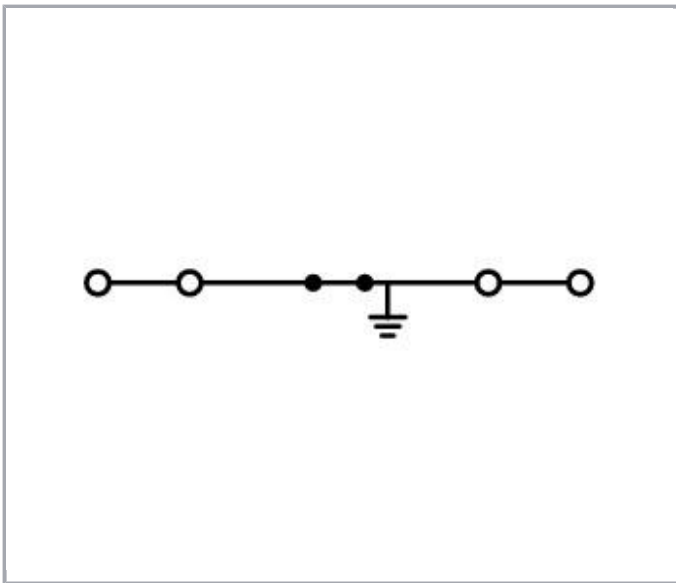
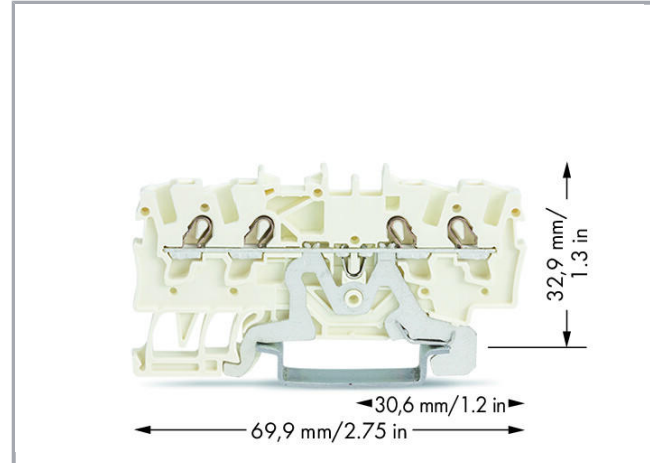
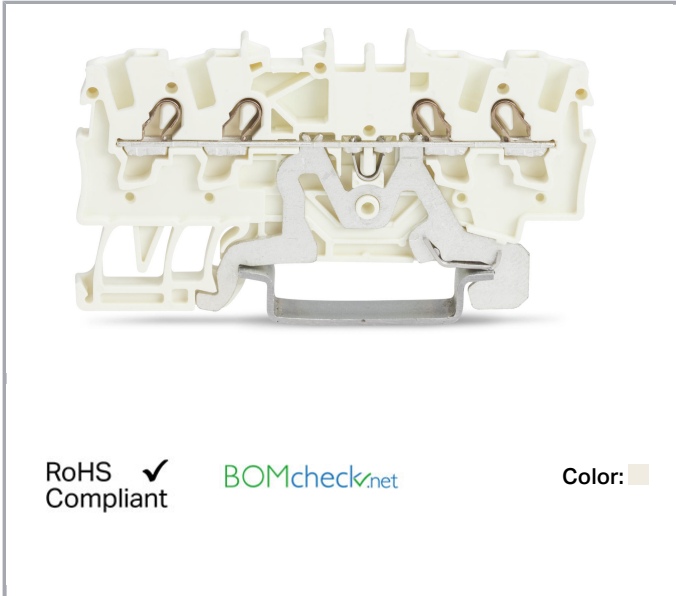


Data sheet | Item number: 2001-1408

4-conductor shield terminal block; 1.5 mm²; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 1,50 mm²; white



www.wago.com/2001-1408



Data

Electrical data

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

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Ratings per IEC/EN 60664-1

| | |
|-------------|------------------|
| Ratings per | IEC/EN 60947-7-2 |
|-------------|------------------|

Connection data

| | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Push-in Open Tool Slot |
| Connectable conductor materials | Copper |
| Nominal cross section | 1,5 mm ² |
| Solid conductor | 0,25 ... 2,5 mm ² / 22 ... 14 AWG |
| Solid conductor, push-in termination | 0,75 ... 2,5 mm ² / 18 ... 14 AWG |
| Fine-stranded conductor | 0,25 ... 2,5 mm ² / 22 ... 14 AWG |
| Fine-stranded conductor with ferrule with plastic collar | 0,75 ... 1,5 mm ² / 18 ... 16 AWG |
| Fine-stranded conductor with ferrule, push-in termination, from | 0,75 ... 1,5 mm ² / 18 ... 16 AWG |
| Strip length | 9 ... 11 mm / 0.35 ... 0.43 inch |
| Total number of connection points | 4 |
| Total number of potentials | 1 |
| Number of levels | 1 |
| Type of wiring | Front-entry wiring |
| Note (conductor cross-section) | Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. |
| Number of jumper slots | 2 |

Geometrical Data

| | |
|---------------------------------------|----------------------|
| Width | 4,2 mm / 0.165 inch |
| Height from upper-edge of DIN-35 rail | 32,9 mm / 1.295 inch |
| Depth | 69,9 mm / 2.752 inch |

Mechanical data

| | |
|------------------|---------------------|
| Design | horizontal type |
| Type of mounting | DIN-35 rail |
| Marking level | Center/side marking |

Material Data

| | |
|-------|-------|
| Color | white |
|-------|-------|

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

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| | |
|---------------------|----------------------|
| Insulating material | Polyamide 66 (PA 66) |
| Fire load | 0.102 MJ |
| Weight | 8.3 g |

Commercial data



| | |
|--------------------|---------------|
| Product Group | 22 (TOPJOB S) |
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4045454719487 |
| Customs Tariff No. | 85369010000 |

Approvals / Certificates

Country specific Approvals


| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | CCA DEKRA Certification B.V. | EN 60947 | 2160584.07 |
|  | CCA DEKRA Certification B.V. | EN 60947 | NTR NL-7084 |
|  | CSA DEKRA Certification B.V. | C22.2 No. 158 | 1645434 |

Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---|--------------------------|------------------|
|  | ABS American Bureau of Shipping | EN 60947 | 20-HG1941090-PDA |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001V2 |

UL-Approvals





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

| Logo | Approval | Additional Approval Text | Certificate name |
|--|-------------------------------------|--------------------------|------------------|
|  | UL UL International Germany GmbH | UL 1059 | 20190731-E45172 |

Counterpart

Compatible products













Marking accessories

| | | |
|--|--|--|
| | Item no.: 2009-110 Marking strips; on reel; not stretchable; plain; snap-on type; white | www.wago.com/2009-110 |
| | Item no.: 2009-114 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; white | www.wago.com/2009-114 |
|  | Item no.: 2009-114/000-002 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; yellow | www.wago.com/2009-114/000-002 |
|  | Item no.: 2009-114/000-005 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; red | www.wago.com/2009-114/000-005 |
| | Item no.: 2009-114/000-006 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; blue | www.wago.com/2009-114/000-006 |
|  | Item no.: 2009-114/000-007 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; gray | www.wago.com/2009-114/000-007 |
|  | Item no.: 2009-114/000-012 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; orange | www.wago.com/2009-114/000-012 |

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

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| | | |
|--|---|--|
|  | <p>Item no.: 2009-114/000-023 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; green</p> | www.wago.com/2009-114/000-023 |
|  | <p>Item no.: 2009-114/000-024 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; violet</p> | www.wago.com/2009-114/000-024 |
|  | <p>Item no.: 793-4501 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; white</p> | www.wago.com/793-4501 |
| | <p>Item no.: 793-4501/000-002 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; yellow</p> | www.wago.com/793-4501/000-002 |
| | <p>Item no.: 793-4501/000-005 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; red</p> | www.wago.com/793-4501/000-005 |
|  | <p>Item no.: 793-4501/000-006 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; blue</p> | www.wago.com/793-4501/000-006 |
|  | <p>Item no.: 793-4501/000-007 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; gray</p> | www.wago.com/793-4501/000-007 |
|  | <p>Item no.: 793-4501/000-012 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; orange</p> | www.wago.com/793-4501/000-012 |
|  | <p>Item no.: 793-4501/000-017 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; green</p> | www.wago.com/793-4501/000-017 |
|  | <p>Item no.: 793-4501/000-023 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; light green</p> | www.wago.com/793-4501/000-023 |
|  | <p>Item no.: 793-4501/000-024 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; violet</p> | www.wago.com/793-4501/000-024 |
|  | <p>Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white</p> | www.wago.com/793-501 |
|  | <p>Item no.: 793-501/000-002 WMB marking card; as card; not stretchable; plain; snap-on type; yellow</p> | www.wago.com/793-501/000-002 |
|  | <p>Item no.: 793-501/000-005 WMB marking card; as card; not stretchable; plain; snap-on type; red</p> | www.wago.com/793-501/000-005 |

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



Item no.: 793-501/000-006
WMB marking card; as card; not stretchable; plain; snap-on type; blue

www.wago.com/793-501/000-006



Item no.: 793-501/000-007
WMB marking card; as card; not stretchable; plain; snap-on type; gray

www.wago.com/793-501/000-007



Item no.: 793-501/000-012
WMB marking card; as card; not stretchable; plain; snap-on type; orange

www.wago.com/793-501/000-012



Item no.: 793-501/000-017
WMB marking card; as card; not stretchable; plain; snap-on type; light green

www.wago.com/793-501/000-017



Item no.: 793-501/000-023
WMB marking card; as card; not stretchable; plain; snap-on type; green

www.wago.com/793-501/000-023



Item no.: 793-501/000-024
WMB marking card; as card; not stretchable; plain; snap-on type; violet

www.wago.com/793-501/000-024

Push-In type wire jumper



Item no.: 2009-412
Push-in type wire jumper; insulated; wire length 60 mm; Conductor cross section 1.5 mm²; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks; black

www.wago.com/2009-412



Item no.: 2009-414
Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 1.5 mm²; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks; black

www.wago.com/2009-414



Item no.: 2009-416
Push-in type wire jumper; insulated; wire length 250 mm; Conductor cross section 1.5 mm²; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks; black

www.wago.com/2009-416

Protective Warning Marker



Item no.: 2001-115
Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow

www.wago.com/2001-115

tools



Item no.: 210-647
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-647

Item no.: 210-648
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short

www.wago.com/210-648



Item no.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-719










End plate


















Item no.: 2002-1491
End and intermediate plate; 0.8 mm thick; gray

www.wago.com/2002-1491
















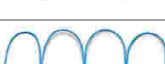
Subject to changes. Please also observe the further product documentation!

| | | |
|--|--|--|
|  | Item no.: 2002-1492 End and intermediate plate; 0.8 mm thick; orange | www.wago.com/2002-1492 |
|  | Item no.: 2002-1493 Separator plate; 2 mm thick; oversized; gray | www.wago.com/2002-1493 |
|  | Item no.: 2002-1494 Separator plate; 2 mm thick; oversized; orange | www.wago.com/2002-1494 |
| ferrule | | |
|  | Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white | www.wago.com/216-241 |
|  | Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | www.wago.com/216-242 |
| | Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red | www.wago.com/216-243 |
| | Item no.: 216-244 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | www.wago.com/216-244 |
| Carrier rail | | |
| | 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 | www.wago.com/210-112 |
| | Item no.: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715 | www.wago.com/210-113 |
| | Item no.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715 | www.wago.com/210-114 |
|  | 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 | www.wago.com/210-115 |
|  | Item no.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715 | www.wago.com/210-118 |
| | 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 | www.wago.com/210-196 |
|  | Item no.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715 | www.wago.com/210-197 |
| | 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 | www.wago.com/210-198 |
| Test Accessories | | |
|  | Item no.: 2001-511 Modular TOPJOB®S connector; modular; for jumper contact slot; 1-pole; 1,50 mm ² ; gray | www.wago.com/2001-511 |

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

| | | |
|--|---|--|
|  | Item no.: 2001-549 Spacer module; modular; e.g., for bridging commoned terminal blocks; gray | www.wago.com/2001-549 |
|  | Item no.: 2001-552 Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; 1,50 mm ² ; gray | www.wago.com/2001-552 |
|  | Item no.: 2001-553 Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; 1,50 mm ² ; gray | www.wago.com/2001-553 |
|  | Item no.: 2001-554 Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 1,50 mm ² ; gray | www.wago.com/2001-554 |
|  | Item no.: 2001-555 Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; 1,50 mm ² ; gray | www.wago.com/2001-555 |
|  | Item no.: 2001-556 Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole; 1,50 mm ² ; gray | www.wago.com/2001-556 |
|  | Item no.: 2001-557 Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole; 1,50 mm ² ; gray | www.wago.com/2001-557 |
|  | Item no.: 2001-558 Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole; 1,50 mm ² ; gray | www.wago.com/2001-558 |
|  | Item no.: 2001-559 Modular TOPJOB®S connector; modular; for jumper contact slot; 9-pole; 1,50 mm ² ; gray | www.wago.com/2001-559 |
|  | Item no.: 2001-560 Modular TOPJOB®S connector; modular; for jumper contact slot; 10-pole; 1,50 mm ² ; gray | www.wago.com/2001-560 |
| | Item no.: 2009-174 Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray | www.wago.com/2009-174 |
| | Item no.: 2009-182 Testing tap; for max. 2.5 mm ² ; tool-free connection for individual test wires 0.08 - 2.5 mm; gray | www.wago.com/2009-182 |
| Insulation stop | | |
|  | Item no.: 2001-171 Insulation stop; 0.25 - 0.5 mm ² ; 5 pieces/strip; light gray | www.wago.com/2001-171 |
| Jumper | | |
|  | Item no.: 2001-402 Push-in type jumper bar; insulated; 2-way; Nominal current 18 A; light gray | www.wago.com/2001-402 |
|  | Item no.: 2001-403 Push-in type jumper bar; insulated; 3-way; Nominal current 18 A; light gray | www.wago.com/2001-403 |
|  | Item no.: 2001-404 Push-in type jumper bar; insulated; 4-way; Nominal current 18 A; light gray | www.wago.com/2001-404 |
|  | Item no.: 2001-405 Push-in type jumper bar; insulated; 5-way; Nominal current 18 A; light gray | www.wago.com/2001-405 |

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

| | | |
|--|--|--|
|  | Item no.: 2001-405/011-000 Star point jumper; insulated; 3-way (1-3-5); IN = IN terminal block; light gray | www.wago.com/2001-405/011-000 |
|  | Item no.: 2001-406 Push-in type jumper bar; insulated; 6-way; Nominal current 18 A; light gray | www.wago.com/2001-406 |
|  | Item no.: 2001-406/020-000 Delta jumper; insulated; 1-2 3-4 5-6; IN = IN terminal block; light gray | www.wago.com/2001-406/020-000 |
|  | Item no.: 2001-407 Push-in type jumper bar; insulated; 7-way; Nominal current 18 A; light gray | www.wago.com/2001-407 |
|  | Item no.: 2001-408 Push-in type jumper bar; insulated; 8-way; Nominal current 18 A; light gray | www.wago.com/2001-408 |
| | Item no.: 2001-409 Push-in type jumper bar; insulated; 9-way; Nominal current 18 A; light gray | www.wago.com/2001-409 |
|  | Item no.: 2001-410 Push-in type jumper bar; insulated; 10-way; Nominal current 18 A; light gray | www.wago.com/2001-410 |
|  | Item no.: 2001-433 Push-in type jumper bar; insulated; from 1 to 3; Nominal current 18 A; light gray | www.wago.com/2001-433 |
|  | Item no.: 2001-434 Push-in type jumper bar; insulated; from 1 to 4; Nominal current 18 A; light gray | www.wago.com/2001-434 |
|  | Item no.: 2001-435 Push-in type jumper bar; insulated; from 1 to 5; Nominal current 18 A; light gray | www.wago.com/2001-435 |
|  | Item no.: 2001-436 Push-in type jumper bar; insulated; from 1 to 6; Nominal current 18 A; light gray | www.wago.com/2001-436 |
|  | Item no.: 2001-437 Push-in type jumper bar; insulated; from 1 to 7; Nominal current 18 A; light gray | www.wago.com/2001-437 |
|  | Item no.: 2001-438 Push-in type jumper bar; insulated; from 1 to 8; Nominal current 18 A; light gray | www.wago.com/2001-438 |
|  | Item no.: 2001-439 Push-in type jumper bar; insulated; from 1 to 9; Nominal current 18 A; light gray | www.wago.com/2001-439 |
|  | Item no.: 2001-440 Push-in type jumper bar; insulated; from 1 to 10; Nominal current 18 A; light gray | www.wago.com/2001-440 |
|  | Item no.: 210-103 Wire commoning chain; insulated; 50 connections; black | www.wago.com/210-103 |
|  | Item no.: 210-123 Wire commoning chain; insulated; 50 connections | www.wago.com/210-123 |

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

Downloads Documentation

Additional Information

| | | | |
|------------------------|-------------|---------------|----------|
| Technical explanations | Apr 3, 2019 | pdf 2.1 MB | Download |
|------------------------|-------------|---------------|----------|

CAD/CAE-Data

CAD data

| | | |
|------------------------|-----|----------|
| 2D/3D Models 2001-1408 | URL | Download |
|------------------------|-----|----------|

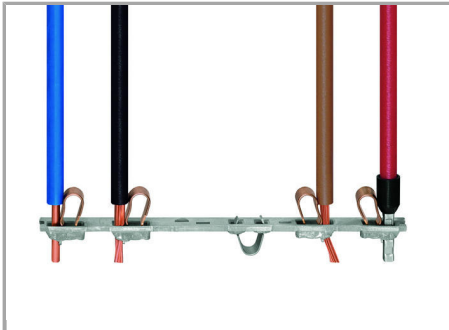
CAE data

| | | |
|-----------------------------|-----|----------|
| EPLAN Data Portal 2001-1408 | URL | Download |
|-----------------------------|-----|----------|

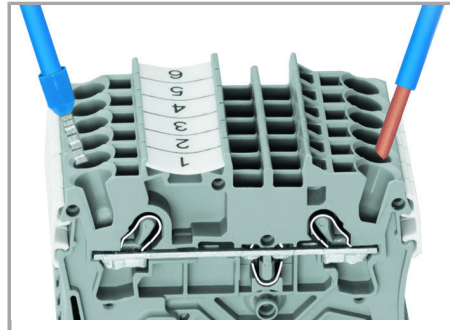
| | | |
|--------------------------|-----|----------|
| WSCAD Universe 2001-1408 | URL | Download |
|--------------------------|-----|----------|

Installation Notes

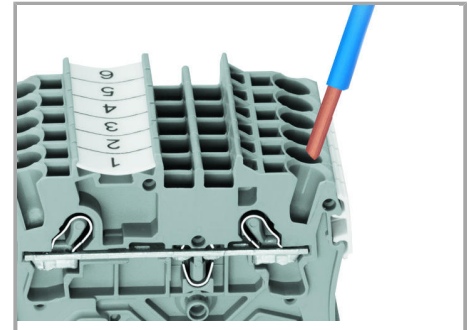
Inserting a conductor



All conductor types at a glance



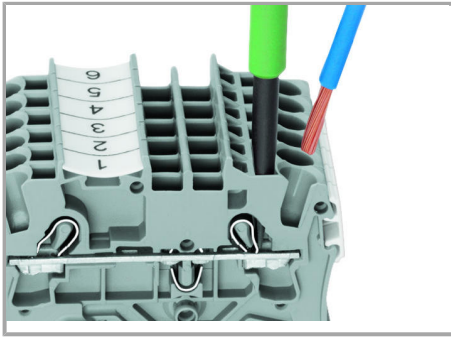
Terminating solid and ferruled conductors via push-in connection.



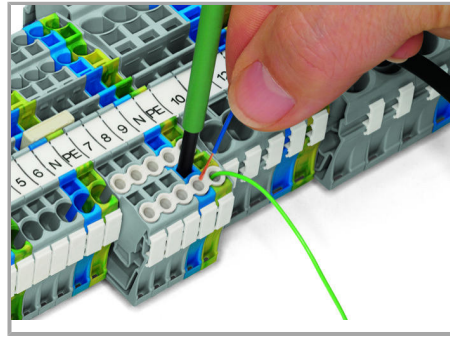
Inserting conductors via push-in termination.

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.

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



Inserting a conductor via operating tool.



Conductor termination – Insulation stop.

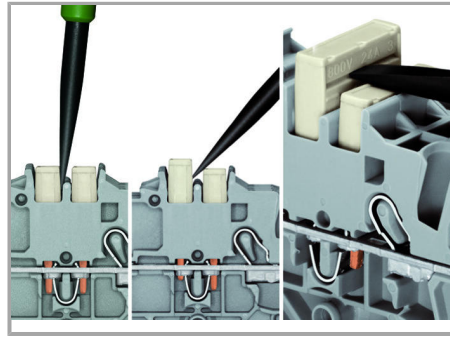
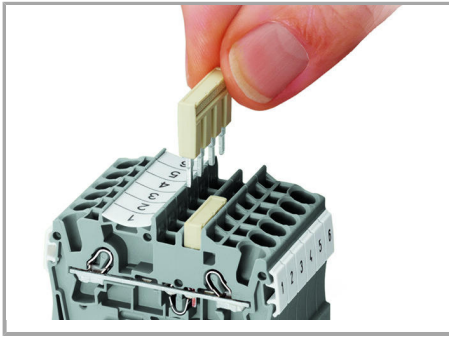
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.

The smart feature:

To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees for easier wiring.

Commoning

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



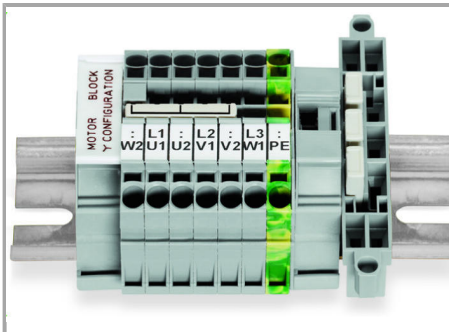
The push-in type jumper bar system is based on the common plug and socket principle. Each terminal block is spring-loaded with a double socket and a resilient CrNi steel spring. The jumper contact material is pure electrolytic copper, which allows for an extremely small design capable of carrying the full-rated current of the terminal block. Ground terminal blocks can also be commoned using the same jumper system. Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).

Removing a push-in type jumper bar.

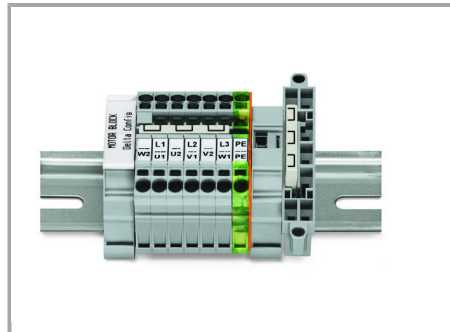
Insert the operating tool between the jumper and the partition wall of the dual jumper slots, then lift up the jumper.

Place the operating tool in the center of jumpers up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.

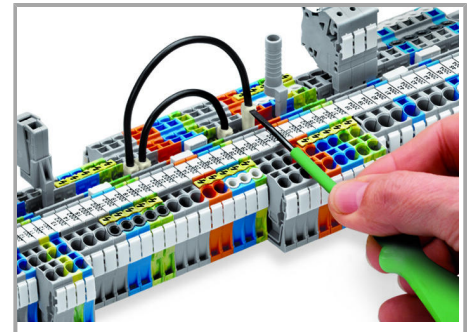
Commoning



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



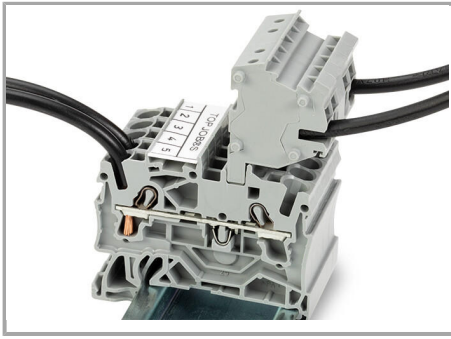
This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with TOPJOB® S rail-mount terminal blocks.



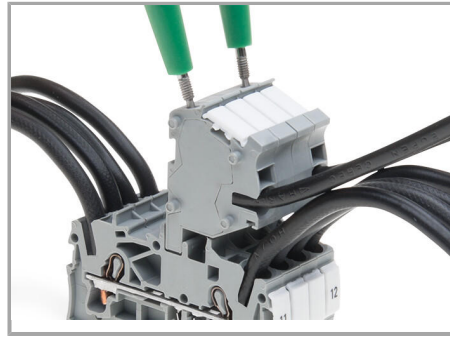
Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.

Testing

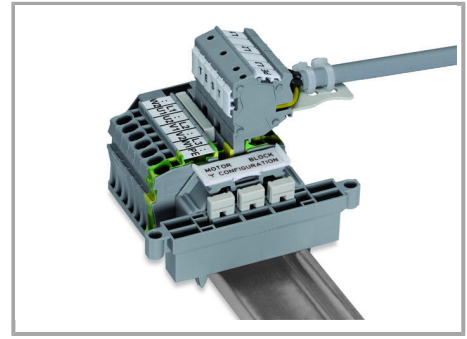
Subject to changes. Please also observe the further product documentation!



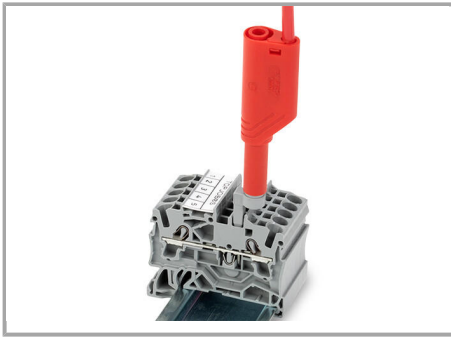
The modular TOPJOB® S connectors also connect conductors of the same size as the terminal blocks being used.



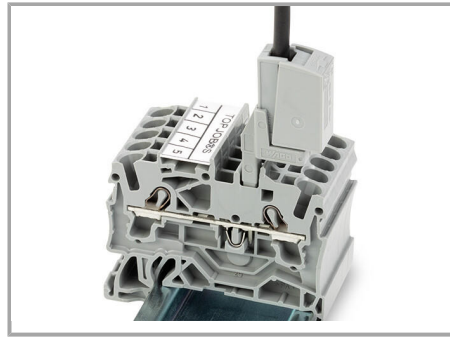
TOPJOB® S Connectors with a 2 mm Ø test socket for testing voltage via 2-pole voltage tester



Rail-mount terminal block assembly for electric motor wiring

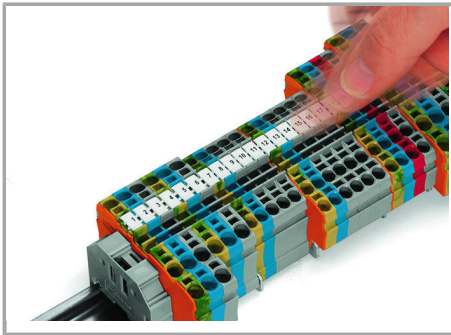


Test plug adapter (2009-174, CAT II) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

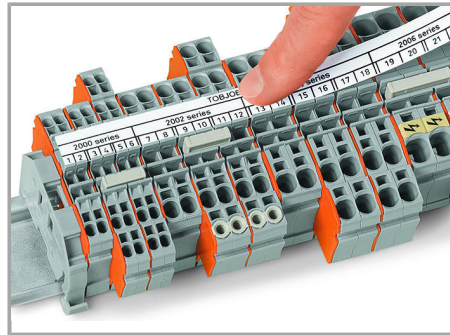


Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

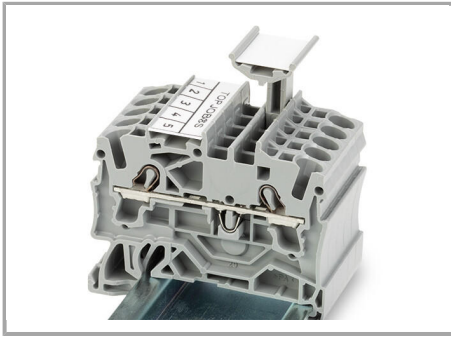
Marking



Snapping WMB Inline markers into marker slots.



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



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!

Product family

TOPJOB® S

TOPJOB® S: In various industrial applications and modern building installations, WAGO's wide and versatile range of rail-mount terminal blocks provides more than just reliable electrical connections.

[Learn more about the product family.](#)

[Show all products from the family](#)

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