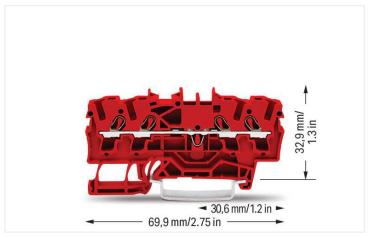
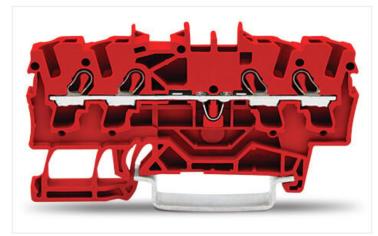
4-conductor through terminal block; 2.5 mm²; suitable for Ex e II applications; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm²; red

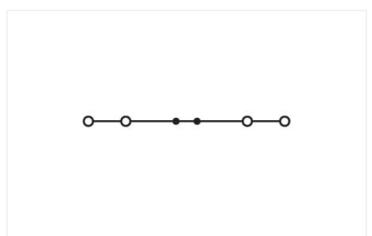


https://www.wago.com/2002-1403





Color: red



Similar to illustration

| Electrical data | | | |
|---|-------|------------|-----|
| Ratings per | IEC | /EN 60947- | 7-1 |
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 800 V | - | - |
| Rated surge voltage | 8 kV | - | - |
| Rated current | 24 A | - | - |
| Current at conductor cross-section (max.) mm ² | 32 A | - | - |

| Approvals per | | UL 1059 | |
|---------------|-------|---------|---|
| Use group | В | С | D |
| Rated voltage | 600 V | 600 V | - |
| Rated current | 20 A | 20 A | - |
| | | | |

| Approvals per | CSA 22.2 No 158 | | |
|---------------|-----------------|-------|---|
| Use group | В | С | D |
| Rated voltage | 600 V | 600 V | - |
| Rated current | 20 A | 20 A | - |

| Ex information | |
|-------------------------------------|---|
| Reference hazardous areas | See application instructions in section "Knowledge and Downloads – Documentation – Additio- nal Information: Technical Section; Tech- nical Explications" |
| Ratings per | ATEX: PTB 03 ATEX 1162 U / IECEx: PTB 03.0004U (Ex eb IIC Gb) |
| Rated voltage EN (Ex e II) | 550 V |
| Rated current (Ex e II) | 22 A |
| Rated current (Ex e II) with jumper | 20 A |

https://www.wago.com/2002-1403





| Connection data | | | |
|----------------------------|--|--------------------------------------|--|
| Connection points | 4 | Connection 1 | |
| Total number of potentials | 1 | Connection technology | Push-in CAGE CLAMP® |
| Number of levels | 1 | Actuation type | Operating tool |
| Number of jumper slots | 2 | Connectable conductor materials | Copper |
| | | Nominal cross-section | 2.5 mm ² |
| | | 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 |

| Physical data | |
|-----------------------------------|------------------------|
| Width | 5.2 mm / 0.205 inches |
| Height | 69.9 mm / 2.752 inches |
| Depth from upper-edge of DIN-rail | 32.9 mm / 1.295 inches |

| Mechanical data | |
|-----------------|---------------------|
| Mounting type | DIN-35 rail |
| Marking level | Center/side marking |

| Material data | |
|-----------------------------|---|
| Note (material data) | Information on material specifications can be found here |
| Color | red |
| Material group | 1 |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.122 MJ |
| Weight | 7.5 g |

https://www.wago.com/2002-1403



Environmental requirements

Processing temperature $-35 \dots +85 \,^{\circ}\text{C}$ Continuous operating temperature $-60 \dots +105 \,^{\circ}\text{C}$

| Commercial data | |
|-----------------------|---------------|
| Product Group | 22 (TOPJOB S) |
| eCl@ss 10.0 | 27-14-11-20 |
| eCl@ss 9.0 | 27-14-11-20 |
| ETIM 8.0 | EC000897 |
| ETIM 7.0 | EC000897 |
| PU (SPU) | 100 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4044918081559 |
| Customs tariff number | 85369010000 |

Environmental Product Compliance

RoHS Compliance Status Compliant,No Exemption

Approvals / Certificates

General approvals







| Approval | Standard | Certificate Name |
|---|---------------|------------------|
| CCA DEKRA Certification B.V. | EN 60947 | NTR NL 7941 |
| CSA DEKRA Certification B.V. | C22.2 No. 158 | 1536069 |
| KEMA/KEUR DEKRA Certification B.V. | EN 60947 | 71-124163 |
| UL Underwriters Laboratories Inc. | UL 1059 | E45172 |

Declarations of conformity and manufacturer's declarations



| Approval | Standard | Certificate Name |
|--|----------|------------------|
| ATEX-Attestation of Conformity WAGO GmbH & Co. KG | - | - |
| EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |
| Railway WAGO GmbH & Co. KG | - | Railway Ready |
| UK-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

Approvals for marine applications







| Approval | Standard | Certificate Name |
|---|----------|------------------|
| ABS American Bureau of Ship- ping | EN 60947 | 20-HG1941090-PDA |
| BV Bureau Veritas S.A. | EN 60947 | 38586/B0 BV |
| DNV GL Det Norske Veritas, Ger- manischer Lloyd | - | TAE00001V2 |

Approvals for hazardous areas







| 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 (II2G Ex eb IIC Gb, IM2 Ex eb IMb) |
| CCC CNEX | GB/T 3836.3 | 2020312313000238 (Ex eb IIC Gb, Ex eb I Mb) |
| EAC Brjansker Zertifizierungs- stelle | TP TC 012/2011 | RU C-DE.AM02. B.00127/19 (Ex e IIC Gb U) |
| IECEx Physikalisch Technische Bundesanstalt | IEC 60079 | IECEx PTB 03.0004U (Ex eb IIC Gb or Ex eb I Mb) |

https://www.wago.com/2002-1403



Approvals for hazardous areas

INMETRO IEC 60079

TÜV Rheinland do Brasil Ltda. TÜV 12.1307 U

Downloads Environmental Product Compliance Compliance Search Environmental Product Compliance 2002-1403



| CAD/CAE-Data | |
|---------------------------|-----------------------------|
| CAD data | CAE data |
| 2D/3D Models 2002-1403 | EPLAN Data Portal 2002-1403 |
| | WSCAD Universe 2002-1403 |
| | ZUKEN Portal 2002-1403 |



1.2 Optional Accessories

https://www.wago.com/2002-1403



1.2.1 DIN-rail

1.2.1.1 Mounting accessories



Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored



Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored



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



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

Item No.: 210-198

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



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.: 210-504

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; 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

Item No.: 210-505

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; 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



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 Cover



Item No.: 709-156

Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent

https://www.wago.com/2002-1403



1.2.3.2 Cover carrier



Item No.: 709-169

Cover carrier; Type 3; gray

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

gray





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





Continuous jumper; from 1 to 3; insulated; light gray



Item No.: 2002-423/000-005

Continuous jumper; from 1 to 3; insulated; red



Continuous jumper; 2-way; insulated; light

Item No.: 2002-424/000-006

Continuous jumper; from 1 to 4; insulated; blue



Continuous jumper; from 1 to 4; insulated; light gray

Item No.: 2002-424/000-005

Continuous jumper; from 1 to 4; insulated; red



Item No.: 2002-406/020-000 Delta jumper; insulated; light gray



Item No.: 2002-410/000-006

Jumper; 10-way; insulated; blue

WINTER

Item No.: 2002-410

Item No.: 2002-410/000-005





Jumper; 10-way; insulated; light gray

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



Jumper; 4-way; insulated; red



Item No.: 2002-405/000-006

Jumper; 5-way; insulated; blue

Item No.: 2002-405

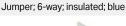
Jumper; 5-way; insulated; light gray



Item No.: 2002-405/000-005

Jumper; 5-way; insulated; red





Item No.: 2002-406 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.: 2002-408/000-006 Item No.: 2002-408





Item No.: 2002-407/000-005

Jumper; 7-way; insulated; red Jumper; 8-way; insulated; blue 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

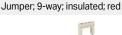
Item No.: 2002-440

Jumper; from 1 to 10; insulated; light gray



Item No.: 2002-433

Jumper; from 1 to 3; insulated; light gray



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

Item No.: 2002-436

Jumper; from 1 to 6; insulated; light gray



Item No.: 2002-434

Jumper; from 1 to 4; insulated; light gray

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1.2.5.1 Jumper



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





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



Staggered jumper; 2-way; insulated; light



Item No.: 2002-473

Staggered jumper; 3-way; insulated; light gray



Staggered jumper; 3-way; insulated; light gray



Staggered jumper; 4-way; insulated; light gray



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 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.: 2006-499

Step-down jumper; from 2006/2004 to 2004/2002/2001 series; from 2206/2204 to 2204/2202/2201 series; insulated; light gray

Item No.: 2016-499 Step-down jumper; from 2016/2010 to 2010/2006/2004/2002 series; from 2216/2210 to 2210/2206/2204/2202 series; 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.: 2009-193 Group marker carrier; gray



Group marker carrier; gray

Item No.: 2009-192

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



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

Item No.: 248-501/000-012

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue

Mini-WSB marking card; as card; not stret-

chable; plain; snap-on type; orange



Mini-WSB marking card; as card; not

stretchable; plain; snap-on type; gray

Item No.: 248-501/000-005

Item No.: 248-501/000-007

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

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green



Item No.: 248-501/000-024

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet

Item No.: 248-501/000-017 Mini-WSB marking card; as card; not stret-

chable; plain; snap-on type; light green



Item No.: 248-501

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

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1.2.6.2 Marker









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

Miller

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.: 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.: 2002-161 Adaptor; gray Item No.: 2009-198
Adaptor; gray

1.2.6.4 Marking strip



Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.2.7 Plug

1.2.7.1 Diode plug



Item No.: 2002-880/1000-411

Component plug; 2-pole; with diode 1N4007; 10.4 mm wide; Operating temperature 85°C max.; gray https://www.wago.com/2002-1403



1.2.7.2 Empty component plug housing

Item No.: 2002-880

Empty component plug housing; 10.4 mm wide; 2-pole; Type 4; gray

1.2.7.3 LED plug

Item No.: 2002-880/1000-541

Component plug; 2-pole; LED (red); 10.4 mm wide; Operating temperature 85°C max.; gray

Item No.: 2002-880/1000-836

Component plug; 2-pole; LED (red); 10.4 mm wide; Operating temperature 85°C max.; gray

Item No.: 2002-880/1000-542

Component plug; 2-pole; LED (red); 10.4 mm wide; Operating temperature 85°C max.; multicoloured

1.2.8 Protective warning marker

1.2.8.1 Cover



Item No.: 2002-115

Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

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.: 2002-560

Modular TOPJOB®S connector; modular; for jumper contact slot; 10-pole; 2,50 mm²; gray

Item No.: 2002-511

Modular TOPJOB®S connector; modular; for jumper contact slot; 1-pole; 2,50 mm²; gray

Item No.: 2002-552

Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; 2,50 mm²; gray

Item No.: 2002-553

Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; 2,50 mm²; gray

Item No.: 2002-554

Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 2,50 mm²; gray

Item No.: 2002-555

Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; 2,50 mm²; gray

Item No.: 2002-556

Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole; 2,50 mm²; gray

Item No.: 2002-557

Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole; 2,50 mm²; gray

Item No.: 2002-558

Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole; 2,50 mm²; gray

Item No.: 2002-559

Modular TOPJOB®S connector; modular; for jumper contact slot; 9-pole; 2,50 mm²; gray

Item No.: 2002-549

Spacer module; modular; e.g., for bridging commoned terminal blocks; gray

Item No.: 2009-174

Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray

https://www.wago.com/2002-1403



1.2.10.1 Testing accessories



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

1.2.11 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

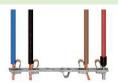


Item No.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

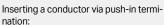
Installation Notes

Conductor termination







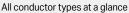


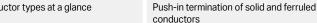
Solid conductors with cross-sections from either one size above, or up to two sizes below, the rated cross-section can be simply pushed in – no tools needed.

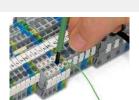


Inserting a conductor via operating tool: Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool. Advantage:

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



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



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.

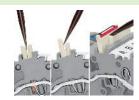
WAGO

Commoning



Orient the staggered jumpers' red stripes on the inside.

Insert the staggered jumper and push down until it hits the backstop.



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

Commoning



Continuous jumpers (2002 Series) readily connect an endless number of terminal blocks to each other via single jumper slot. Use the second jumper slot for additional commoning or testing.



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.



This star point jumper has been specially developed to create a "star point" and is used on motor terminal boards equipped with Rail-Mount Terminal Blocks TOP-IOR® S



This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with rail-mount terminal blocks TOPJOB® S.



Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.

Commoning



Step-down jumpers common terminal blocks of different sizes, without losing a conductor clamping point. This can be beneficial on long conductor runs where voltage drop can be a problem. A large conductor can be easily connected to smaller conductors at the distribution point.

Commoning may be made in either direction using the special thin end plate to cover the open side. Additional through terminal blocks having a smaller cross-section may be commoned using push-in type jumper bars.



Using step-down jumpers, an end plate must be inserted between the terminal blocks to be commoned.



Step-down jumper (2006-499) commons 6/4 mm² (10/12 AWG) terminal blocks (2006/2004 Series) with 4/2.5/1.5 mm² (AWG 12/14/16) terminal blocks (2004/2002/2001 Series).



Step-down jumper (2016-499) commons 16/10 mm² (16/8 AWG) terminal blocks (2016/2010 Series) with 10/6/4/2.5 mm² (8/10/12/14 AWG) terminal blocks (2010/2006/2004/2002 Series).



Testing



The modular TOPJOB® S connectors also connect conductors of the same size as the terminal blocks being used.



TOPJOB® S Connectors with a 2 mm \emptyset test socket for testing voltage via 2-pole voltage tester



Rail-mount terminal block assembly for electric motor wiring



L-type test plug module – cross-sectional view of contacts



Test plug adapter (2009-174, CAT I) for 4 mm Ø plugs – compatible with 2000 to 2016 Series



Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016

Marking



Snapping WMB Inline markers into marker





TOPJOB® S 2009-193 Group Marker Carrier (equipped with a marking strip) for all 2001 to 2016 Series TOPJOB® S Rail-Mount Terminal Blocks
Do not use on an end plate!



Using marker carriers for marking strips (2002-161) in jumper slots.

Ex application





Through terminal blocks with a blue insulated housing are suitable for Exiapplications.



All through and ground conductor terminal blocks are suitable for Ex e II applications



Separator plate for Ex e/Ex i applications An end plate must be applied to the terminal block located directly behind an Ex e/ Ex i separator plate.

https://www.wago.com/2002-1403



 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$