

## Data sheet | Item number: 2004-1207

2-conductor ground terminal block; 4 mm<sup>2</sup>; 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®; 4,00 mm<sup>2</sup>; green-yellow

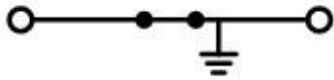
[www.wago.com/2004-1207](http://www.wago.com/2004-1207)



RoHS  
Compliant

BOMcheck.net

Color:



### Data

#### Connection data

Subject to changes.

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|                                                                 |                                                                                                                                   |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Connection technology                                           | Push-in CAGE CLAMP®                                                                                                               |
| Actuation type                                                  | Push-in<br>Open Tool Slot                                                                                                         |
| Connectable conductor materials                                 | Copper                                                                                                                            |
| Nominal cross section                                           | 4 mm²                                                                                                                             |
| Solid conductor                                                 | 0.5 ... 6 mm² / 20 ... 10 AWG                                                                                                     |
| Solid conductor, push-in termination                            | 1.5 ... 6 mm² / 14 ... 10 AWG                                                                                                     |
| Fine-stranded conductor                                         | 0.5 ... 6 mm² / 20 ... 10 AWG                                                                                                     |
| Fine-stranded conductor with ferrule with plastic collar        | 1.5 ... 4 mm² / 18 ... 12 AWG                                                                                                     |
| Fine-stranded conductor with ferrule, push-in termination, from | 1.5 ... 4 mm² / 18 ... 12 AWG                                                                                                     |
| Strip length                                                    | 11 ... 13 mm / 0.43 ... 0.51 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                                 | 6.2 mm / 0.244 inch  |
| Height from upper-edge of DIN-35 rail | 32.9 mm / 1.295 inch |
| Depth                                 | 52.3 mm / 2.059 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           | 0.12 MJ              |
| Weight              | 12.4 g               |

## Commercial data

|               |               |
|---------------|---------------|
| Product Group | 22 (TOPJOB S) |
|---------------|---------------|

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|                    |               |
|--------------------|---------------|
| Packaging type     | BOX           |
| Country of origin  | DE            |
| GTIN               | 4017332071345 |
| Customs Tariff No. | 85369010000   |

## Approvals / Certificates

### Ex-Approvals

| Logo                                                                             | Approval                                                   | Additional Approval Text | Certificate name                                                    |
|----------------------------------------------------------------------------------|------------------------------------------------------------|--------------------------|---------------------------------------------------------------------|
|  | <b>AEx</b><br>Underwriters Laboratories Inc.               | EN 60079                 | E185892                                                             |
|  | <b>ATEx</b><br>Physikalisch Technische Bundesanstalt (PTB) | EN 60079                 | PTB 05<br>ATEX<br>1095 U (II<br>2 G/D Ex<br>eII bzw. I<br>M2 Ex eI) |

### Country specific Approvals

| Logo                                                                               | Approval                               | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|----------------------------------------|--------------------------|------------------|
|  | <b>CCA</b><br>DEKRA Certification B.V. | EN 60947                 | 2160584.10       |
|  | <b>CCA</b><br>DEKRA Certification B.V. | EN 60947                 | NTR NL-<br>7088  |
|  | <b>CSA</b><br>DEKRA Certification B.V. | C22.2 No. 158            | 1645435          |

### Ship Approvals

| Logo                                                                               | Approval                                                | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------|------------------|
|  | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE00001V2       |

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## UL-Approvals

| Logo                                                                             | Approval                            | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|-------------------------------------|--------------------------|------------------|
|  | UL<br>UL International Germany GmbH | UL 1059                  | E45172           |

## Downloads

## Documentation

## Additional Information

|                        |            |               |          |
|------------------------|------------|---------------|----------|
| Technical explanations | 03.04.2019 | pdf<br>2.1 MB | Download |
|------------------------|------------|---------------|----------|

## CAD/CAE-Data

## CAD data

|                        |     |          |
|------------------------|-----|----------|
| 2D/3D Models 2004-1207 | URL | Download |
|------------------------|-----|----------|

## CAE data

|                             |          |
|-----------------------------|----------|
| EPLAN Data Portal 2004-1207 | Download |
|-----------------------------|----------|

|                          |          |
|--------------------------|----------|
| WSCAD Universe 2004-1207 | Download |
|--------------------------|----------|

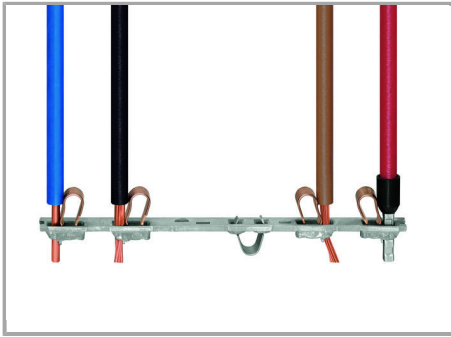
## Installation Notes

## Inserting a conductor

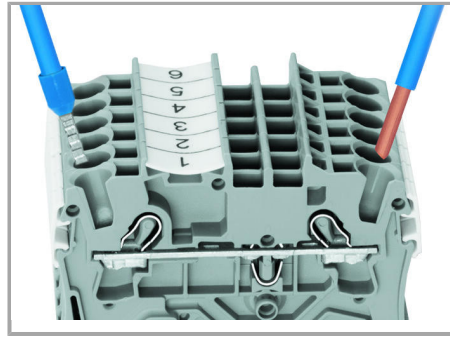
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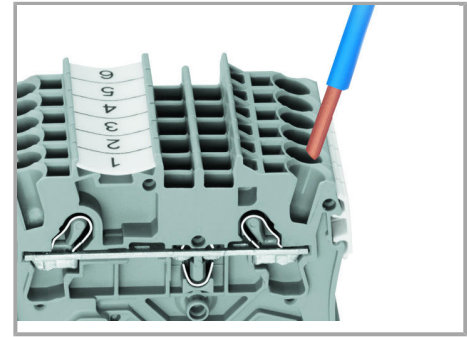
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All conductor types at a glance



Terminating solid and ferruled conductors via push-in connection.



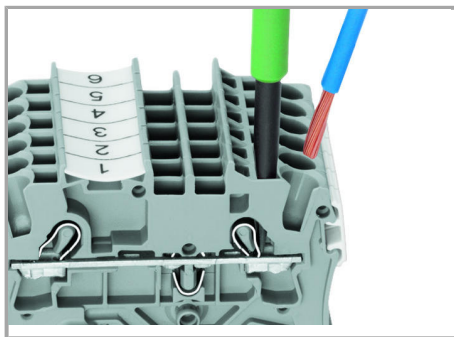
Inserting conductors via push-in termination.

**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.

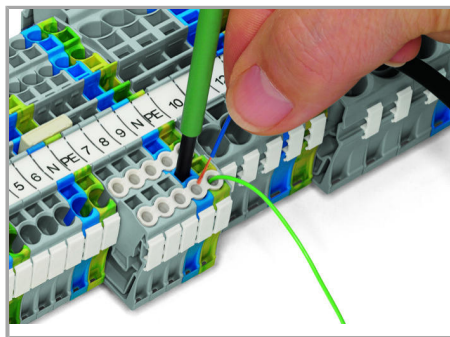
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Inserting a conductor via operating tool.



Conductor termination – Insulation stop.

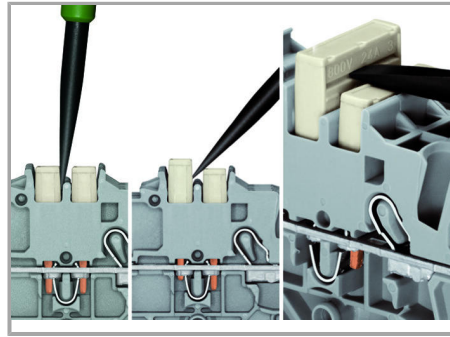
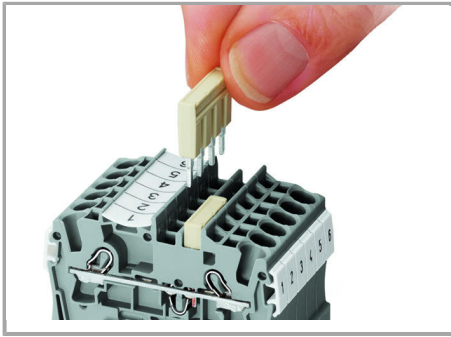
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.

#### 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

Subject to changes.



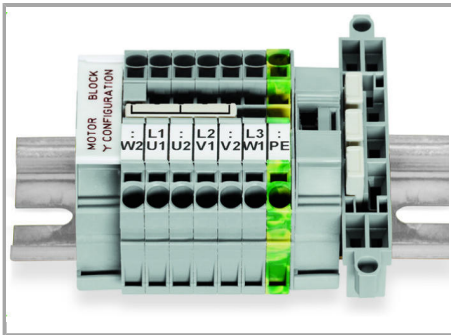
The push-in type jumper bar system is based on the common plug and socket principle. Each terminal block is spring-loaded with a double socket and a resilient CrNi steel spring. The jumper contact material is pure electrolytic copper, which allows for an extremely small design capable of carrying the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

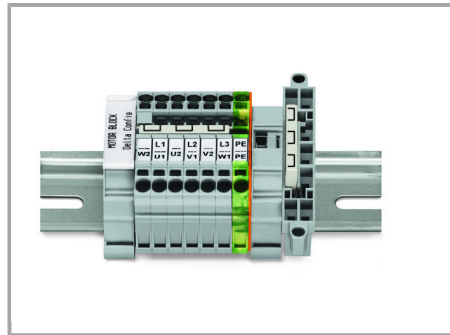
Insert the operating tool between the jumper and the partition wall of the dual jumper slots, then lift up the jumper.

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.

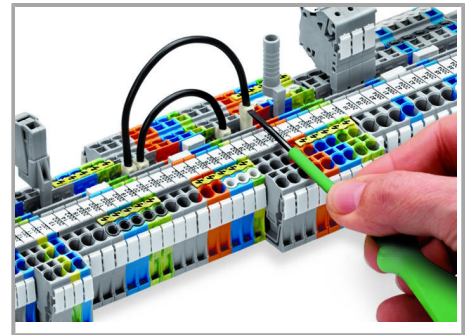
#### Jumpered



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.



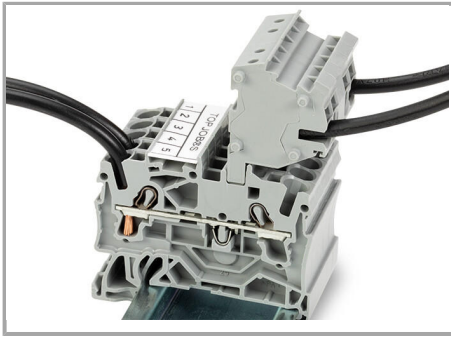
This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with TOPJOB® S rail-mount terminal blocks.



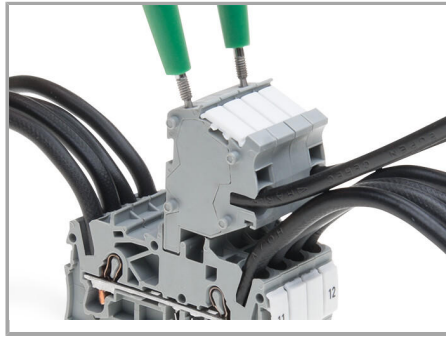
Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.

#### Testing

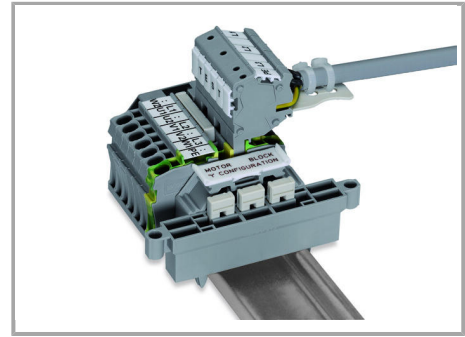
Subject to changes.



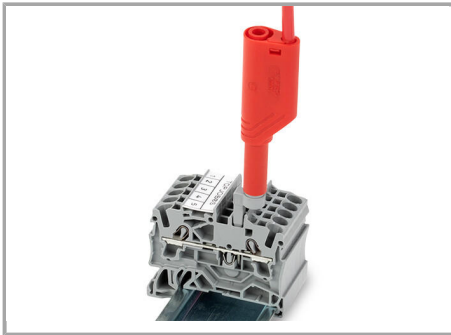
The modular TOPJOB® S connectors also connect conductors of the same size as the terminal blocks being used.



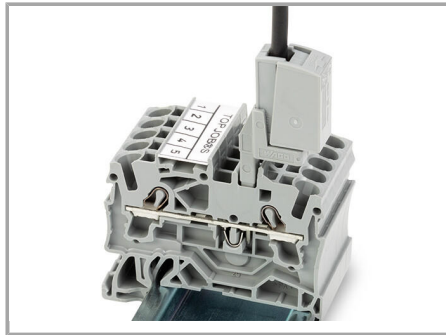
TOPJOB® S Connectors with a 2 mm Ø test socket for testing voltage via 2-pole voltage tester



Rail-mount terminal block assembly for electric motor wiring

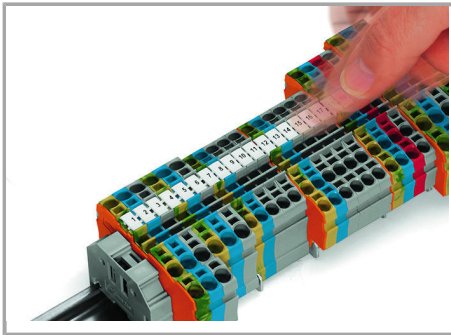


Test plug adapter (2009-174, CAT II) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

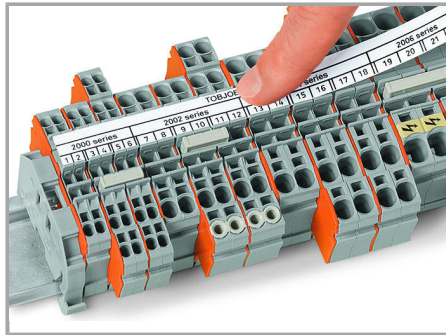


Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm<sup>2</sup> (12 AWG) – compatible with 2000 to 2016 Series

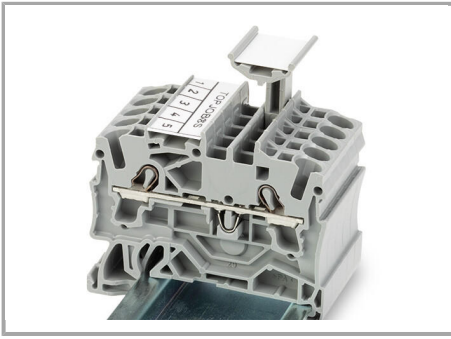
## Marking



Snapping WMB Inline markers into marker slots.



Subject to changes.



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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