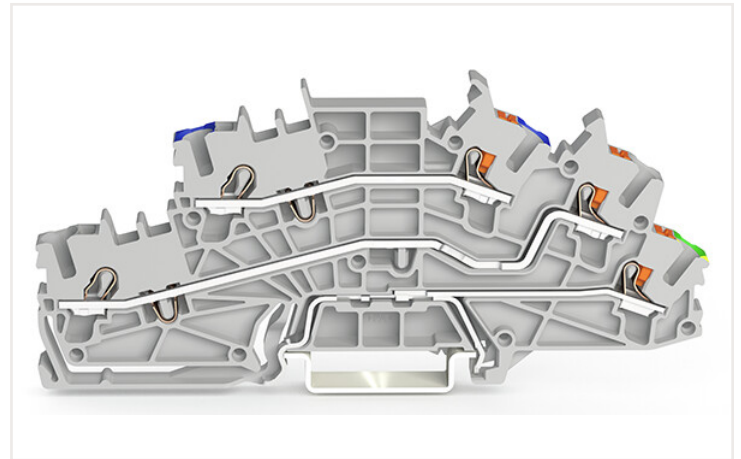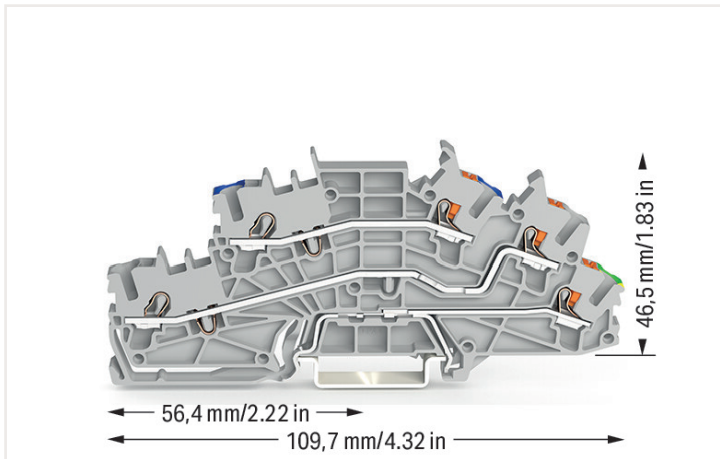# Data sheet | Item number: 2203-6546

Multilevel installation terminal block; with operating slots and push-button; 2.5 mm²; N/L/PE; green-yellow lower deck; Push-in CAGE CLAMP®; 2,50 mm²; gray

https://www.wago.com/2203-6546

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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
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
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	N/L/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	0.307 MJ
Weight	20.2 g

Commercial data

PU (SPU)	50 Pieces
Packaging type	Box
Country of origin VKOrg Germany	DE
GTIN	4066966165531
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 2203-6546	↓

Documentation

Additional Information

Technical Section	pdf 2142.18 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models 2203-6546	↓

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 Ferrule

1.2.2.1 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

1.2.3 Installation

1.2.3.1 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

1.2.4 Insulation stop

1.2.4.1 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

1.2.5 Jumper

1.2.5.1 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

1.2.5.1 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	

1.2.6 Marking

1.2.6.1 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

1.2.6.2 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

Version 13.04.2022

1.2.6.2 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

1.2.6.3 Marker carrier

Item no.: 2009-198
Adaptor; gray

1.2.6.4 Marking strip

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

1.2.7 Push-in type wire jumper

1.2.7.1 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

1.2.8 Test and measurement

1.2.8.1 Testing accessories

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

1.2.9 Tool

1.2.9.1 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
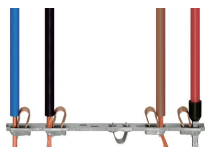Operating tool; Blades: 3.5 x 0.5 mm and 2.5 x 0.4 mm; for TOPJOB®S installation terminal blocks
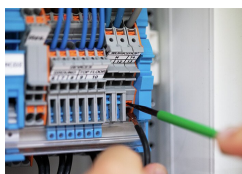
Item no.: 2009-310
Operating tool; Blades: 3.5 x 0.5 mm and 5.5 x 0.8 mm; for TOPJOB®S installation terminal blocks; green

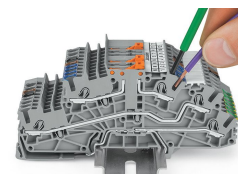## Installation notes

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.
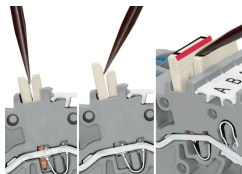

Inserting a conductor via operating tool. Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.
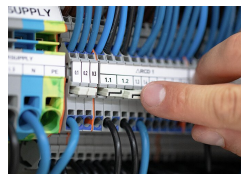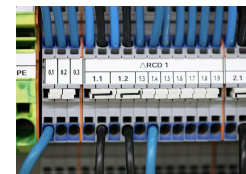
Commoning

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

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

Current addresses can be found at: www.wago.com