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Item no.: 2000-402/000-018

Jumper; 2-way; insulated; yellow-green

www.wago.com/2000-402/000-018


Item no.: 2000-404

Jumper; 4-way; insulated; light gray

www.wago.com/2000-404


Item no.: 2000-403/000-005

Jumper; 3-way; insulated; red

www.wago.com/2000-403/000-005


Item no.: 2000-404/000-006

Jumper; 4-way; insulated; blue

www.wago.com/2000-404/000-006


Item no.: 2000-403/000-006

Jumper; 3-way; insulated; blue

www.wago.com/2000-403/000-006


Item no.: 2000-404/000-005

Jumper; 4-way; insulated; red

www.wago.com/2000-404/000-005


Item no.: 2000-405

Jumper; 5-way; insulated; light gray

www.wago.com/2000-405


Item no.: 2000-405/011-000

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

www.wago.com/2000-405/011-000


Item no.: 2000-405/000-006

Jumper; 5-way; insulated; blue

www.wago.com/2000-405/000-006


Item no.: 2000-406/000-006

Jumper; 6-way; insulated; blue

www.wago.com/2000-406/000-006


Item no.: 2000-405/000-005

Jumper; 5-way; insulated; red

www.wago.com/2000-405/000-005


Item no.: 2000-406

Jumper; 6-way; insulated; light gray

www.wago.com/2000-406


Item no.: 2000-406/000-005

Jumper; 6-way; insulated; red

www.wago.com/2000-406/000-005

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

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Item no.: 2000-406/020-000
Delta jumper; insulated; light gray

www.wago.com/2000-406/020-000



Item no.: 2000-437
Jumper; from 1 to 7; insulated; light gray

www.wago.com/2000-437



Item no.: 2000-438
Jumper; from 1 to 8; insulated; light gray

www.wago.com/2000-438



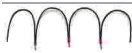
Item no.: 2000-439
Jumper; from 1 to 9; insulated; light gray

www.wago.com/2000-439



Item no.: 2000-440
Jumper; from 1 to 10; insulated; light gray

www.wago.com/2000-440



Item no.: 210-103
Wire commoning chain; insulated; black

www.wago.com/210-103

Ferrule

Ferrule



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

Marking accessories

Marking strip



Item no.: 2009-110
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

www.wago.com/2009-110

Marker carrier



Item no.: 2000-121
Adaptor; gray

www.wago.com/2000-121

Marker



Item no.: 2009-113
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

www.wago.com/2009-113

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

	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.: 2009-113/000-012 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; orange	www.wago.com/2009-113/000-012
	Item no.: 2009-113/000-007 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; gray	www.wago.com/2009-113/000-007
	Item no.: 2009-113/000-005 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; red	www.wago.com/2009-113/000-005
	Item no.: 2009-113/000-017 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; light green	www.wago.com/2009-113/000-017
	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.: 2009-113/000-024 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; violet	www.wago.com/2009-113/000-024
	Item no.: 2009-113/000-023 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; green	www.wago.com/2009-113/000-023
	Item no.: 793-3501 WMB marking card; as card; plain; snap-on type; white	www.wago.com/793-3501
Group marker carrier		
	Item no.: 2009-191 Group marker carrier; gray	www.wago.com/2009-191

Downloads

Documentation

Bid Text

2000-5477	19 февр. 2019 г.	xml	Download
X81 - Datei		4.0 kB	

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



2000-5477	7 авг. 2018 г.	docx	Download
docx - Datei		15.4 kB	

Additional Information

Technical Section		pdf	Download
Technical explanations		2.3 MB	

CAD/CAE-Data

CAD data

2D/3D Models 2000-5477	URL	Download
------------------------	-----	----------

CAE data

EPLAN Data Portal 2000-5477	URL	Download
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ZUKEN Portal 2000-5477	URL	Download
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Asset Administration Shell

Asset Administration Shell 2000-5477	URL	Download
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Environmental Product Compliance

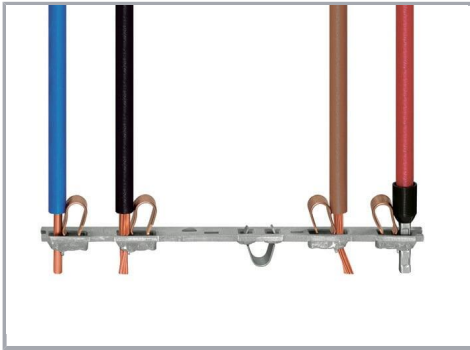
Compliance Search

Environmental Product Compliance 2000-5477	URL	Download
4-conductor sensor supply terminal block; with ground contact; with colored conductor entries; 1 mm ² ; Push-in CAGE CLAMP®; 1,00 mm ² ; orange		

Installation Notes

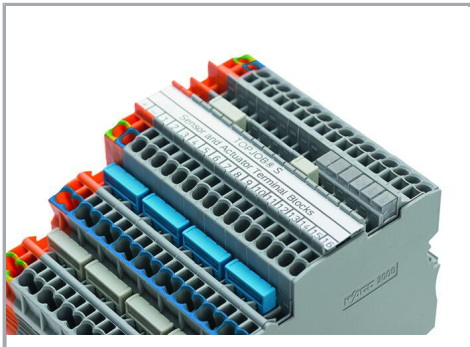
Conductor termination

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



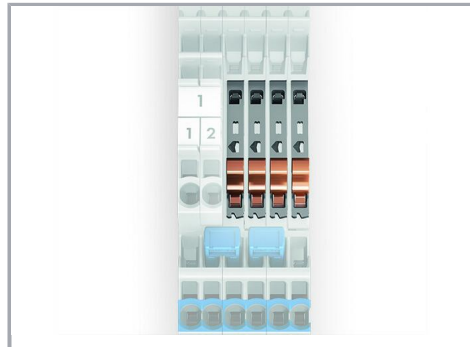
All conductor types at a glance

Commoning



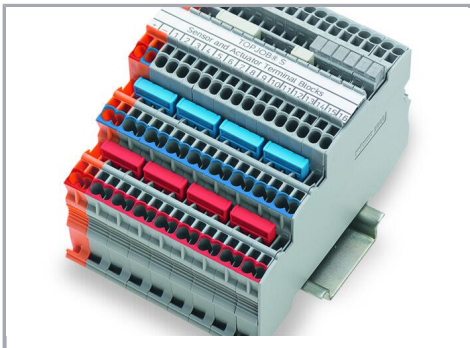
Commoning (signal level):

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.



Upper level: Two independent signal pathways

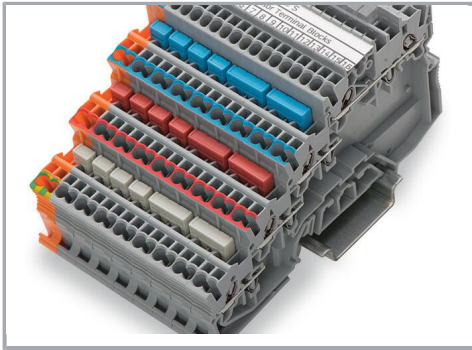
Commoning



Commoning (potential level):

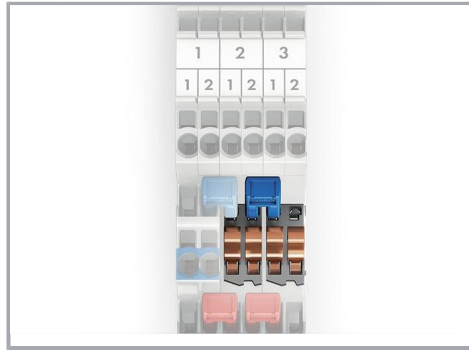
Commoning potential levels via push-in type jumper bars (2000 Series).

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



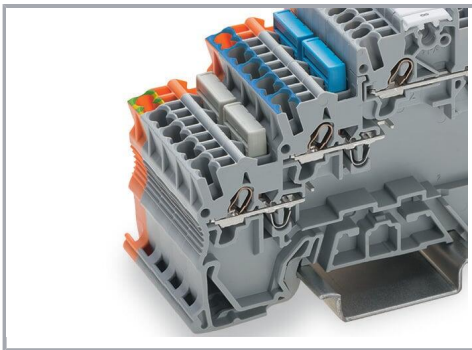
Commoning (potential level):

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



Potential levels: Two adjacent commoning options on a current bar

Commoning



Ground commoning:

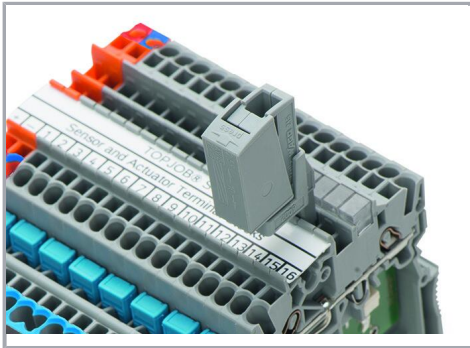
For sensor and actuator terminal blocks without ground connection to the DIN-rail, the ground connection can be performed by commoning to the terminal block with a ground foot.



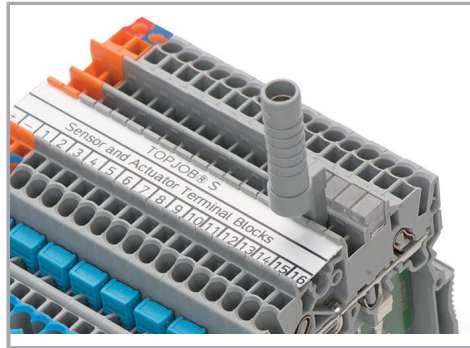
For example, colored push-in type jumper bars are used with sensor terminal blocks.

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).

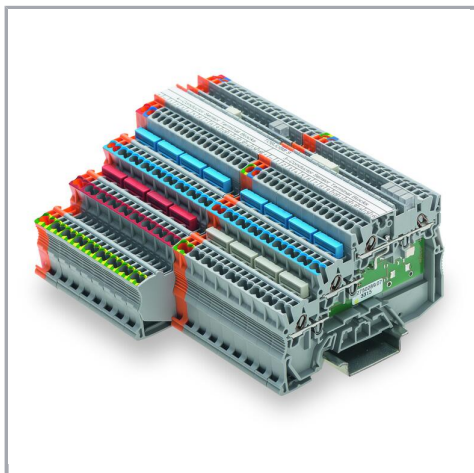
Application



Supply:

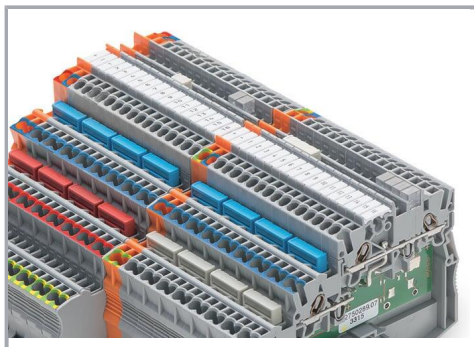
Orange supply terminal block of same profile with a power supply option from both the cabinet and sensor sides

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



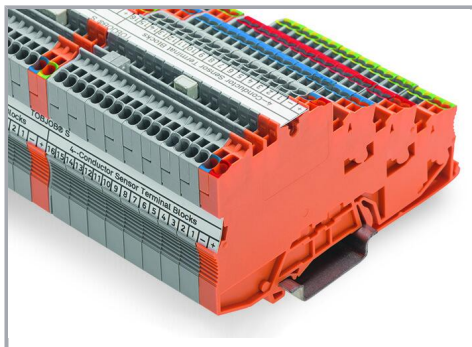
Terminal block assembly with 4-conductor sensor terminal blocks and 3-conductor actuator terminal blocks

Marking



Marking:

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



Marking:

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

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!

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