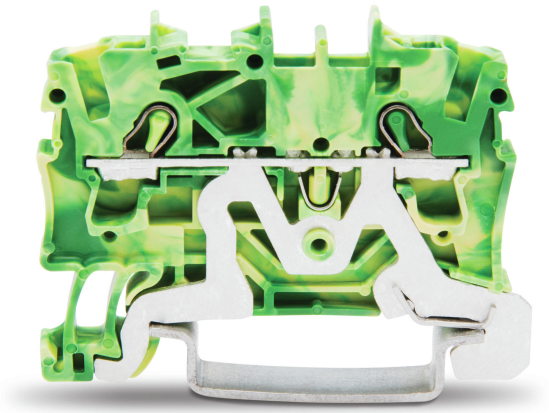
**Data sheet | Item number: 2002-1207**

2-conductor ground 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; green-yellow

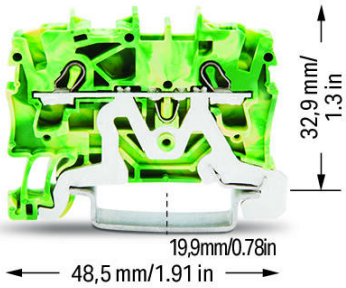
www.wago.com/2002-1207

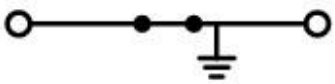


RoHS ✓ Compliant

BOMcheck.net

Color:



## Data

Subject to changes.

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## Connection data

| | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Push-in<br>Open Tool Slot |
| 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 ferrule with plastic collar | 1 … 2.5 mm² / 18 … 12 AWG |
| Fine-stranded conductor with ferrule, push-in termination, from | 1 … 2.5 mm² / 18 … 12 AWG |
| Strip length | 10 … 12 mm / 0.39 … 0.47 inch |
| Total number of connection points | 2 |
| 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 | 5.2 mm / 0.205 inch |
| Height from upper-edge of DIN-35 rail | 32.9 mm / 1.295 inch |
| Depth | 50.8 mm / 2 inch |

## Mechanical data

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

## Material Data

| | |
|---|---|
| Color | green-yellow |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load | 0.087 MJ |
| Weight | 7.7 g |

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## Commercial data

| | |
|---|---|
| Product Group | 22 (TOPJOB S) |
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4017332999212 |
| Customs Tariff No. | 85369010000 |

## Approvals / Certificates

### Ex-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|---|---|---|---|
| | **AEx**<br>Underwriters Laboratories Inc. | UL 60079 | 20190704-E185892 |
| | **ATEx**<br>Physikalisch Technische Bundesanstalt (PTB) | EN 60079 | PTB 03 ATEX 1162 U (II 2 G/D Ex e II bzw. I M 2 Ex e I) |
| | **IECEx**<br>Physikalisch Technische Bundesanstalt | IEC 60079 | IECEx PTB 03.0004U (Ex eb IIC Gb or Ex eb I Mb) |

### Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|---|---|---|---|
| | **CCA**<br>DEKRA Certification B.V. | EN 60947 | NTR NL 7730 |
| | **CSA**<br>DEKRA Certification B.V. | C22.2 No. 158 | 1536069 |
| | **KEMA/KEUR**<br>DEKRA Certification B.V. | EN 60947 | 71-107687 |

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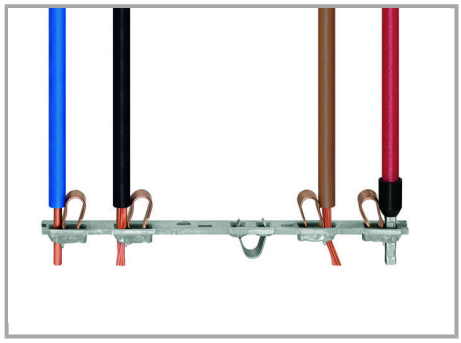
### Ship Approvals

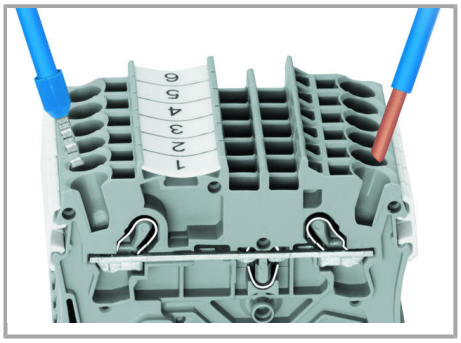
| Logo | Approval | Additional Approval Text | Certificate name |
|---|---|---|---|
| | **ABS**<br>American Bureau of Shipping | EN 60947 | 14-HG1293677-PDA |
| | **BV**<br>Bureau Veritas S.A. | EN 60947 | 38586/A0 BV |
| | **DNV GL**<br>Det Norske Veritas, Germanischer Lloyd | - | TAE00001V2 |
| | **LR**<br>Lloyds Register | EN 60947 | 91/20112 (E9) |

## Installation Notes

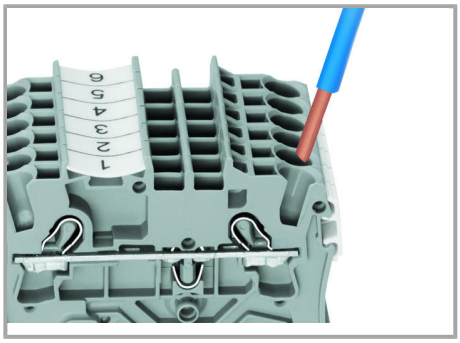
**Inserting a conductor**



**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.

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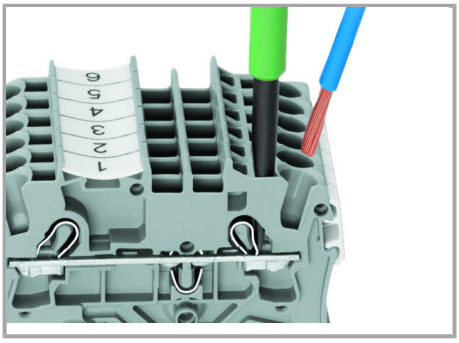
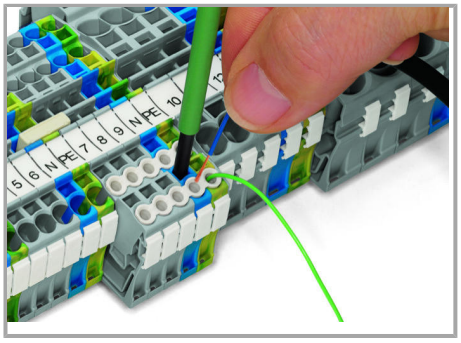


Inserting a conductor via operating tool.



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.

**Jumpered**



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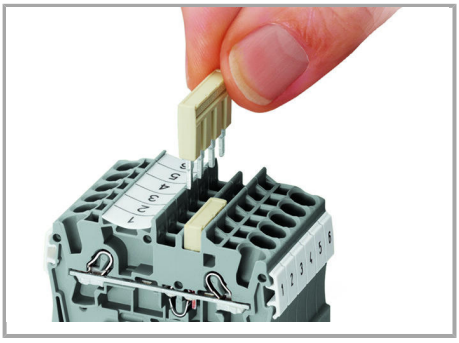
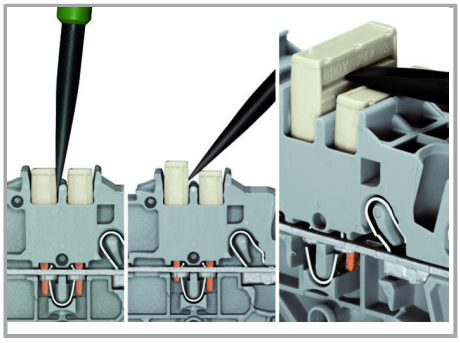




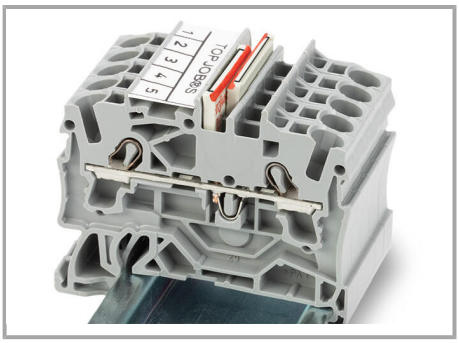
The push-in type jumper bar system is based on the common plug and socket principle. Each terminal block is spring-loaded with a double socket and a resilient CrNi steel spring. The jumper contact material is pure electrolytic copper, which allows for an extremely small design capable of carrying the 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).

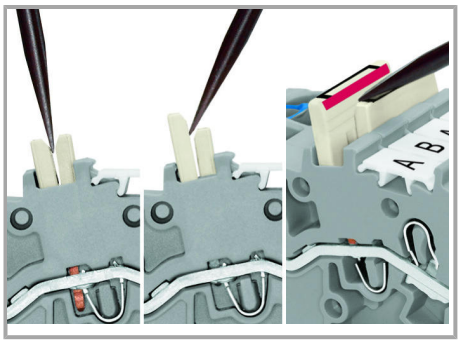
**Removing a push-in type jumper bar.**

Insert the operating tool between the jumper and and 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.

**Jumpered**





Locate red stripes of the staggered jumpers on the inside.

Removing a staggered jumper:

Insert staggered jumper and push down until it hits backstop.

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

**Jumpered**

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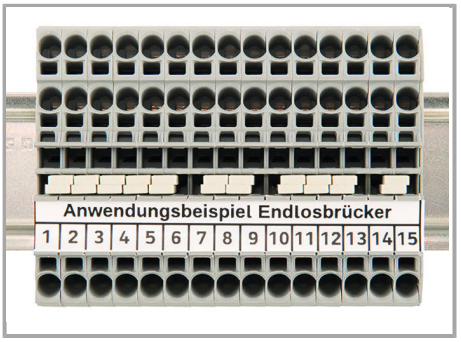
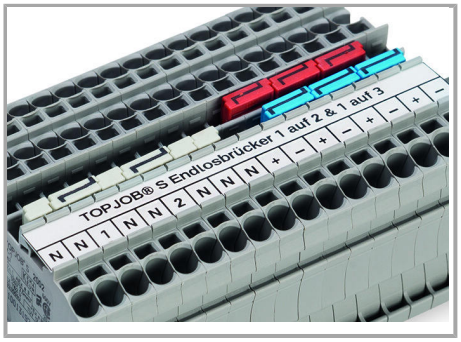
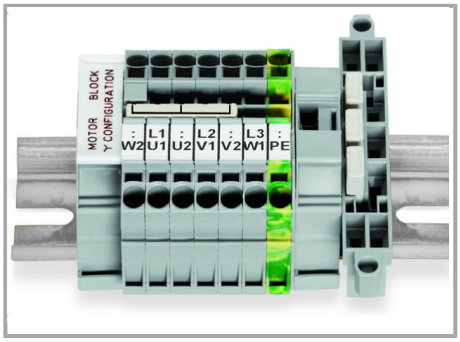


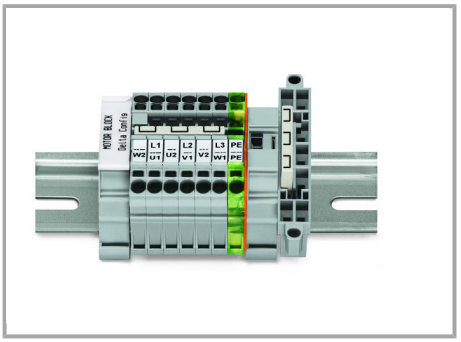

Continuous jumpers (2002 Series) readily connect an endless number of terminal blocks to each other via a single jumper slot. Use the second jumper slot for additional commoning or testing.



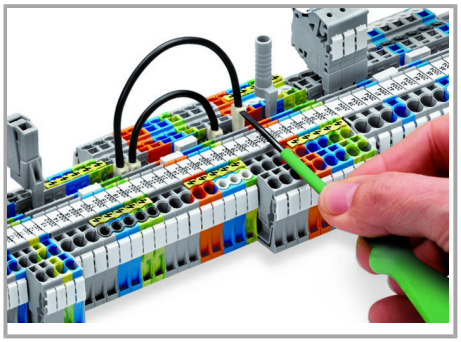

The 1-to-3 adjacent jumper for continuous commoning enables every other terminal block to be commoned. For example, positive and negative potentials can be accommodated alongside each other.




This star point jumper has been specially developed to create a “star point” and is used on motor terminal boards equipped with 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**

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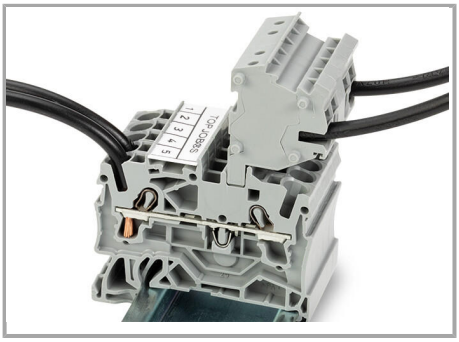
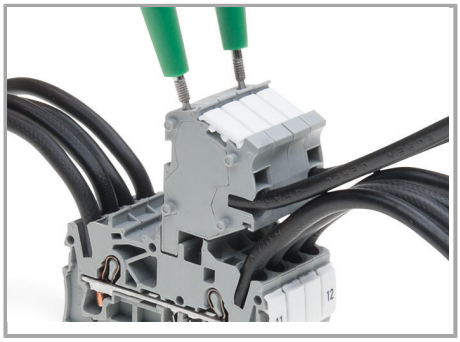
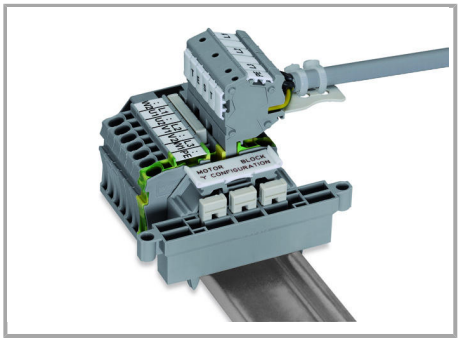


The modular TOPJOB® S connectors also connect conductors of the same size as the terminal blocks being used.



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

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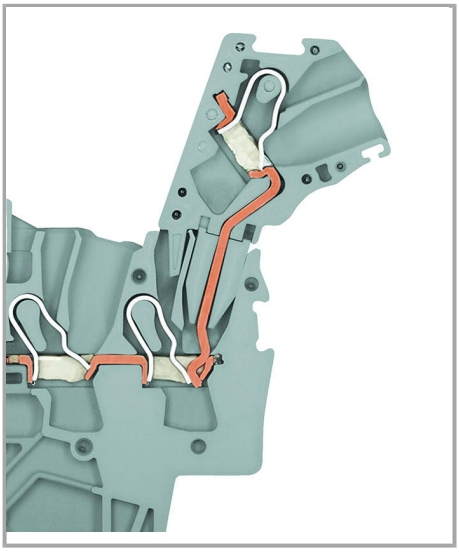
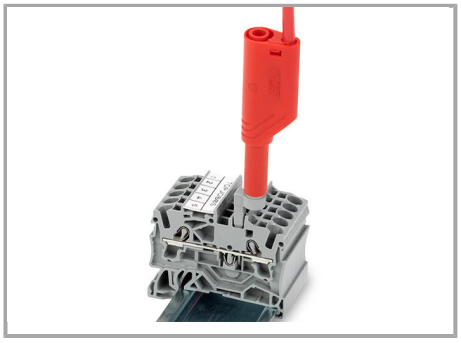
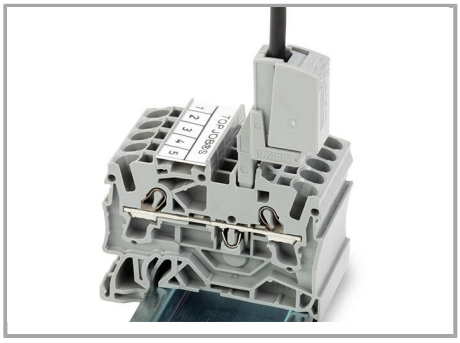


L-type test plug module – cross-sectional view of contacts

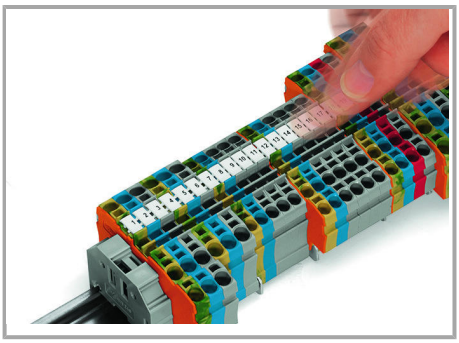


Test plug adapter (2009-174, CAT I) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

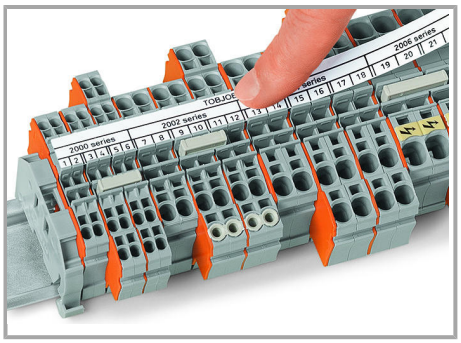


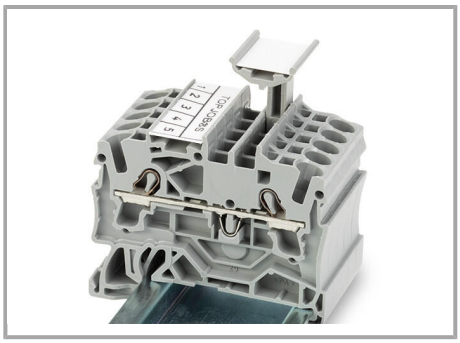
Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

**Marking**



Snapping WMB Inline markers into marker slots.





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!

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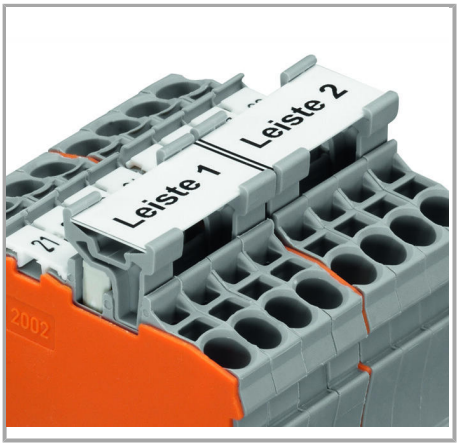


Using marker carriers for marking strips (2002-161) in jumper slots.

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