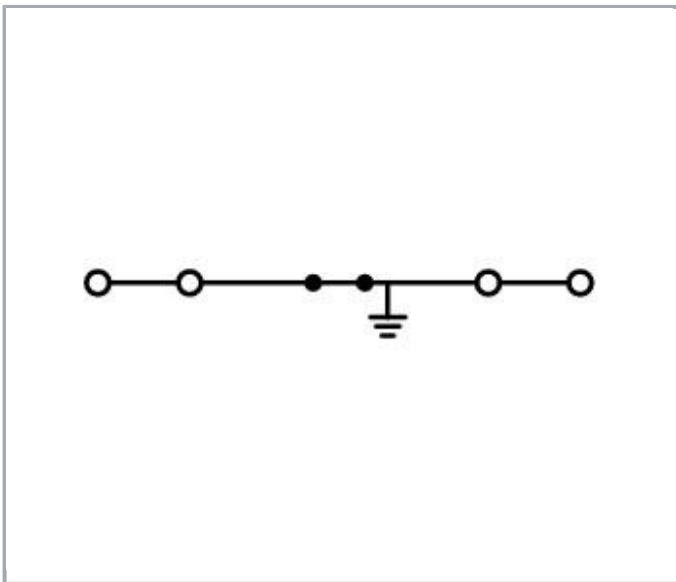
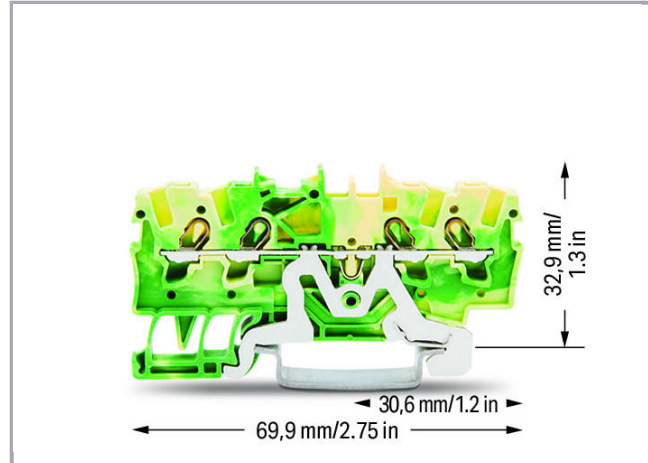


**Data sheet | Item number: 2001-1407**

4-conductor ground terminal block; 1.5 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®; 1,50 mm<sup>2</sup>; green-yellow



[www.wago.com/2001-1407](http://www.wago.com/2001-1407)



**Data**

**Connection data**

Connection technology

Push-in CAGE CLAMP®

Subject to changes.

WAGO Kontakttechnik GmbH & Co. KG  
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32423 Minden  
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Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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



|   |   |
|---|---|
| Actuation type  | Push-in<br>Open Tool Slot   |
| Connectable conductor materials                                 | Copper  |
| Nominal cross section   | 1.5 mm <sup>2</sup>   |
| Solid conductor   | 0.25 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG  |
| Solid conductor, push-in termination                            | 0.75 ... 2.5 mm <sup>2</sup> / 18 ... 14 AWG  |
| Fine-stranded conductor   | 0.25 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG  |
| Fine-stranded conductor with ferrule with plastic collar        | 0.75 ... 1.5 mm <sup>2</sup> / 18 ... 16 AWG  |
| Fine-stranded conductor with ferrule, push-in termination, from | 0.75 ... 1.5 mm <sup>2</sup> / 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 of mounting | DIN-35 rail         |
| Marking level    | Center/side marking |

### Material Data

|                     |                      |
|---------------------|----------------------|
| Color               | green-yellow         |
| Insulating material | Polyamide 66 (PA 66) |
| Weight              | 8.7 g                |

### Commercial data

|                   |               |
|-------------------|---------------|
| Product Group     | 22 (TOPJOB S) |
| Packaging type    | BOX           |
| Country of origin | DE            |

Subject to changes.


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 We are always happy to take your call at +49 (571) 887-44222.


|                    |               |
|--------------------|---------------|
| GTIN               | 4055143616973 |
| Customs Tariff No. | 85369010000   |

## Approvals / Certificates





### Ex-Approvals

| Logo   | Approval  | Additional Approval Text | Certificate name   |
|--|---|--------------------------|--|
|  | ATEX<br>Physikalisch Technische Bundesanstalt (PTB) | EN 60079                 | PTB 05<br>ATEX<br>1094 U (II<br>2 G Ex e II<br>bzw. I M 2<br>Ex e I) |

### Country specific Approvals

| Logo   | Approval                        | Additional Approval Text | Certificate name |
|--|---------------------------------|--------------------------|------------------|
|  | CSA<br>DEKRA Certification B.V. | C22.2 No. 158            | 1645434          |


### Ship Approvals

| Logo  | Approval   | Additional Approval Text | Certificate name         |
|---|--|--------------------------|--------------------------|
|   | ABS<br>American Bureau of Shipping               | EN 60947                 | 14-<br>HG1293677-<br>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<br>(E9)         |

### UL-Approvals









Certificate

Subject to changes.



| Logo   | Approval                            | Additional Approval Text | name                |
|--|-------------------------------------|--------------------------|---------------------|
|  | UL<br>UL International Germany GmbH | UL 1059                  | 20190731-<br>E45172 |

## Compatible products

### Carrier rail

|  |  |  |
|--|--|--|
|    | <b>Item no.: 210-112</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm   | <a href="http://www.wago.com/210-112">www.wago.com/210-112</a> |
|   | <b>Item no.: 210-113</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715                    | <a href="http://www.wago.com/210-113">www.wago.com/210-113</a> |
|  | <b>Item no.: 210-114</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715                     | <a href="http://www.wago.com/210-114">www.wago.com/210-114</a> |
|  | <b>Item no.: 210-115</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm   | <a href="http://www.wago.com/210-115">www.wago.com/210-115</a> |
|  | <b>Item no.: 210-118</b><br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715                   | <a href="http://www.wago.com/210-118">www.wago.com/210-118</a> |
|  | <b>Item no.: 210-196</b><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored | <a href="http://www.wago.com/210-196">www.wago.com/210-196</a> |
|  | <b>Item no.: 210-197</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715                       | <a href="http://www.wago.com/210-197">www.wago.com/210-197</a> |
|  | <b>Item no.: 210-198</b><br>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored  | <a href="http://www.wago.com/210-198">www.wago.com/210-198</a> |

### tools

|  |  |  |
|--|--|--|
|  | <b>Item no.: 210-647</b><br>Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft                | <a href="http://www.wago.com/210-647">www.wago.com/210-647</a> |
|  | <b>Item no.: 210-648</b><br>Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short | <a href="http://www.wago.com/210-648">www.wago.com/210-648</a> |

Subject to changes.



**Item no.: 210-719**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

[www.wago.com/210-719](http://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](http://www.wago.com/2002-1491)



**Item no.: 2002-1492**

End and intermediate plate; 0.8 mm thick; orange

[www.wago.com/2002-1492](http://www.wago.com/2002-1492)



**Item no.: 2002-1493**

Separator plate; 2 mm thick; oversized; gray

[www.wago.com/2002-1493](http://www.wago.com/2002-1493)



**Item no.: 2002-1494**

Separator plate; 2 mm thick; oversized; orange

[www.wago.com/2002-1494](http://www.wago.com/2002-1494)



**Item no.: 209-191**

Separator for Ex e/Ex i applications; 3 mm thick; 120 mm wide; orange

[www.wago.com/209-191](http://www.wago.com/209-191)

**Insulation stop**



**Item no.: 2001-171**

Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip; light gray

[www.wago.com/2001-171](http://www.wago.com/2001-171)

**Marking accessories**



**Item no.: 2009-110**

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

[www.wago.com/2009-110](http://www.wago.com/2009-110)



**Item no.: 2009-114**

WMB-Inline; for Smart Printer; on reel; stretchable 4 - 4.2 mm; plain; snap-on type; white

[www.wago.com/2009-114](http://www.wago.com/2009-114)



**Item no.: 2009-114/000-002**

WMB-Inline; for Smart Printer; on reel; stretchable 4 - 4.2 mm; plain; snap-on type; yellow

[www.wago.com/2009-114/000-002](http://www.wago.com/2009-114/000-002)



**Item no.: 2009-114/000-005**

WMB-Inline; for Smart Printer; on reel; stretchable 4 - 4.2 mm; plain; snap-on type; red

[www.wago.com/2009-114/000-005](http://www.wago.com/2009-114/000-005)



**Item no.: 2009-114/000-006**

WMB-Inline; for Smart Printer; on reel; stretchable 4 - 4.2 mm; plain; snap-on type; blue

[www.wago.com/2009-114/000-006](http://www.wago.com/2009-114/000-006)



**Item no.: 2009-114/000-007**

WMB-Inline; for Smart Printer; on reel; stretchable 4 - 4.2 mm; plain; snap-on type; gray

[www.wago.com/2009-114/000-007](http://www.wago.com/2009-114/000-007)



**Item no.: 2009-114/000-012**

WMB-Inline; for Smart Printer; on reel; stretchable 4 - 4.2 mm; plain; snap-on type; orange

[www.wago.com/2009-114/000-012](http://www.wago.com/2009-114/000-012)



**Item no.: 2009-114/000-023**

WMB-Inline; for Smart Printer; on reel; stretchable 4 - 4.2 mm; plain; snap-on type; green

[www.wago.com/2009-114/000-023](http://www.wago.com/2009-114/000-023)

Subject to changes.

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

Subject to changes.



**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](http://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](http://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](http://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](http://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](http://www.wago.com/793-501/000-024)

#### 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](http://www.wago.com/2001-115)

#### check



**Item no.: 2001-511**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 1-pole; 1,50 mm<sup>2</sup>; gray

[www.wago.com/2001-511](http://www.wago.com/2001-511)



**Item no.: 2001-549**  
Spacer module; modular; e.g., for bridging commoned terminal blocks; gray

[www.wago.com/2001-549](http://www.wago.com/2001-549)



**Item no.: 2001-552**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; 1,50 mm<sup>2</sup>; gray

[www.wago.com/2001-552](http://www.wago.com/2001-552)



**Item no.: 2001-553**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; 1,50 mm<sup>2</sup>; gray

[www.wago.com/2001-553](http://www.wago.com/2001-553)



**Item no.: 2001-554**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 1,50 mm<sup>2</sup>; gray

[www.wago.com/2001-554](http://www.wago.com/2001-554)



**Item no.: 2001-555**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; 1,50 mm<sup>2</sup>; gray

[www.wago.com/2001-555](http://www.wago.com/2001-555)



**Item no.: 2001-556**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole; 1,50 mm<sup>2</sup>; gray

[www.wago.com/2001-556](http://www.wago.com/2001-556)



**Item no.: 2001-557**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole; 1,50 mm<sup>2</sup>; gray

[www.wago.com/2001-557](http://www.wago.com/2001-557)




















**Item no.: 2001-558**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole; 1,50 mm<sup>2</sup>; gray

[www.wago.com/2001-558](http://www.wago.com/2001-558)
















**Item no.: 2001-559**

Subject to changes.

|  |   |  |
|--|---|--|
|    | Modular TOPJOB®S connector; modular; for jumper contact slot; 9-pole; 1,50 mm <sup>2</sup> ; gray   | <a href="http://www.wago.com/2001-559">www.wago.com/2001-559</a>                 |
|    | <b>Item no.: 2001-560</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 10-pole; 1,50 mm <sup>2</sup> ; gray             | <a href="http://www.wago.com/2001-560">www.wago.com/2001-560</a>                 |
|    | <b>Item no.: 2009-174</b><br>Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray              | <a href="http://www.wago.com/2009-174">www.wago.com/2009-174</a>                 |
|    | <b>Item no.: 2009-182</b><br>Testing tap; for max. 2.5 mm <sup>2</sup> ; tool-free connection for individual test wires 0.08 - 2.5 mm; gray | <a href="http://www.wago.com/2009-182">www.wago.com/2009-182</a>                 |
| <b>Jumper</b>  |   |  |
|    | <b>Item no.: 2001-402</b><br>Push-in type jumper bar; insulated; 2-way; Nominal current 18 A; light gray                                    | <a href="http://www.wago.com/2001-402">www.wago.com/2001-402</a>                 |
|    | <b>Item no.: 2001-403</b><br>Push-in type jumper bar; insulated; 3-way; Nominal current 18 A; light gray                                    | <a href="http://www.wago.com/2001-403">www.wago.com/2001-403</a>                 |
|    | <b>Item no.: 2001-404</b><br>Push-in type jumper bar; insulated; 4-way; Nominal current 18 A; light gray                                    | <a href="http://www.wago.com/2001-404">www.wago.com/2001-404</a>                 |
|    | <b>Item no.: 2001-405</b><br>Push-in type jumper bar; insulated; 5-way; Nominal current 18 A; light gray                                    | <a href="http://www.wago.com/2001-405">www.wago.com/2001-405</a>                 |
|   | <b>Item no.: 2001-405/011-000</b><br>Star point jumper; insulated; 3-way (1-3-5); IN = IN terminal block; light gray                        | <a href="http://www.wago.com/2001-405/011-000">www.wago.com/2001-405/011-000</a> |
|  | <b>Item no.: 2001-406</b><br>Push-in type jumper bar; insulated; 6-way; Nominal current 18 A; light gray                                    | <a href="http://www.wago.com/2001-406">www.wago.com/2001-406</a>                 |
|  | <b>Item no.: 2001-406/020-000</b><br>Delta jumper; insulated; 1-2 3-4 5-6; IN = IN terminal block; light gray                               | <a href="http://www.wago.com/2001-406/020-000">www.wago.com/2001-406/020-000</a> |
|  | <b>Item no.: 2001-407</b><br>Push-in type jumper bar; insulated; 7-way; Nominal current 18 A; light gray                                    | <a href="http://www.wago.com/2001-407">www.wago.com/2001-407</a>                 |
|  | <b>Item no.: 2001-408</b><br>Push-in type jumper bar; insulated; 8-way; Nominal current 18 A; light gray                                    | <a href="http://www.wago.com/2001-408">www.wago.com/2001-408</a>                 |
|  | <b>Item no.: 2001-409</b><br>Push-in type jumper bar; insulated; 9-way; Nominal current 18 A; light gray                                    | <a href="http://www.wago.com/2001-409">www.wago.com/2001-409</a>                 |
|  | <b>Item no.: 2001-410</b><br>Push-in type jumper bar; insulated; 10-way; Nominal current 18 A; light gray                                   | <a href="http://www.wago.com/2001-410">www.wago.com/2001-410</a>                 |
|  | <b>Item no.: 2001-433</b><br>Push-in type jumper bar; insulated; from 1 to 3; Nominal current 18 A; light gray                              | <a href="http://www.wago.com/2001-433">www.wago.com/2001-433</a>                 |
|  | <b>Item no.: 2001-434</b><br>Push-in type jumper bar; insulated; from 1 to 4; Nominal current 18 A; light gray                              | <a href="http://www.wago.com/2001-434">www.wago.com/2001-434</a>                 |

Subject to changes.



|  |   |  |
|--|---|--|
|    | <b>Item no.: 2001-435</b><br>Push-in type jumper bar; insulated; from 1 to 5; Nominal current 18 A; light gray  | <a href="http://www.wago.com/2001-435">www.wago.com/2001-435</a> |
|    | <b>Item no.: 2001-436</b><br>Push-in type jumper bar; insulated; from 1 to 6; Nominal current 18 A; light gray  | <a href="http://www.wago.com/2001-436">www.wago.com/2001-436</a> |
|    | <b>Item no.: 2001-437</b><br>Push-in type jumper bar; insulated; from 1 to 7; Nominal current 18 A; light gray  | <a href="http://www.wago.com/2001-437">www.wago.com/2001-437</a> |
|    | <b>Item no.: 2001-438</b><br>Push-in type jumper bar; insulated; from 1 to 8; Nominal current 18 A; light gray  | <a href="http://www.wago.com/2001-438">www.wago.com/2001-438</a> |
|    | <b>Item no.: 2001-439</b><br>Push-in type jumper bar; insulated; from 1 to 9; Nominal current 18 A; light gray  | <a href="http://www.wago.com/2001-439">www.wago.com/2001-439</a> |
|    | <b>Item no.: 2001-440</b><br>Push-in type jumper bar; insulated; from 1 to 10; Nominal current 18 A; light gray   | <a href="http://www.wago.com/2001-440">www.wago.com/2001-440</a> |
|    | <b>Item no.: 2009-412</b><br>Push-in type wire jumper; insulated; wire length 60 mm; Conductor cross section 1.5 mm <sup>2</sup> ; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks; black  | <a href="http://www.wago.com/2009-412">www.wago.com/2009-412</a> |
|    | <b>Item no.: 2009-414</b><br>Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 1.5 mm <sup>2</sup> ; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks; black | <a href="http://www.wago.com/2009-414">www.wago.com/2009-414</a> |
|    | <b>Item no.: 2009-416</b><br>Push-in type wire jumper; insulated; wire length 250 mm; Conductor cross section 1.5 mm <sup>2</sup> ; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks; black | <a href="http://www.wago.com/2009-416">www.wago.com/2009-416</a> |
|   | <b>Item no.: 210-103</b><br>Wire commoning chain; insulated; 50 connections; black  | <a href="http://www.wago.com/210-103">www.wago.com/210-103</a>   |
|  | <b>Item no.: 210-123</b><br>Wire commoning chain; insulated; 50 connections   | <a href="http://www.wago.com/210-123">www.wago.com/210-123</a>   |
| <b>ferrule</b>   |   |  |
|  | <b>Item no.: 216-241</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white                            | <a href="http://www.wago.com/216-241">www.wago.com/216-241</a>   |
|  | <b>Item no.: 216-242</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray                            | <a href="http://www.wago.com/216-242">www.wago.com/216-242</a>   |
|  | <b>Item no.: 216-243</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red                                | <a href="http://www.wago.com/216-243">www.wago.com/216-243</a>   |
|  | <b>Item no.: 216-244</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black                            | <a href="http://www.wago.com/216-244">www.wago.com/216-244</a>   |

Subject to changes.



## Downloads

### Documentation

#### Bid Text

|                          |              |               |          |
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| 2001-1407<br>X81 - Datei | Feb 19, 2019 | xml<br>3.7 kB | Download |
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|                           |             |                 |          |
|---------------------------|-------------|-----------------|----------|
| 2001-1407<br>docx - Datei | Aug 2, 2018 | docx<br>14.7 kB | Download |
|---------------------------|-------------|-----------------|----------|

#### Additional Information

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

## CAD/CAE-Data

### CAD data

|                        |     |          |
|------------------------|-----|----------|
| 2D/3D Models 2001-1407 | URL | Download |
|------------------------|-----|----------|

### CAE data

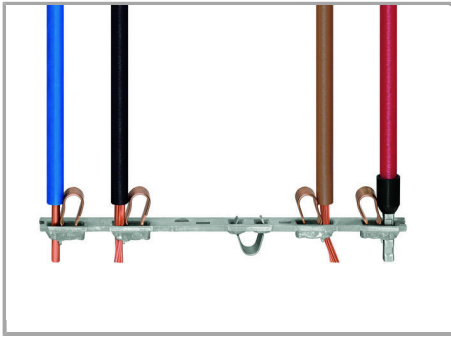
|                             |          |
|-----------------------------|----------|
| EPLAN Data Portal 2001-1407 | Download |
|-----------------------------|----------|

|                          |          |
|--------------------------|----------|
| WSCAD Universe 2001-1407 | Download |
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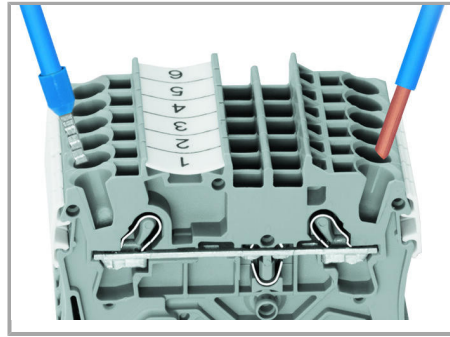
## Installation Notes

### Inserting a conductor

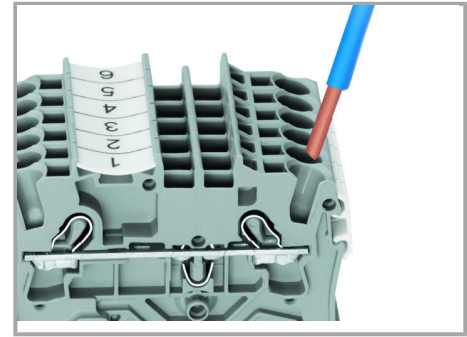
Subject to changes.



All conductor types at a glance



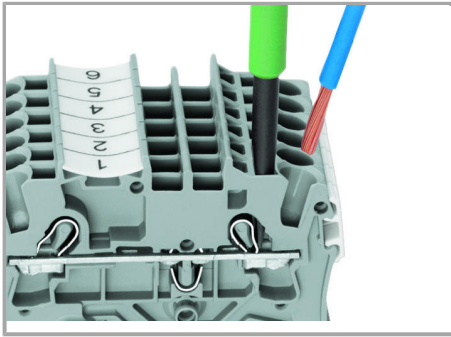
Terminating solid and ferruled conductors via push-in connection.



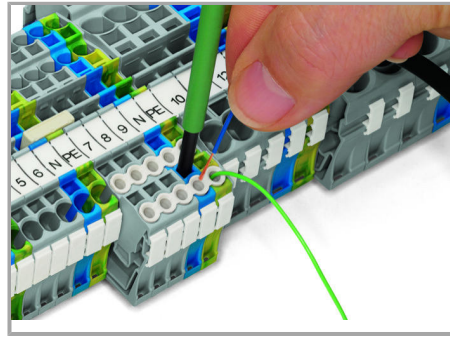
Inserting conductors via push-in termination.

**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.



Inserting a conductor via operating tool.



Conductor termination – Insulation stop.

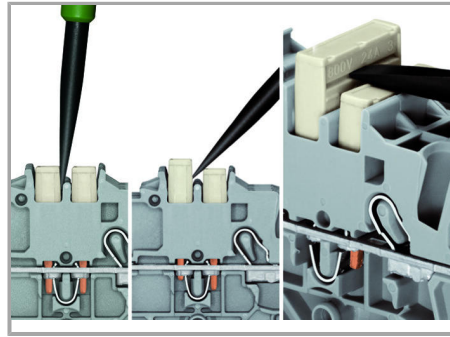
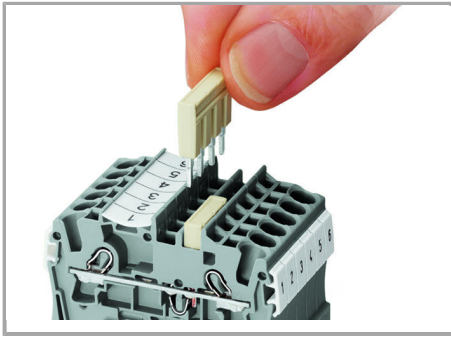
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.

**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.



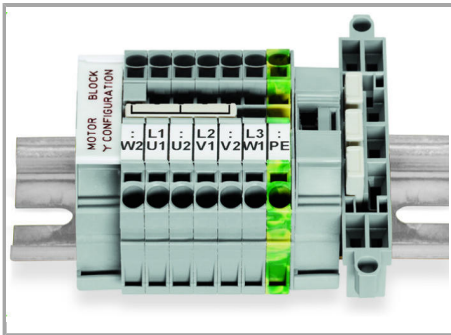
The push-in type jumper bar system is based on the common plug and socket principle. Each terminal block is spring-loaded with a double socket and a resilient CrNi steel spring. The jumper contact material is pure electrolytic copper, which allows for an extremely small design capable of carrying the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

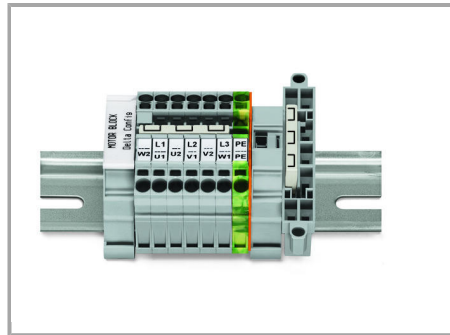
Insert the operating tool between the jumper and the partition wall of the dual jumper slots, then lift up the jumper.

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.

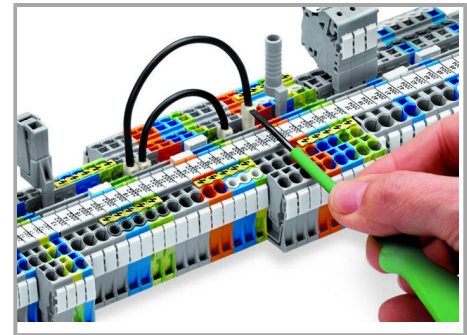
#### Jumpered



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.



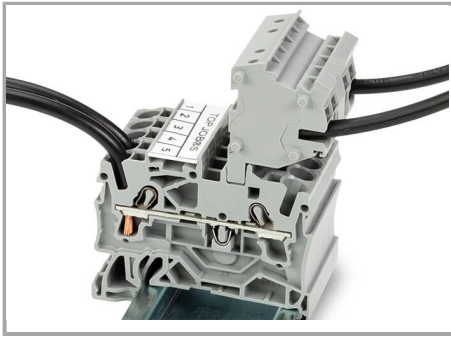
This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with TOPJOB® S rail-mount terminal blocks.



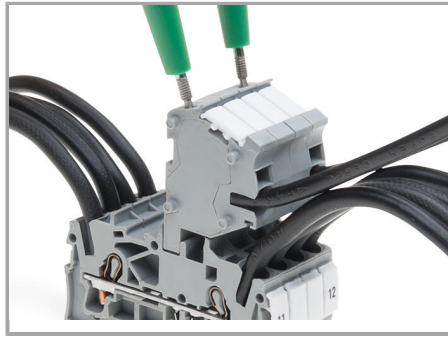
Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.

#### Testing

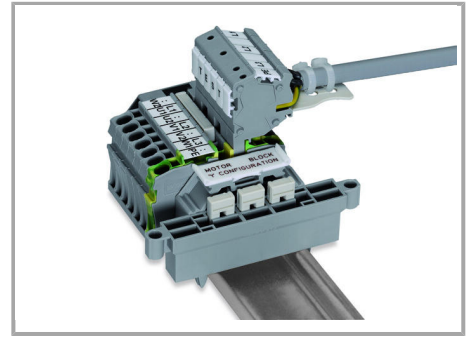
Subject to changes.



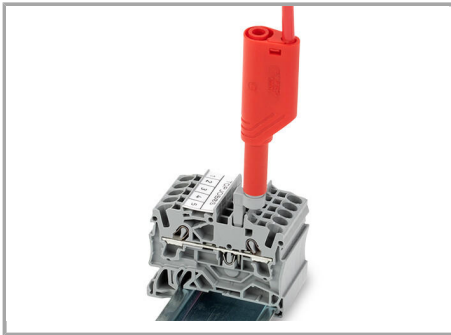
The modular TOPJOB® S connectors also connect conductors of the same size as the terminal blocks being used.



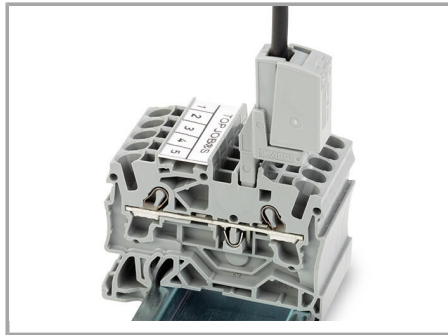
TOPJOB® S Connectors with a 2 mm Ø test socket for testing voltage via 2-pole voltage tester



Rail-mount terminal block assembly for electric motor wiring

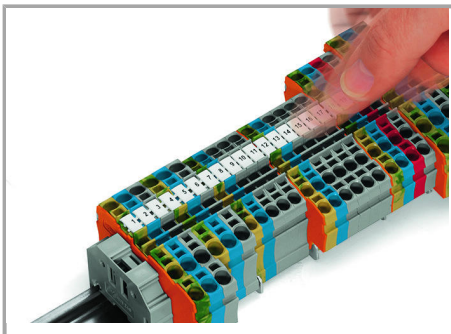


Test plug adapter (2009-174, CAT II) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

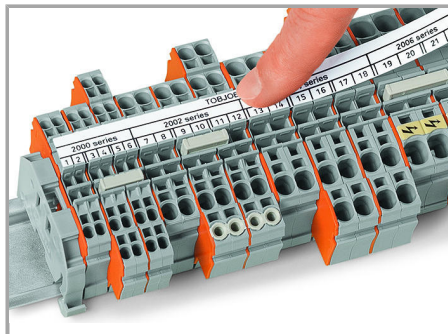


Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm<sup>2</sup> (12 AWG) – compatible with 2000 to 2016 Series

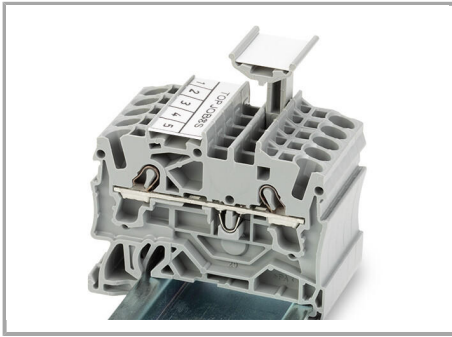
### Marking



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!

## 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.

[Show all products from the family](#)

Subject to changes.