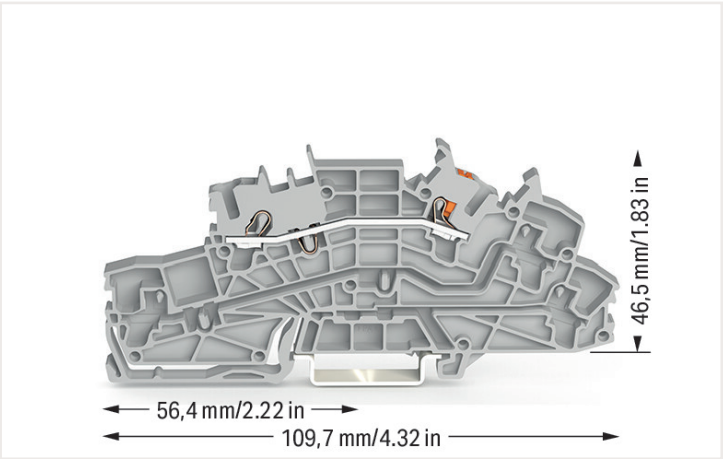


Data sheet | Item number: 2203-6550

Multilevel installation terminal block; with operating slots and push-button; 2.5 mm²;
L; Push-in CAGE CLAMP®; 2,50 mm²; gray



Electrical data			
Ratings per IEC/EN		Power loss	
Nominal voltage (III/3)	400 V	Power loss, per pole (potential)	0.7661 W
Rated impulse voltage (III/3)	6 kV	Rated current I _N for specified power loss	24 A
Rated current	24 A	Resistance value for specified, current-dependent power loss	0.00133 Ω
Rated current 2	31 A		
Legend (ratings)	(III / 3) Δ Overvoltage category III / Pollution degree 3		

Connection data			
Total number of connection points	2	Connection 1	
Total number of potentials	1	Connection technology	Push-in CAGE CLAMP®
Number of levels	3	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 inches
		Wiring direction	Front-entry wiring



Connection 2	
Actuation type 2	Push-in Push-button

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	L
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	0.305 MJ
Weight	12.7 g

Commercial data	
PU (SPU)	50 Pieces
Packaging type	Box
Country of origin VKOrg Germany	DE
GTIN	4066966165340
Customs tariff number VKOrg Germany	85369010000

Approvals and certificates

Country specific Approvals	UL-Approvals
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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

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



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2203-6550

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Documentation

Additional Information

Technical Section

pdf 2142.18 KB

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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

1.2.2.1 Ferrule

**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

**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



1.2.5.1 Jumper

 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
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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.: 793-5501/000-023 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.: 793-5501/000-017 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green 	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 
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; insu-
lated; 110 mm long; black



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



Item no.: 2009-416
Push-in type wire jumper; 1.5 mm²; insu-
lated; 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 termi-
nal 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



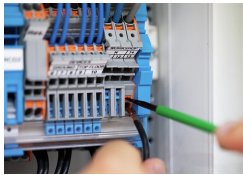
Item no.: 2009-310
Operating tool; Blades: 3.5 x 0.5 mm and
5.5 x 0.8 mm; for TOPJOB®S installation
terminal blocks; green

Installation notes

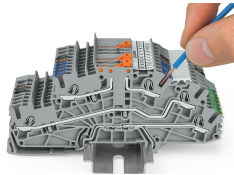
Conductor termination



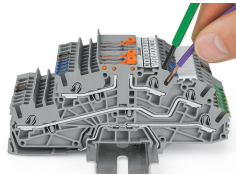
All conductor types at a glance



Conductor termination

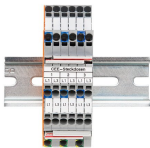


Inserting a conductor via push-in termination. Solid conductors with cross-sections from either one size above, or up to two sizes below, the rated cross-section can be simply pushed in – no tools needed.

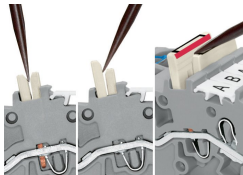


Inserting a conductor via operating tool. Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.

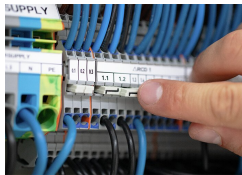
Commoning



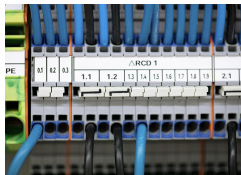
Commoning two potentials in one single jumper slot via extremely slim staggered jumpers.



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