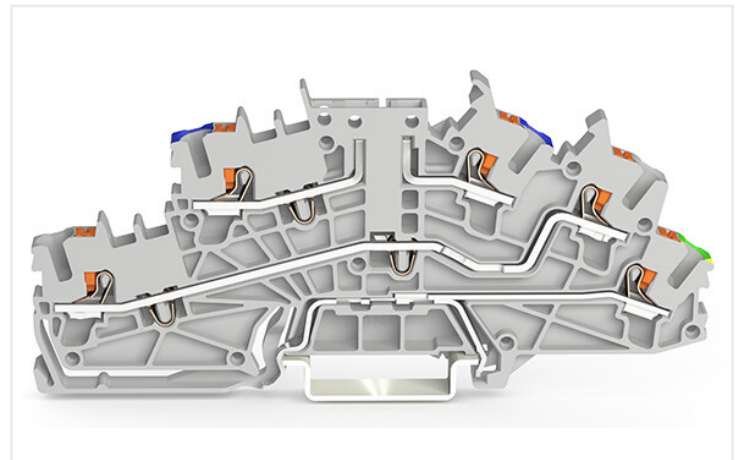
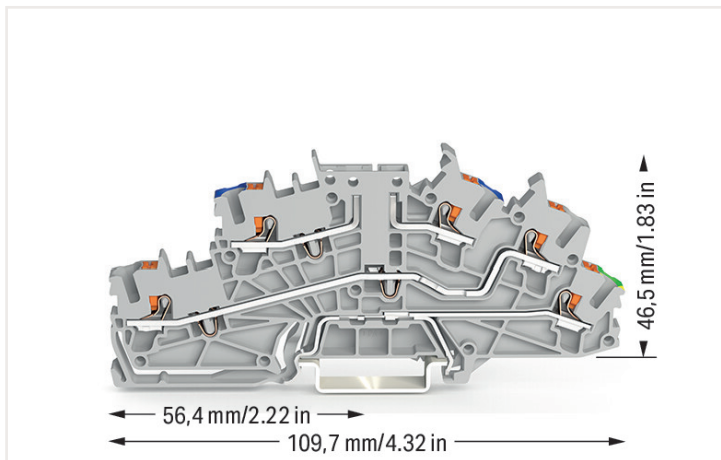


Data sheet | Item number: 2203-6640

Multilevel installation terminal block; with push-button; 2.5 mm²; Carrier terminal block without knife; N/L/PE; green-yellow lower deck; Push-in CAGE CLAMP®; 2,50 mm²; 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	22 A
Note (rated current)	Maximum current depends on accessories used.
Ratings (note) 2	Potential – ground
Rated voltage (III/3) 2	250 V
Rated surge voltage (III/3) 2	4 kV
Rated current 2	22 A
Ratings (note) 3	Potential – potential
Rated voltage (III/3) 3	400 V
Rated surge voltage (III/3) 3	6 kV
Rated current 3	27 A
Ratings (note) 4	Potential – potential
Rated voltage (III/3) 4	400 V
Rated surge voltage (III/3) 4	6 kV
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3
Rated current 4	27 A

Power loss

Power loss, per pole (potential)	0.6437 W
Rated current I_N for specified power loss	22 A
Resistance value for specified, current-dependent power loss	0.00133 Ω

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 Push-button
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm ²
Solid conductor	0.25 ... 4 mm ² / 22 ... 12 AWG
Solid conductor; push-in termination	0.75 ... 4 mm ² / 18 ... 12 AWG
Fine-stranded conductor	0.25 ... 4 mm ² / 22 ... 12 AWG

Connection 1

Fine-stranded conductor; with insulated ferrule	0.25 ... 2.5 mm ² / 22 ... 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 ... 2.5 mm ² / 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 inches
Wiring direction	Front-entry wiring

Physical data

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

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
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.308 MJ
Weight	20.3 g

Commercial data

PU (SPU)	50 Pieces
Packaging type	Box
Country of origin VKOrg Germany	DE
GTIN	4066966165364
Customs tariff number VKOrg Germany	85369010000

Approvals and certificates

Country specific Approvals



Approval	Standard	Certificate name
CCA DEKRA Certification B.V.	EN 60947	NTR NL 7923
CSA DEKRA Certification B.V.	C22.2	80093552
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-122696

UL-Approvals



Approval	Standard	Certificate name
UR Underwriters Laboratories Inc.	UL 1059	E 45172

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 2203-6640	↓

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
 Item 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
 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

1.2.6.1 Jumper



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

<p>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</p>	<p>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</p>	<p>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</p>	<p>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</p>
<p>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</p>	<p>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</p>	<p>Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<p>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</p>
<p>Item no.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue</p>	<p>Item no.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray</p>	<p>Item no.: 248-501/000-023 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green</p>	<p>Item no.: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green</p>
<p>Item no.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange</p>	<p>Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red</p>	<p>Item no.: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet</p>	<p>Item no.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white</p>
<p>Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow</p>	<p>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</p>	<p>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</p>	<p>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</p>
<p>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; green</p>	<p>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; light green</p>	<p>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</p>	<p>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</p>
<p>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</p>	<p>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</p>	<p>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</p>	<p>Item no.: 793-501/000-006 WMB marking card; as card; not stretchable; plain; snap-on type; blue</p>
<p>Item no.: 793-501/000-007 WMB marking card; as card; not stretchable; plain; snap-on type; gray</p>	<p>Item no.: 793-501/000-023 WMB marking card; as card; not stretchable; plain; snap-on type; green</p>	<p>Item no.: 793-501/000-017 WMB marking card; as card; not stretchable; plain; snap-on type; light green</p>	<p>Item no.: 793-501/000-012 WMB marking card; as card; not stretchable; plain; snap-on type; orange</p>

1.2.7.2 Marker



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



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

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

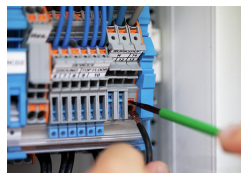
Operating tool; Blades: 3.5 x 0.5 mm and 5.5 x 0.8 mm; for TOPJOB®S installation terminal blocks; green

Installation notes

Conductor termination



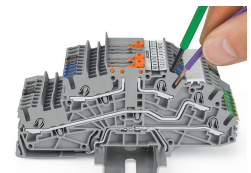
All conductor types at a glance



Conductor termination

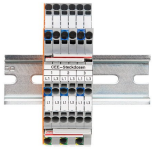


Inserting a conductor via push-in termination. Solid conductors with cross-sections from either one size above, or up to two sizes below, the rated cross-section can be simply pushed in – no tools needed.

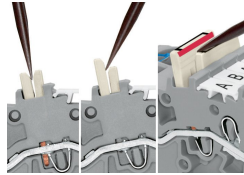


Inserting a conductor via operating tool. Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.

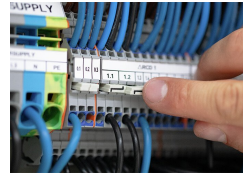
Commoning



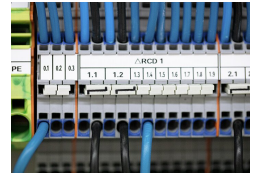
Commoning two potentials in one single jumper slot via extremely slim staggered jumpers.



Removing a staggered jumper: Insert the operating tool between the staggered jumpers, then lift up the jumper.

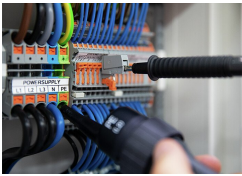


The 1-to-3 adjacent jumper for continuous commoning enables every other terminal block to be commoned. For example, positive and negative potentials can be accommodated alongside each other.



Adjacent Jumpers for Continuous Commoning (2002-400)

Testing



Testing