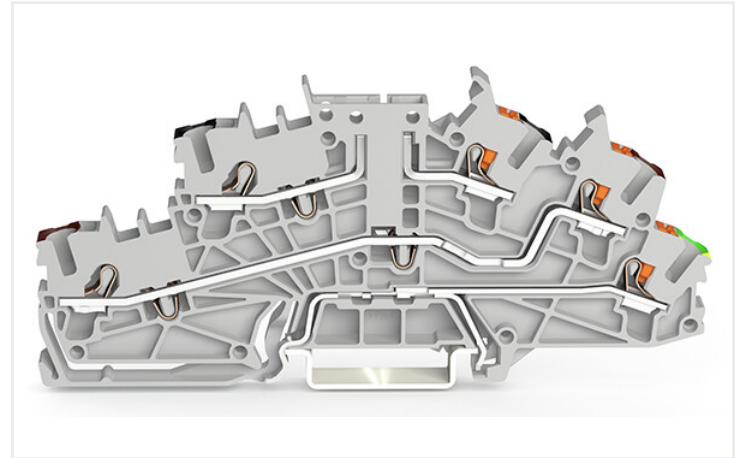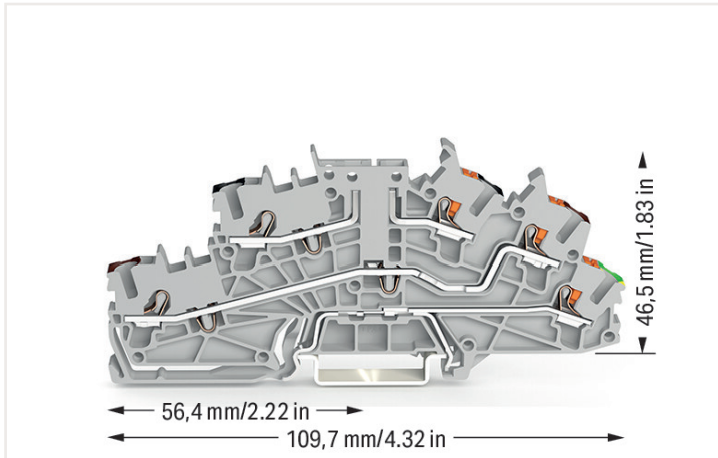# Data sheet | Item number: 2203-6543

Multilevel installation terminal block; with operating slots and push-button; 2.5 mm²; Carrier terminal block without knife; P2/P1/PE; black upper deck; brown middle deck; green-yellow lower deck; Push-in CAGE CLAMP®; 2,50 mm²; gray

https://www.wago.com/2203-6543

Color: ■ gray

Electrical data

Ratings per IEC/EN

Ratings (note)	Potential – ground
Nominal voltage (III/3)	250 V
Rated impulse voltage (III/3)	4 kV
Rated current	24 A
Note (rated current)	Maximum current depends on accessories used.
Ratings (note) 2	Potential – potential
Rated voltage (III/3) 2	400 V
Rated surge voltage (III/3) 2	6 kV
Rated current 2	31 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Connection data

Total number of connection points	5
Total number of potentials	3
Number of levels	3

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-in Operating tool
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 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	10 … 12 mm / 0.39 … 0.47 inch

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Connection 1

Wiring direction	Front-entry wiring

Connection 2

Actuation type 2	Push-in Push-button

Physical data

Width	5.2 mm / 0.205 inch
Height	109.7 mm / 4.319 inch
Depth from upper-edge of DIN-rail	46.5 mm / 1.831 inch

Mechanical data

Potential marking	P2/P1/PE
Mounting type	DIN-35 rail
Marking level	Center/side marking

Material data

Note (material data)	Information on material data can be found here
Color	gray
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.311 MJ
Weight	20.2 g

Commercial data

PU (SPU)	50 Pieces
Packaging type	Box
Country of origin VKOrg Germany	DE
GTIN	4066966165470
Customs tariff number VKOrg Germany	85369010000

Approvals and certificates

Country specific Approvals

Approval	Standard	Certificate name
CSA DEKRA Certification B.V.	C22.2	80093552

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Downloads	

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 2203-6543	↓

Documentation

Additional Information		
Technical Section	pdf 2142.18 KB	↓

1 Compatible products

1.1 Required accessories

1.1.1 End plate

1.1.1.1 End plate

Item no.: 2203-6692
End and intermediate plate; 0.8 mm thick; orange

1.2 Optional accessories

1.2.1 DIN-rail

1.2.1.1 Mounting accessories

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

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

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

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

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

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

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

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

1.2.2 End plate

1.2.2.1 End plate

Item no.: 2203-6693
End and intermediate plate; 1 mm thick; only for use with fuse plugs; orange

Item no.: 2203-6694
End and intermediate plate; 1 mm thick; orange

1.2.3 Ferrule

1.2.3.1 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

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

Item no.: 216-262
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

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

Item no.: 216-263
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

Item no.: 216-244
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

Item no.: 216-264
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

Item no.: 216-246
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

Item no.: 216-266
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

1.2.4 Installation

1.2.4.1 Mounting accessories

Item no.: 2009-304
Busbar carrier; not suitable for use as end stop; for DIN 35 rail; 1.5 mm thick; blue

Item no.: 2009-305
Busbar carrier; with end stop function and detachable separator plate; for DIN 35 rail; 7.5 mm thick; blue

Item no.: 709-169
Cover carrier; Type 3; gray

Item no.: 709-156
Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent

1.2.5 Insulation stop

1.2.5.1 Insulation stop

Item no.: 2002-171
Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray

Item no.: 2002-172
Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray

1.2.6 Jumper

1.2.6.1 Jumper

Item no.: 2002-400
Continuous jumper; 2-way; insulated; light gray

Item no.: 2002-423/000-006
Continuous jumper; from 1 to 3; insulated; blue

Item no.: 2002-423
Continuous jumper; from 1 to 3; insulated; light gray

Item no.: 2002-423/000-005
Continuous jumper; from 1 to 3; insulated; red

Data no.: 2002-406/020-000
Delta jumper; insulated; light gray

Item no.: 2002-410/000-006
Jumper; 10-way; insulated; blue

Item no.: 2002-410
Jumper; 10-way; insulated; light gray

Item no.: 2002-410/000-005
Jumper; 10-way; insulated; red

Item no.: 2002-402/000-006
Jumper; 2-way; insulated; blue

Item no.: 2002-402
Jumper; 2-way; insulated; light gray

Item no.: 2002-402/000-005
Jumper; 2-way; insulated; red

Item no.: 2002-403/000-006
Jumper; 3-way; insulated; blue

1.2.6.1 Jumper

Item no.: 2002-403
Jumper; 3-way; insulated; light gray

Item no.: 2002-403/000-005
Jumper; 3-way; insulated; red

Item no.: 2002-404/000-006
Jumper; 4-way; insulated; blue

Item no.: 2002-404
Jumper; 4-way; insulated; light gray

Item no.: 2002-404/000-005
Jumper; 4-way; insulated; red

Item no.: 2002-405/000-006
Jumper; 5-way; insulated; blue

Item no.: 2002-405
Jumper; 5-way; insulated; light gray

Item no.: 2002-405/000-005
Jumper; 5-way; insulated; red

Item no.: 2002-406/000-006
Jumper; 6-way; insulated; blue

Item no.: 2002-406
Jumper; 6-way; insulated; light gray

Item no.: 2002-406/000-005
Jumper; 6-way; insulated; red

Item no.: 2002-407/000-006
Jumper; 7-way; insulated; blue

Item no.: 2002-407
Jumper; 7-way; insulated; light gray

Item no.: 2002-407/000-005
Jumper; 7-way; insulated; red

Item no.: 2002-408/000-006
Jumper; 8-way; insulated; blue

Item no.: 2002-408
Jumper; 8-way; insulated; light gray

Item no.: 2002-408/000-005
Jumper; 8-way; insulated; red

Item no.: 2002-409/000-006
Jumper; 9-way; insulated; blue

Item no.: 2002-409
Jumper; 9-way; insulated; light gray

Item no.: 2002-409/000-005
Jumper; 9-way; insulated; red

Item no.: 2002-440
Jumper; from 1 to 10; insulated; light gray

Item no.: 2002-433
Jumper; from 1 to 3; insulated; light gray

Item no.: 2002-434
Jumper; from 1 to 4; insulated; light gray

Item no.: 2002-435
Jumper; from 1 to 5; insulated; light gray

Item no.: 2002-436
Jumper; from 1 to 6; insulated; light gray

Item no.: 2002-437
Jumper; from 1 to 7; insulated; light gray

Item no.: 2002-438
Jumper; from 1 to 8; insulated; light gray

Item no.: 2002-439
Jumper; from 1 to 9; insulated; light gray

Item no.: 2002-480
Staggered jumper; 10-way; insulated; light gray

Item no.: 2002-481
Staggered jumper; 11-way; insulated; light gray

Item no.: 2002-482
Staggered jumper; 12-way; insulated; light gray

Item no.: 2002-473/011-000
Staggered jumper; 2-way; from 1 to 3; insulated; light gray

Item no.: 2002-472
Staggered jumper; 2-way; insulated; light gray

Item no.: 2002-473
Staggered jumper; 3-way; insulated; light gray

Item no.: 2002-475/011-000
Staggered jumper; 3-way; insulated; light gray

Item no.: 2002-474
Staggered jumper; 4-way; insulated; light gray

Item no.: 2002-475
Staggered jumper; 5-way; insulated; light gray

Item no.: 2002-476
Staggered jumper; 6-way; insulated; light gray

Item no.: 2002-477
Staggered jumper; 7-way; insulated; light gray

Item no.: 2002-478
Staggered jumper; 8-way; insulated; light gray

Item no.: 2002-479
Staggered jumper; 9-way; insulated; light gray

Item no.: 2002-477/011-000
Staggered jumper; insulated; light gray

Item no.: 2002-479/011-000
Staggered jumper; insulated; light gray

Item no.: 2002-481/011-000
Staggered jumper; insulated; light gray

Item no.: 2002-405/011-000
Star point jumper; 3-way; insulated; light gray

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

Item no.: 210-123
Wire commoning chain; insulated; blue

1.2.7 Marking

1.2.7.1 Group marker carrier

Item no.: 2009-191
Group marker carrier; gray

Item no.: 2009-192
Group marker carrier; gray

Item no.: 2009-193
Group marker carrier; gray

1.2.7.2 Marker

Item no.: 2009-145/000-006
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

Item no.: 2009-145/000-007
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray

Item no.: 2009-145/000-023
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green

Item no.: 2009-145/000-012
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

Item no.: 2009-145/000-005
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red

Item no.: 2009-145/000-024
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

Item no.: 2009-145
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

Item no.: 2009-145/000-002
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

Item no.: 248-501/000-006
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue

Item no.: 248-501/000-007
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray

Item no.: 248-501/000-023
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green

Item no.: 248-501/000-017
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green

Item no.: 248-501/000-012
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange

Item no.: 248-501/000-005
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red

Item no.: 248-501/000-024
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet

Item no.: 248-501
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

Item no.: 248-501/000-002
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

Item no.: 793-5501/000-006
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue

Item no.: 793-5501/000-014
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown

Item no.: 793-5501/000-007
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray

Item no.: 793-5501/000-017
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green

Item no.: 793-5501/000-023
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green

Item no.: 793-5501/000-012
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange

Item no.: 793-5501/000-005
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red

Item no.: 793-5501/000-024
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet

Item no.: 793-5501
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white

Item no.: 793-5501/000-002
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

Item no.: 793-501/000-006
WMB marking card; as card; not stretchable; plain; snap-on type; blue

Item no.: 793-501/000-007
WMB marking card; as card; not stretchable; plain; snap-on type; gray

Item no.: 793-501/000-023
WMB marking card; as card; not stretchable; plain; snap-on type; green

Item no.: 793-501/000-017
WMB marking card; as card; not stretchable; plain; snap-on type; light green

Item no.: 793-501/000-012
WMB marking card; as card; not stretchable; plain; snap-on type; orange

Item no.: 793-501/000-005
WMB marking card; as card; not stretchable; plain; snap-on type; red

Item no.: 793-501/000-024
WMB marking card; as card; not stretchable; plain; snap-on type; violet

Item no.: 793-501
WMB marking card; as card; not stretchable; plain; snap-on type; white

Item no.: 793-501/000-002
WMB marking card; as card; not stretchable; plain; snap-on type; yellow

Item no.: 2009-115/000-006
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

Item no.: 2009-115/000-007
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray

Item no.: 2009-115/000-023
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green

Item no.: 2009-115/000-017
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green

1.2.7.2 Marker

Item no.: 2009-115/000-012
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

Item no.: 2009-115/000-005
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red

Item no.: 2009-115/000-024
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

Item no.: 2009-115
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

Item no.: 2009-115/000-002
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

1.2.7.3 Marker carrier

Item no.: 2009-198
Adaptor; gray

1.2.7.4 Marking strip

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

1.2.8 Plug

1.2.8.1 Fuse plug

Item no.: 2003-911/1000-923
Double fuse plug; for 5 x 20 mm miniature metric fuse; with indicator lamp; 230 V; 10.4 mm wide; gray

Item no.: 2003-911
Double fuse plug; for 5 x 20 mm miniature metric fuse; without blown fuse indication; 10.4 mm wide; gray

Item no.: 2004-911/1000-541
Fuse plug; with pull-tab; for 5 x 20 mm miniature metric fuse; with indicator lamp; 12 - 30 V; 6.1 mm wide; gray

Item no.: 2004-911/1000-867
Fuse plug; with pull-tab; for 5 x 20 mm miniature metric fuse; with indicator lamp; 120 V; 6.1 mm wide; gray

Item no.: 2004-911/1000-836
Fuse plug; with pull-tab; for 5 x 20 mm miniature metric fuse; with indicator lamp; 230 V; 6.1 mm wide; gray

Item no.: 2004-911/1000-542
Fuse plug; with pull-tab; for 5 x 20 mm miniature metric fuse; with indicator lamp; 30 - 65 V; 6.1 mm wide; gray

Item no.: 2004-911
Fuse plug; with pull-tab; for miniature metric fuses 5 x 20 mm and 5 x 25 mm; without blown fuse indication; 6.1 mm wide; gray

1.2.9 Push-in type wire jumper

1.2.9.1 Jumper

Item no.: 2009-414
Push-in type wire jumper; 1.5 mm²; insulated; 110 mm long; black

Item no.: 2009-414/000-005
Push-in type wire jumper; 1.5 mm²; insulated; 110 mm long; black

Item no.: 2009-416
Push-in type wire jumper; 1.5 mm²; insulated; 250 mm long; black

Item no.: 2009-414/000-006
Push-in type wire jumper; insulated; 110 mm long; black

Item no.: 2009-412
Push-in type wire jumper; insulated; 60 mm long; black

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1.2.10 Test and measurement

1.2.10.1 Testing accessories

Item no.: 2003-499
Test plug adapter N/L; for 2003-6641 and 2003-6640 Multilevel Installation Terminal Blocks; for vertical test slot; 2-pole; gray

Item no.: 2003-500
Test plug adapter N; for 2003-6641 and 2003-6640 Multilevel Installation Terminal Blocks; for vertical test slot; 1-pole; gray

Item no.: 2009-174
Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray

Item no.: 210-136
Test plug; 2 mm Ø; with 500 mm cable; red

Item no.: 2009-182
Testing tap; for max. 2.5 mm²; tool-free connection for individual test wires 0.08 - 2.5 mm; gray

1.2.11 Tool

1.2.11.1 Operating tool

Item no.: 210-658
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured

Item no.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Item no.: 2009-309
Operating tool; Blades: 3.5 x 0.5 mm and 2.5 x 0.4 mm; for TOPJOB®S installation terminal blocks

Item no.: 2009-310
Operating tool; Blades: 3.5 x 0.5 mm and 5.5 x 0.8 mm; for TOPJOB®S installation terminal blocks; green

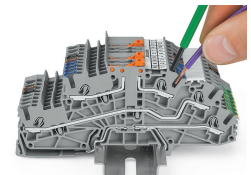## Installation notes

Conductor termination

All conductor types at a glance
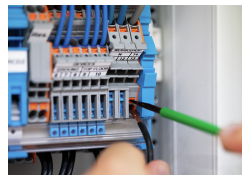
Conductor termination

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.
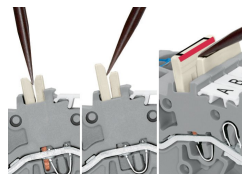
Inserting a conductor via operating tool. Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.
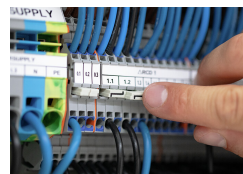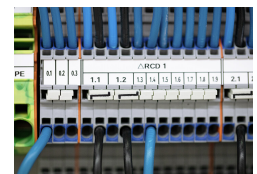
Commoning
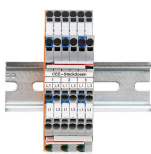
Commoning two potentials in one single jumper slot via extremely slim staggered jumpers.

Removing a staggered jumper:
Insert the operating tool between the staggered jumpers, then lift up the jumper.
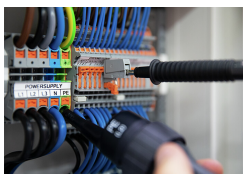
The 1-to-3 adjacent jumper for continuous commoning enables every other terminal block to be commoned. For example, positive and negative potentials can be accommodated alongside each other.

Adjacent Jumpers for Continuous Commoning (2002-400)

Testing

Testing