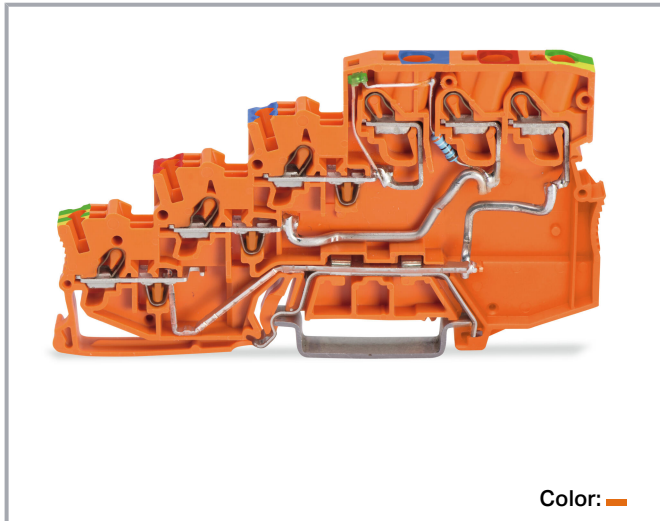


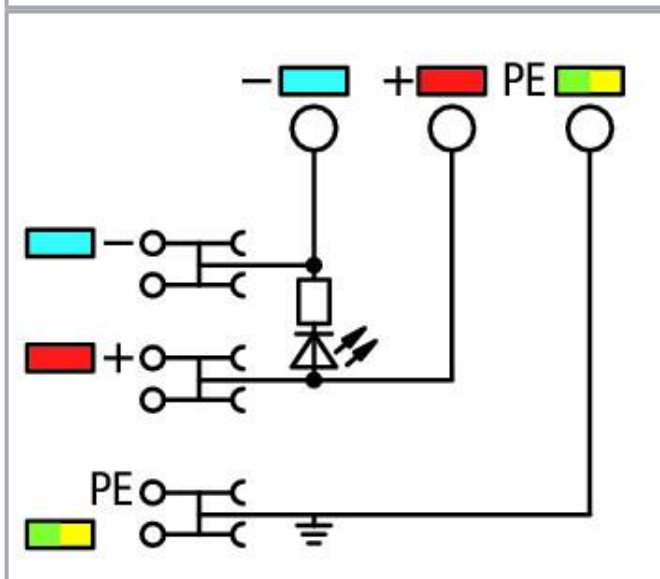
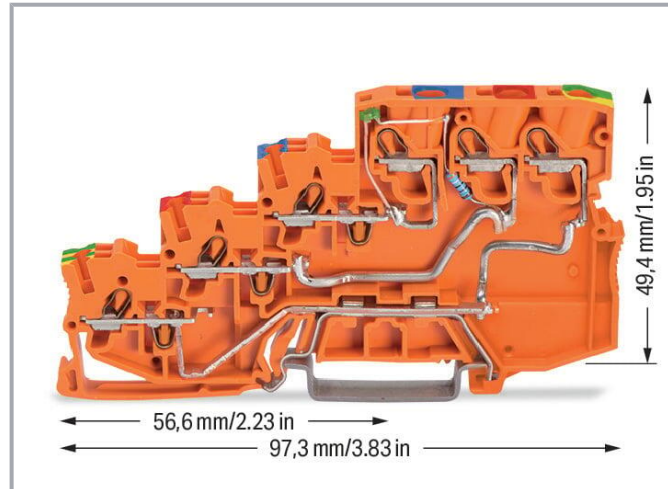
Data sheet | Item number: 2000-5457/1102-953

4-conductor sensor supply terminal block; LED (green); Power supply from control panel side; with ground contact; 2.5 mm²; Push-in CAGE CLAMP®; 2,50 mm²; orange

www.wago.com/2000-5457/1102-953



Color: 



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 current	28 A

Ratings per UL 1059

Approvals per	UL 1059
Rated voltage UL (Use Group B)	24 V
Rated current UL (Use Group B)	20 A
Rated voltage UL (Use Group D)	24 V
Rated current UL (Use Group D)	20 A

Ratings per CSA

Approvals per	CSA 22.2 No 158
Rated voltage CSA (Use Group C)	24 V
Rated current CSA (Use Group C)	20 A

Power loss

Power loss, per pole (potential)	1.043 W
Rated current I_N for specified power loss	28 A
Resistance value for specified, current-dependent power loss	0.001 Ω

Connection data

Connection points	8
Total number of potentials	3
Number of levels	4
Number of jumper slots	3
Anzahl Brückeraufnahmen Rang	4

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool

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



Connectable conductor materials	Copper 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 insulated ferrule	0.14 ... 0.75 mm ² / 24 ... 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 ... 0.75 mm ² / 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

Connection 2

Solid conductor 2	0.25 ... 4 mm ² / 22 ... 12 AWG
Solid conductor; push-in termination 2	0.25 ... 4 mm ² / 22 ... 12 AWG
Fine-stranded conductor 2	0.25 ... 4 mm ² / 22 ... 12 AWG

Physical data

Width	7 mm / 0.276 inches
Height	97.3 mm / 3.831 inches
Depth from upper-edge of DIN-rail	49.4 mm / 1.945 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	0.357 MJ
Weight	24.2 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
PU (SPU)	15 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143533195
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!

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

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

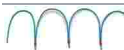
www.wago.com/2009-174

Item no.: 2009-182

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

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

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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**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

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

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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



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

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



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



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

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

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

Mounting

Cover carrier



Item no.: 709-169

Cover carrier; Type 3; 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

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



Item no.: 210-112

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored

www.wago.com/210-112



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; silver-colored

www.wago.com/210-115



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

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

Push-in type wire jumper

Jumper

Item no.: 2009-404

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

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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**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****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.: 2009-113/000-012**

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

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

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**Item no.: 793-3501**

WMB marking card; as card; plain; snap-on type; white

www.wago.com/793-3501**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**Item no.: 210-719**

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

www.wago.com/210-719**Downloads****Documentation****Bid Text**

2000-5457/1102-953 X81 - Datei	2019 Feb 19	xml 4.1 kB	Download
2000-5457/1102-953 docx - Datei	2018 Aug 7	docx 15.5 kB	Download

Additional Information

Technical Section Technical explanations	pdf 2.2 MB	Download
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CAD/CAE-Data**CAE data**

EPLAN Data Portal 2000-5457/1102-953	URL	Download
EPLAN Data Portal 2000-5457/1102-953	URL	Download
ZUKEN Portal 2000-5457/1102-953	URL	Download

CAD data

2D/3D Models 2000-5457/1102-953	URL	Download
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Subject to changes. Please also observe the further product documentation!

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2000-5457/1102-953

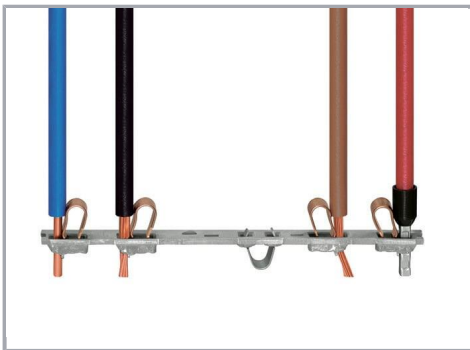
URL

Download

4-conductor sensor supply terminal block; LED (green); Power supply from control panel side; with ground contact; 2.5 mm²; Push-in CAGE CLAMP®; 2,50 mm²; orange

Installation Notes

Conductor termination



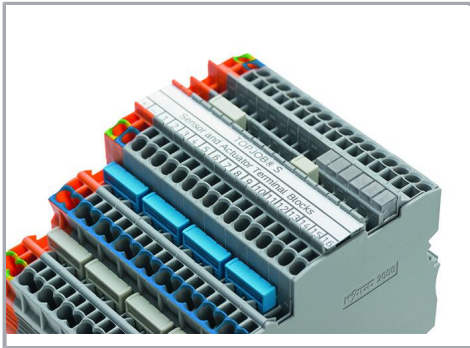
All conductor types at a glance

Commoning

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

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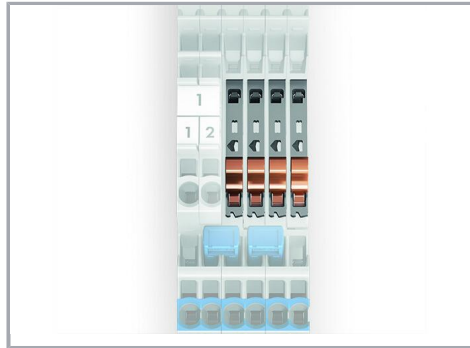
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Commoning (signal level):

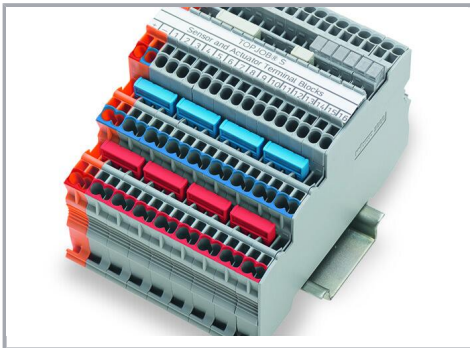
Commoning the signal level with push-in type jumper bars (2000 Series). Models with an LED can only be commoned in one jumper slot!

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



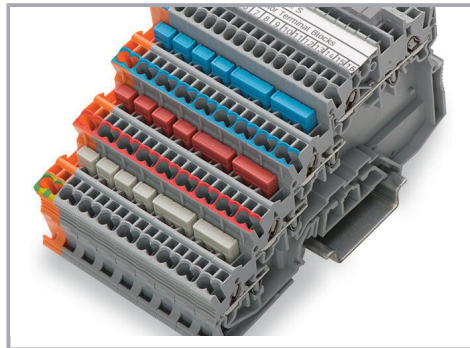
Upper level: Two independent signal pathways

Commoning



Commoning (potential level):

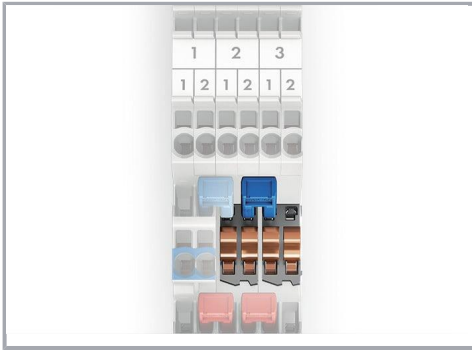
Commoning potential levels via push-in type jumper bars (2000 Series).



Commoning (potential level):

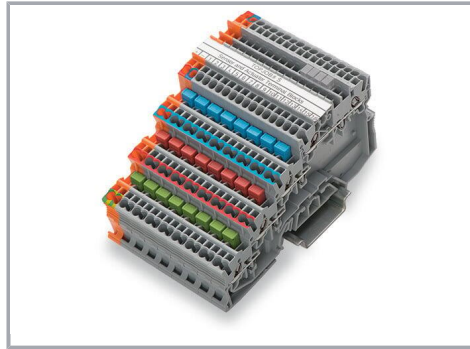
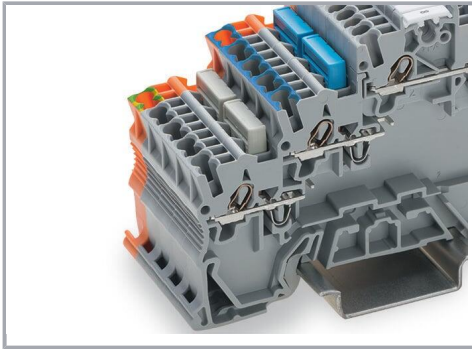
Continuous commoning in the potential levels via push-in type jumper bars for even pole numbers (2000 Series)

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



Potential levels: Two adjacent commoning options on a current bar

Commoning



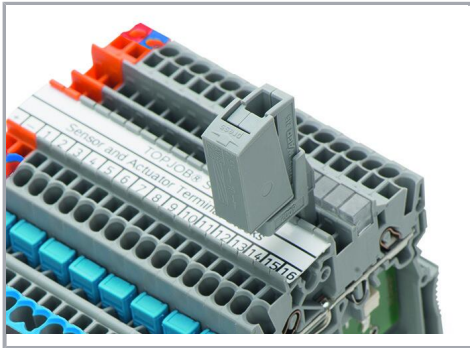
Ground commoning:

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.

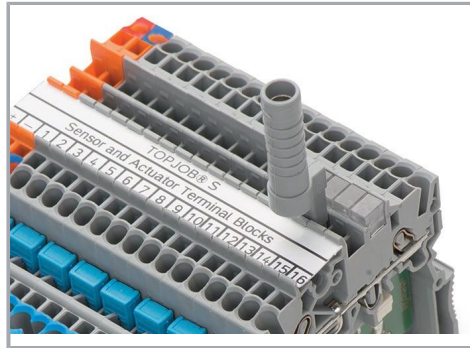
For example, colored push-in type jumper bars are used with sensor terminal blocks.

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).

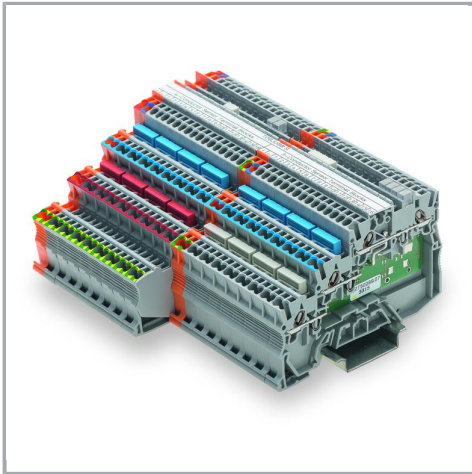
Application



Supply:

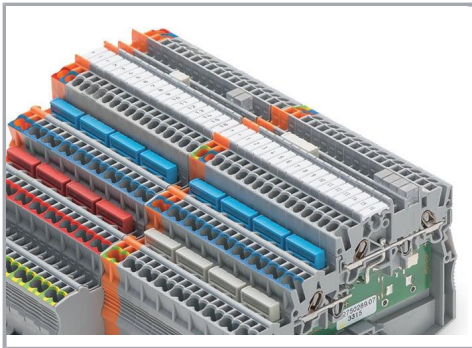
Orange supply terminal block of same profile with a power supply option from both the cabinet and sensor sides

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



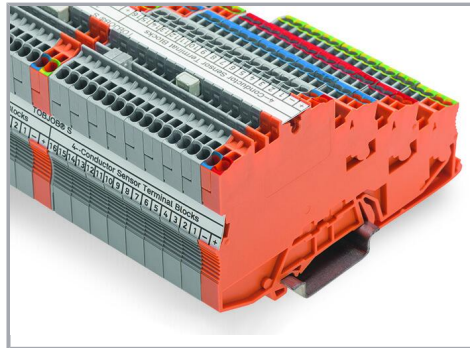
Terminal block assembly with 4-conductor sensor terminal blocks and 3-conductor actuator terminal blocks

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!