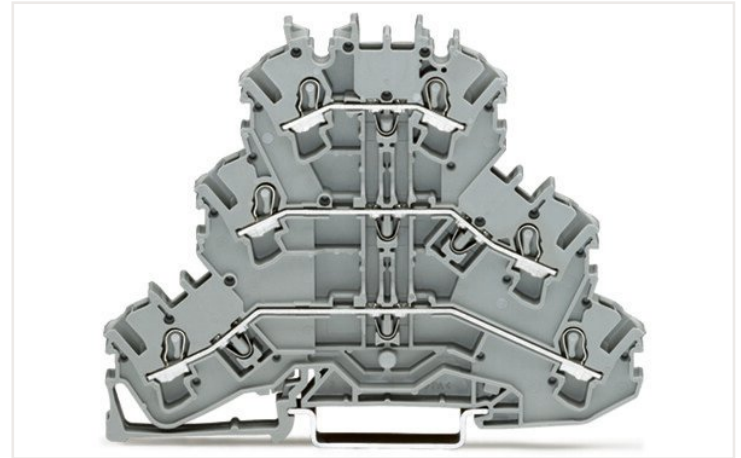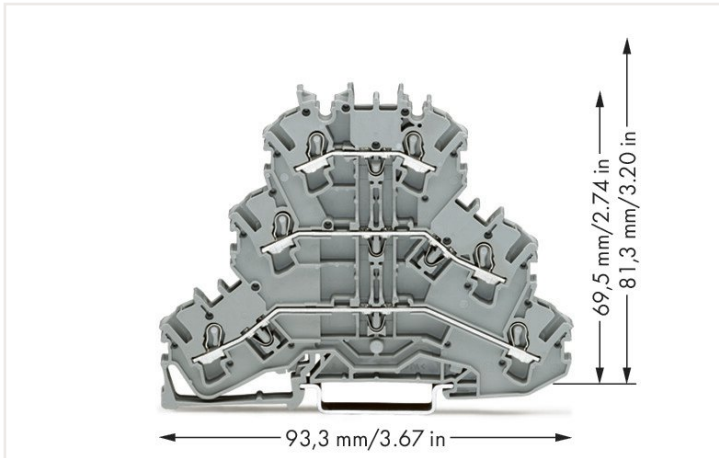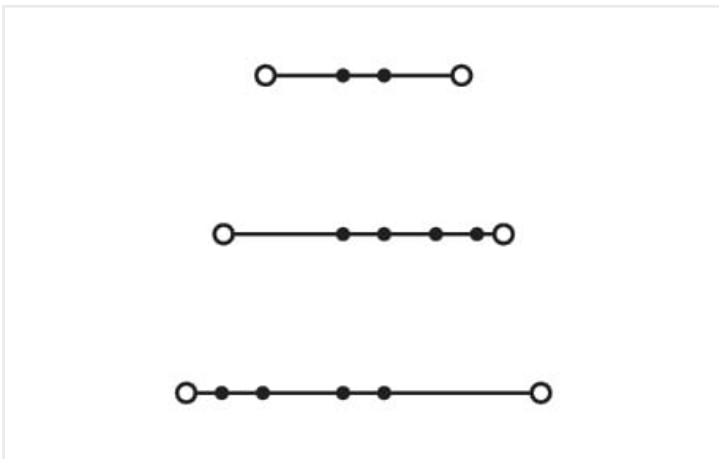# Data sheet | Item number: 2002-3201

Triple-deck terminal block; Through/through/through terminal block; L/L/L; without marker carrier; suitable for Ex e II applications; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; Push-in CAGE CLAMP®; 2,50 mm²; gray

https://www.wago.com/2002-3201

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Color: ▇ gray

Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60947-7-1
Nominal voltage (III/3)	500 V
Rated impulse voltage (III/3)	6 kV
Rated current	24 A
Rated current 2	28 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	20 A
Rated voltage UL (Use Group C)	300 V
Rated current UL (Use Group C)	20 A
Rated voltage UL (Use Group D)	600 V
Rated current UL (Use Group D)	5 A

Ratings per CSA

Approvals per	C22.2 No 158
Rated voltage CSA (Use Group B)	600 V
Rated current CSA (Use Group B)	20 A
Rated voltage CSA (Use Group C)	600 V
Rated current CSA (Use Group C)	20 A

Ex information

Reference hazardous areas	See Downloads – Documentation – Additional Information: Technical Section; Technical explanations
Ratings per	ATEX: PTB 03 ATEX 1162 U / IECEx: PTB 03.0004U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	19 A
Rated current (Ex e II) with jumper	17 A

Connection data

Total number of connection points	6
Total number of potentials	3
Number of levels	3
Number of jumper slots	6

Connection 1

Connection technology	Push-in CAGE CLAMP®
Number of connection points	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 inch
Wiring direction	Front-entry wiring

Connection 2

Number of connection points 2	3

Physical data

Width	5.2 mm / 0.205 inch
Height	93.3 mm / 3.673 inch
Depth from upper-edge of DIN-rail	69.5 mm / 2.736 inch

Mechanical data

Potential marking	L/L/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
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.344 MJ
Weight	16.8 g

Commercial data

Product Group	22 (TOPJOB S)
eCl@ss 10.0	27-14-11-20
eCl@ss 9.0	27-14-11-20
ETIM 7.0	EC000897
ETIM 6.0	EC000897
PU (SPU)	50 Stück
Packaging type	Box
Country of origin VKOrg Germany	DE
GTIN	4044918691185
Customs tariff number VKOrg Germany	85369010000

Approvals / Certificates

Ex-Approvals

Approval	Standard	Certificate name
AEx Underwriters Laboratories Inc.	UL 60079	E185892 (AEx eb IIC resp. Ex eb IIC)
ATEX Physikalisch Technische Bundesanstalt (PTB)	EN 60079	PTB 03 ATEX 1162 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb)
CCCEx CQST/CNEx	CNCA-C23-01	2020312313000238
EAC Brjansker Zertifizierungs-stelle	TP TC 012/2011	RU C-DE.AM02. B.00127/19 (Ex e IIC Gb U)

Country specific Approvals

Approval	Standard	Certificate name
CCA DEKRA Certification B.V.	EN 60947	71-107687
CCA DEKRA Certification B.V.	EN 60947	NTR NL 7892
CCA DEKRA Certification B.V.	C22.2 No. 158	1536069

Ship Approvals

Approval	Standard	Certificate name
ABS American Bureau of Shipping	EN 60947	20-HG1941090-PDA
BV Bureau Veritas S.A.	EN 60947	38586/A0 BV
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2

UL-Approvals

Approval	Standard	Certificate name
UL Underwriters Laboratories Inc.	UL 1059	E45172

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product
Compliance 2002-3201 ↓

Documentation

Additional Information			
Technical Section		pdf 2142.18 KB	↓

Bid Text			
2002-3201	18.04.2019	xml 4.25 KB	↓
2002-3201	18.04.2019	docx 15.57 KB	↓

CAD/CAE-Data

CAD data	
2D/3D Models 2002-3201	↓

CAE data	
EPLAN Data Portal 2002-3201	↓
WSCAD Universe 2002-3201	↓
ZUKEN Portal 2002-3201	↓

1 Compatible products

1.1 Required accessories

1.1.1 End plate

1.1.1.1 End plate

Item no.: 2002-3291
End and intermediate plate; 0.8 mm thick; gray

Item no.: 2002-3292
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.: 210-508
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-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

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1.2.1.1 Mounting accessories

Item no.: 210-506
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; 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

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.: 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
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

1.2.5.1 Jumper

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

Item no.: 2002-492
Vertical jumper; insulated; light gray

Item no.: 2002-493
Vertical jumper; insulated; light gray

Item no.: 2002-492/000-012
Vertical jumper; insulated; orange

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

1.2.6.2 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

1.2.6.3 Marker carrier

Item no.: 2002-131
Adaptor; gray

Item no.: 2002-161
Adaptor; gray

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 Protective warning marker

1.2.7.1 Cover

Item no.: 2002-115
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.2.8 Push-in type wire jumper

1.2.8.1 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

1.2.9 Test and measurement

1.2.9.1 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.: 2009-182
Testing tap; for max. 2.5 mm²; tool-free connection for individual test wires 0.08 - 2.5 mm; gray

Item no.: 2002-649
TOPJOB®S L-type spacer module; modular; e.g., for bridging commoned terminal blocks; gray

Item no.: 2002-611
TOPJOB®S L-type test plug module; modular; 1-pole; 2,50 mm²; gray

1.2.10 Tool

1.2.10.1 Operating tool

Item no.: 210-658
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured
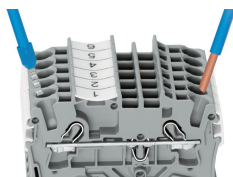
Item no.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured
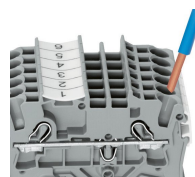
Installation notes

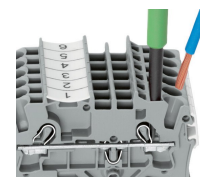### Conductor termination
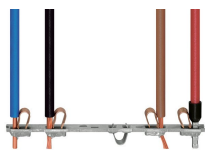
All conductor types at a glance

Push-in termination of solid and ferruled conductors

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.
Advantage:
To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees for easier wiring.
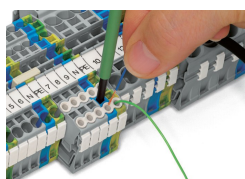
Conductor termination – insulation stop

Commoning
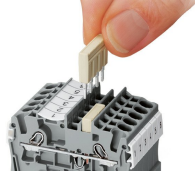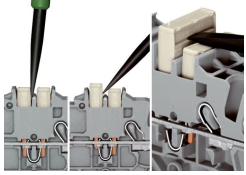
Removing a push-in type jumper bar:
Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper.
Place the operating tool in the center of jumpers for up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.

Insert push-in type jumper bar and push down until it hits backstop..

Commoning
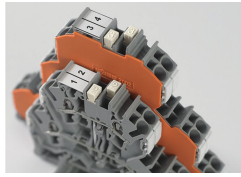
Commoning three levels via triple-deck vertical jumper (2002-493).

Created for double- and triple-deck TOP-JOB® S Terminal Blocks, the vertical jumpers can common two or three levels. Clearly marked numerals ("2" and "3") distinguish the double-deck (2002-0492) and triple-deck vertical jumpers (2002-0493), even when inserted.

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