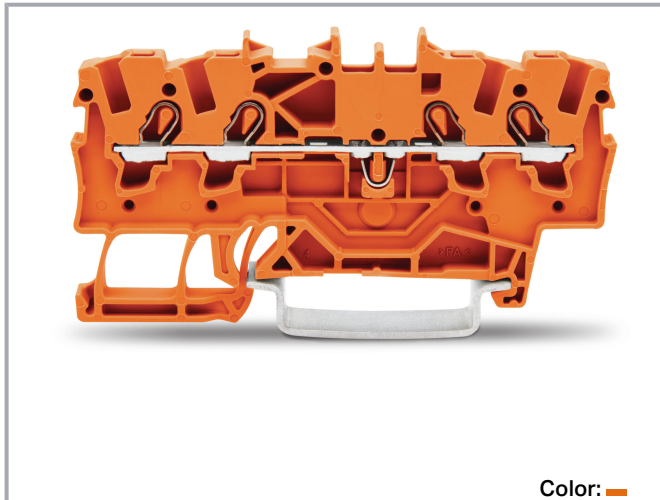


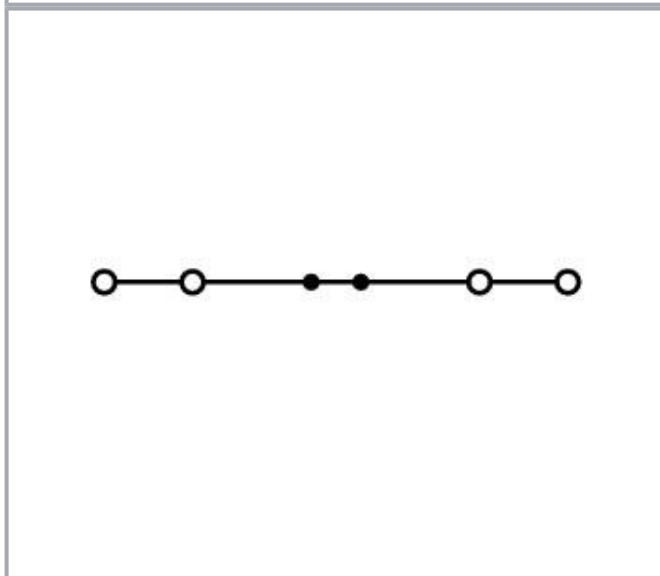
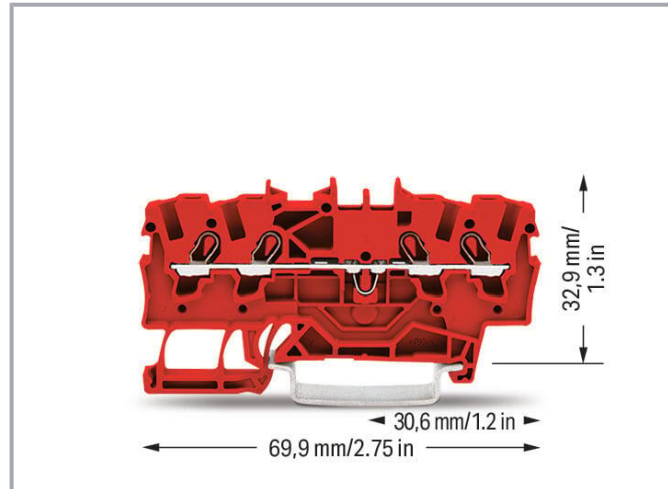
## Data sheet | Item number: 2001-1402

4-conductor through 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>; orange

[www.wago.com/2001-1402](http://www.wago.com/2001-1402)



Color: 



## Data

### Electrical data

### Ratings per IEC/EN

Ratings per

IEC/EN 60947-7-1

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

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|                                                           |                                                                      |
|-----------------------------------------------------------|----------------------------------------------------------------------|
| Nominal voltage (III/3)                                   | 800 V                                                                |
| Rated impulse voltage (III/3)                             | 8 kV                                                                 |
| Rated current                                             | 18 A                                                                 |
| Current at conductor cross-section (max.) mm <sup>2</sup> | 24 A                                                                 |
| Legend (ratings)                                          | (III / 3) $\triangleq$ Overvoltage category III / Pollution degree 3 |

### Ratings per UL 1059

|                                |         |
|--------------------------------|---------|
| Approvals per                  | UL 1059 |
| Rated voltage UL (Use Group B) | 600 V   |
| Rated current UL (Use Group B) | 15 A    |
| Rated voltage UL (Use Group C) | 600 V   |
| Rated current UL (Use Group C) | 15 A    |

### Ratings per CSA

|                                 |                 |
|---------------------------------|-----------------|
| Approvals per                   | CSA 22.2 No 158 |
| Rated voltage CSA (Use Group B) | 600 V           |
| Rated current CSA (Use Group B) | 15 A            |
| Rated voltage CSA (Use Group C) | 600 V           |
| Rated current CSA (Use Group C) | 15 A            |

### Ex information

|                                     |                                                                                                                                                       |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference hazardous areas           | See application instructions in section "Knowledge and Downloads – Documentation – Additional Information: Technical Section; Technical Explications" |
| Ratings per                         | ATEX: PTB 05 ATEX 1094 U / IECEx: PTB 05.0034U (Ex eb IIC Gb)                                                                                         |
| Rated voltage EN (Ex e II)          | 550 V                                                                                                                                                 |
| Rated current (Ex e II)             | 17 A                                                                                                                                                  |
| Rated current (Ex e II) with jumper | 16 A                                                                                                                                                  |

### Power Loss

|                                                              |                |
|--------------------------------------------------------------|----------------|
| Power loss, per pole (potential)                             | 0.593 W        |
| Rated current $I_N$ for specified power loss                 | 18 A           |
| Resistance value for specified, current-dependent power loss | 0.002 $\Omega$ |

### Connection data

|                   |   |
|-------------------|---|
| Connection points | 4 |
|-------------------|---|

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



|                            |   |
|----------------------------|---|
| Total number of potentials | 1 |
| Number of levels           | 1 |
| Number of jumper slots     | 2 |

## Connection 1

|                                                            |                                                                                                                                   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Connection technology                                      | Push-in CAGE CLAMP®                                                                                                               |
| Actuation type                                             | Operating tool                                                                                                                    |
| Connectable conductor materials                            | Copper                                                                                                                            |
| Nominal cross-section                                      | 1.5 mm²                                                                                                                           |
| Solid conductor                                            | 0.25 ... 2.5 mm² / 22 ... 14 AWG                                                                                                  |
| Solid conductor; push-in termination                       | 0.75 ... 2.5 mm² / 18 ... 14 AWG                                                                                                  |
| Fine-stranded conductor                                    | 0.25 ... 2.5 mm² / 22 ... 14 AWG                                                                                                  |
| Fine-stranded conductor; with insulated ferrule            | 0.25 ... 1.5 mm² / 22 ... 16 AWG                                                                                                  |
| Fine-stranded conductor; with ferrule; push-in termination | 0.75 ... 1.5 mm² / 18 ... 16 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                                               | 9 ... 11 mm / 0.35 ... 0.43 inches                                                                                                |
| Wiring direction                                           | Front-entry wiring                                                                                                                |

## Physical data

|                                   |                        |
|-----------------------------------|------------------------|
| Width                             | 4.2 mm / 0.165 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                       | orange                                                   |
| Material group              | I                                                        |
| Insulation material         | Polyamide (PA66)                                         |
| Flammability class per UL94 | V0                                                       |
| Fire load                   | 0.124 MJ                                                 |

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



|        |       |
|--------|-------|
| Weight | 5.8 g |
|--------|-------|

## Environmental requirements

|                                  |                 |
|----------------------------------|-----------------|
| Processing temperature           | -35 ... +85 °C  |
| Continuous operating temperature | -60 ... +105 °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                  | 4017332998680 |
| Customs tariff number | 85369010000   |

## Environmental Product Compliance

|                        |                         |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

## Approvals / Certificates

### General approvals

| Logo                                                                               | Approval                              | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V.       | EN 60947                 | NTR NL-7963      |
|  | CSA<br>DEKRA Certification B.V.       | C22.2 No. 158            | 1645434          |
|  | KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947                 | 71-125954        |
|                                                                                    | UL<br>UL International Germany GmbH   | UL 1059                  | E45172           |

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



## Declarations of conformity and manufacturer's declarations

| Logo                                                                             | Approval                                                    | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------|------------------|
|                                                                                  | <b>ATEX-Attestation of Conformity</b><br>WAGO GmbH & Co. KG | -                        | -                |
|  | <b>EU-Declaration of Conformity</b><br>WAGO GmbH & Co. KG   | -                        | -                |
|  | <b>Railway</b><br>WAGO GmbH & Co. KG                        | -                        | Railway Ready    |
|  | <b>UK-Declaration of Conformity</b><br>WAGO GmbH & Co. KG   | -                        | -                |

## Approvals for marine applications

| Logo                                                                               | Approval                                                | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------|------------------|
|  | <b>ABS</b><br>American Bureau of Shipping               | EN 60947                 | 20-HG1941090-PDA |
|  | <b>BV</b><br>Bureau Veritas S.A.                        | EN 60947                 | 38586/B0 BV      |
|  | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE00001V2       |

## Approvals for hazardous areas

| Logo                                                                               | Approval                                                                              | Additional Approval Text | Certificate name                 |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------|----------------------------------|
|  | <b>AEx</b><br>UL International Germany GmbH c/o Physikalisch Technische Bundesanstalt | UL 60079                 | E185892 (AEx e II resp. Ex e II) |

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

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|                                                                                  |                                                             |                |                                                                      |
|----------------------------------------------------------------------------------|-------------------------------------------------------------|----------------|----------------------------------------------------------------------|
|  | <b>ATEX</b><br>Physikalisch Technische Bundesanstalt (PTB)  | EN 60079       | PTB 05 ATEX 1094<br>U (II 2 G Ex eb IIC Gb<br>bzw. I M 2 Ex eb I Mb) |
|  | <b>CCC</b><br>CNEX                                          | GB/T 3836.3    | 2020312313000159<br>(Ex eb IIC Gb, Ex eb I<br>Mb)                    |
|  | <b>EAC</b><br>Brjansker Zertifizierungsstelle               | TP TC 012/2011 | RU C-DE.AM02.B.<br>00127/19 (Ex e IIC<br>Gb U)                       |
|  | <b>IECEX</b><br>Physikalisch Technische Bundesanstalt (PTB) | IEC 60079      | IECEX PTB 05. 0034<br>U (Ex eb IIC Gb or Ex<br>eb I Mb)              |

## Required accessories

### End plate

#### End plate

|                                                                                    |                                                                                |                                                                    |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------|
|  | <b>Item no.: 2002-1492</b><br>End and intermediate plate; 0.8 mm thick; orange | <a href="http://www.wago.com/2002-1492">www.wago.com/2002-1492</a> |
|  | <b>Item no.: 2002-1491</b><br>End and intermediate plate; 0.8 mm thick; gray   | <a href="http://www.wago.com/2002-1491">www.wago.com/2002-1491</a> |

## Optional accessories

### Insulation stop

#### Insulation stop

|                                                                                    |                                                                                                       |                                                                  |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|  | <b>Item no.: 2001-171</b><br>Insulation stop; 0.25 - 0.5 mm <sup>2</sup> ; 5 pieces/strip; light gray | <a href="http://www.wago.com/2001-171">www.wago.com/2001-171</a> |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|

## Testing and measuring

### Testing accessories

|                                                                                    |                                                                                                                                             |                                                                  |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|   | <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> |

**Item no.: 2001-511**

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

|                                                                                   |                                                                                                                                 |                                                                  |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|    | Modular TOPJOB®S connector; modular; for jumper contact slot; 1-pole; 1,50 mm <sup>2</sup> ; gray                               | <a href="http://www.wago.com/2001-511">www.wago.com/2001-511</a> |
|    | <b>Item no.: 2001-554</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 1,50 mm <sup>2</sup> ; gray  | <a href="http://www.wago.com/2001-554">www.wago.com/2001-554</a> |
|    | <b>Item no.: 2001-549</b><br>Spacer module; modular; e.g., for bridging commoned terminal blocks; gray                          | <a href="http://www.wago.com/2001-549">www.wago.com/2001-549</a> |
|    | <b>Item no.: 2001-556</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole; 1,50 mm <sup>2</sup> ; gray  | <a href="http://www.wago.com/2001-556">www.wago.com/2001-556</a> |
|    | <b>Item no.: 2001-557</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole; 1,50 mm <sup>2</sup> ; gray  | <a href="http://www.wago.com/2001-557">www.wago.com/2001-557</a> |
|    | <b>Item no.: 2001-553</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; 1,50 mm <sup>2</sup> ; gray  | <a href="http://www.wago.com/2001-553">www.wago.com/2001-553</a> |
|    | <b>Item no.: 2001-552</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; 1,50 mm <sup>2</sup> ; gray  | <a href="http://www.wago.com/2001-552">www.wago.com/2001-552</a> |
|    | <b>Item no.: 2001-558</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole; 1,50 mm <sup>2</sup> ; gray  | <a href="http://www.wago.com/2001-558">www.wago.com/2001-558</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.: 2001-555</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; 1,50 mm <sup>2</sup> ; gray  | <a href="http://www.wago.com/2001-555">www.wago.com/2001-555</a> |
|  | <b>Item no.: 2001-559</b><br>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> |

## Mounting

### Cover carrier



**Item no.: 709-169**  
Cover carrier; Type 3; gray

[www.wago.com/709-169](http://www.wago.com/709-169)

### Cover



**Item no.: 709-156**  
Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent

[www.wago.com/709-156](http://www.wago.com/709-156)

## Push-in type wire jumper

### Jumper



**Item no.: 2009-412**  
Push-in type wire jumper; insulated; 60 mm long; black

[www.wago.com/2009-412](http://www.wago.com/2009-412)



**Item no.: 2009-414**  
Push-in type wire jumper; 1.5 mm<sup>2</sup>; insulated; 110 mm long; black

[www.wago.com/2009-414](http://www.wago.com/2009-414)

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

**Item no.: 2009-416**

Push-in type wire jumper; 1.5 mm²; insulated; 250 mm long; black

[www.wago.com/2009-416](http://www.wago.com/2009-416)**Item no.: 2009-414/000-005**

Push-in type wire jumper; 1.5 mm²; insulated; 110 mm long; black

[www.wago.com/2009-414/000-005](http://www.wago.com/2009-414/000-005)**Item no.: 2009-414/000-006**

Push-in type wire jumper; insulated; 110 mm long; black

[www.wago.com/2009-414/000-006](http://www.wago.com/2009-414/000-006)

## Ferrule

### 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

[www.wago.com/216-241](http://www.wago.com/216-241)**Item no.: 216-242**

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

[www.wago.com/216-242](http://www.wago.com/216-242)**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

[www.wago.com/216-243](http://www.wago.com/216-243)**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

[www.wago.com/216-244](http://www.wago.com/216-244)

## Tool

### Operating tool

**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](http://www.wago.com/210-648)**Item no.: 210-647**

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

[www.wago.com/210-647](http://www.wago.com/210-647)**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)

## Carrier rail

### Mounting accessories

**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

[www.wago.com/210-197](http://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](http://www.wago.com/210-198)**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

[www.wago.com/210-113](http://www.wago.com/210-113)

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

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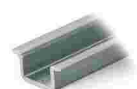
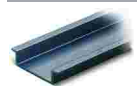
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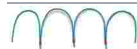
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**Item no.: 210-118**Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored [www.wago.com/210-118](http://www.wago.com/210-118)**Item no.: 210-112**Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; [www.wago.com/210-112](http://www.wago.com/210-112)  
silver-colored**Item no.: 210-114**Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored [www.wago.com/210-114](http://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](http://www.wago.com/210-115)  
silver-colored**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](http://www.wago.com/210-196)**Protective warning marker**

Cover

**Item no.: 2001-115**Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow [www.wago.com/2001-115](http://www.wago.com/2001-115)**Jumpers**

Jumper

**Item no.: 210-123**Wire commoning chain; insulated; blue [www.wago.com/210-123](http://www.wago.com/210-123)**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 [www.wago.com/2006-499](http://www.wago.com/2006-499)**Item no.: 2001-402**Jumper; 2-way; insulated; light gray [www.wago.com/2001-402](http://www.wago.com/2001-402)**Item no.: 2001-403**Jumper; 3-way; insulated; light gray [www.wago.com/2001-403](http://www.wago.com/2001-403)**Item no.: 2001-405**Jumper; 5-way; insulated; light gray [www.wago.com/2001-405](http://www.wago.com/2001-405)**Item no.: 2001-406/020-000**Delta jumper; insulated; light gray [www.wago.com/2001-406/020-000](http://www.wago.com/2001-406/020-000)**Item no.: 2001-405/011-000**Star point jumper; 3-way; insulated; light gray [www.wago.com/2001-405/011-000](http://www.wago.com/2001-405/011-000)**Item no.: 2001-407**Jumper; 7-way; insulated; light gray [www.wago.com/2001-407](http://www.wago.com/2001-407)**Item no.: 2001-409**[www.wago.com/2001-409](http://www.wago.com/2001-409)

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

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|                                                                                    |                                                                          |                                                                  |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------|
| Jumper; 9-way; insulated; light gray                                               |                                                                          |                                                                  |
|     | <b>Item no.: 2001-406</b><br>Jumper; 6-way; insulated; light gray        | <a href="http://www.wago.com/2001-406">www.wago.com/2001-406</a> |
|     | <b>Item no.: 2001-404</b><br>Jumper; 4-way; insulated; light gray        | <a href="http://www.wago.com/2001-404">www.wago.com/2001-404</a> |
|     | <b>Item no.: 2001-410</b><br>Jumper; 10-way; insulated; light gray       | <a href="http://www.wago.com/2001-410">www.wago.com/2001-410</a> |
|     | <b>Item no.: 2001-433</b><br>Jumper; from 1 to 3; insulated; light gray  | <a href="http://www.wago.com/2001-433">www.wago.com/2001-433</a> |
|     | <b>Item no.: 2001-435</b><br>Jumper; from 1 to 5; insulated; light gray  | <a href="http://www.wago.com/2001-435">www.wago.com/2001-435</a> |
|     | <b>Item no.: 2001-408</b><br>Jumper; 8-way; insulated; light gray        | <a href="http://www.wago.com/2001-408">www.wago.com/2001-408</a> |
|     | <b>Item no.: 2001-437</b><br>Jumper; from 1 to 7; insulated; light gray  | <a href="http://www.wago.com/2001-437">www.wago.com/2001-437</a> |
|     | <b>Item no.: 2001-436</b><br>Jumper; from 1 to 6; insulated; light gray  | <a href="http://www.wago.com/2001-436">www.wago.com/2001-436</a> |
|     | <b>Item no.: 2001-440</b><br>Jumper; from 1 to 10; insulated; light gray | <a href="http://www.wago.com/2001-440">www.wago.com/2001-440</a> |
|   | <b>Item no.: 2001-438</b><br>Jumper; from 1 to 8; insulated; light gray  | <a href="http://www.wago.com/2001-438">www.wago.com/2001-438</a> |
|   | <b>Item no.: 2001-434</b><br>Jumper; from 1 to 4; insulated; light gray  | <a href="http://www.wago.com/2001-434">www.wago.com/2001-434</a> |
|   | <b>Item no.: 2001-439</b><br>Jumper; from 1 to 9; insulated; light gray  | <a href="http://www.wago.com/2001-439">www.wago.com/2001-439</a> |
|  | <b>Item no.: 210-103</b><br>Wire commoning chain; insulated; black       | <a href="http://www.wago.com/210-103">www.wago.com/210-103</a>   |

#### Marking accessories

##### Marking strip

|                                                                                    |                                                                                                                      |                                                                  |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|  | <b>Item no.: 2009-110</b><br>Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white | <a href="http://www.wago.com/2009-110">www.wago.com/2009-110</a> |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|

##### Marker

|                                                                                    |                                                                                                                                              |                                                                                  |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | <b>Item no.: 2009-114/000-002</b><br>WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; yellow | <a href="http://www.wago.com/2009-114/000-002">www.wago.com/2009-114/000-002</a> |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|

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

|                                                                                    |                                                                                                                                              |                                                                                  |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|   | <b>Item no.: 2009-114/000-005</b><br>WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; red    | <a href="http://www.wago.com/2009-114/000-005">www.wago.com/2009-114/000-005</a> |
|   | <b>Item no.: 2009-114/000-007</b><br>WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; gray   | <a href="http://www.wago.com/2009-114/000-007">www.wago.com/2009-114/000-007</a> |
|   | <b>Item no.: 2009-114/000-023</b><br>WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; green  | <a href="http://www.wago.com/2009-114/000-023">www.wago.com/2009-114/000-023</a> |
|   | <b>Item no.: 2009-114/000-006</b><br>WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; blue   | <a href="http://www.wago.com/2009-114/000-006">www.wago.com/2009-114/000-006</a> |
|   | <b>Item no.: 2009-114/000-024</b><br>WMB-Inline; for Smart Printer; 2000 pieces on roll; 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.: 2009-114/000-012</b><br>WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; orange | <a href="http://www.wago.com/2009-114/000-012">www.wago.com/2009-114/000-012</a> |
|   | <b>Item no.: 2009-114</b><br>WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; white          | <a href="http://www.wago.com/2009-114">www.wago.com/2009-114</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.: 793-4501/000-006</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</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.: 793-4501/000-023</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> |

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



Item no.: 793-4501/000-005

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; red

[www.wago.com/793-4501/000-005](http://www.wago.com/793-4501/000-005)


Item no.: 793-4501/000-007

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; gray

[www.wago.com/793-4501/000-007](http://www.wago.com/793-4501/000-007)


Item no.: 793-4501/000-012

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; orange

[www.wago.com/793-4501/000-012](http://www.wago.com/793-4501/000-012)


Item no.: 793-4501/000-017

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; light green

[www.wago.com/793-4501/000-017](http://www.wago.com/793-4501/000-017)

## Downloads

### Documentation

#### Bid Text

|                           |             |                 |          |
|---------------------------|-------------|-----------------|----------|
| 2001-1402<br>X81 - Datei  | 19 Feb 2019 | xml<br>4.0 kB   | Download |
| 2001-1402<br>docx - Datei | 2 Aug 2018  | docx<br>15.1 kB | Download |

#### Additional Information

pdf  
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## CAD/CAE-Data

### CAD data

|                        |     |          |
|------------------------|-----|----------|
| 2D/3D Models 2001-1402 | URL | Download |
|------------------------|-----|----------|

### CAE data

|                             |     |          |
|-----------------------------|-----|----------|
| EPLAN Data Portal 2001-1402 | URL | Download |
| WSCAD Universe 2001-1402    | URL | Download |

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 2001-1402

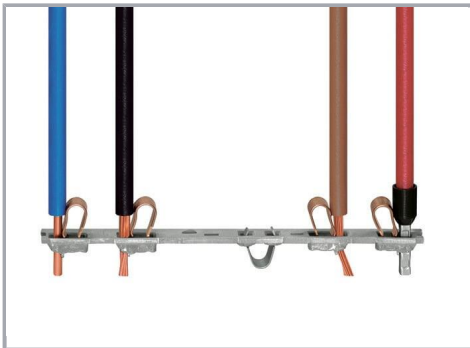
[URL](#)

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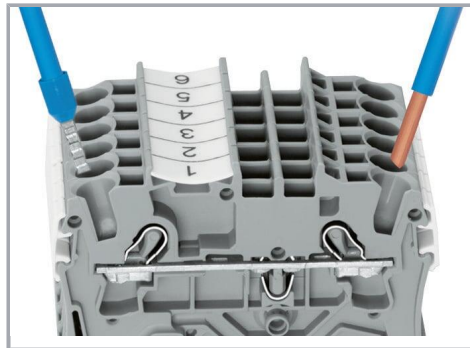
4-conductor through terminal block; 1.5 mm<sup>2</sup>; suitable for Ex e II applications; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 1,50 mm<sup>2</sup>; orange

## Installation Notes

### Conductor termination

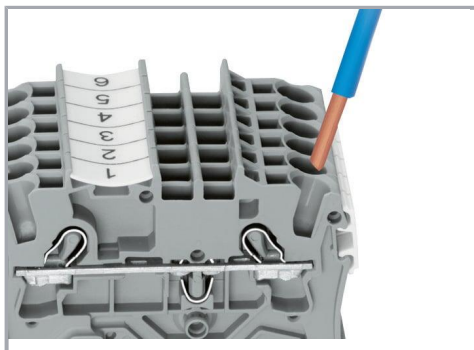


All conductor types at a glance



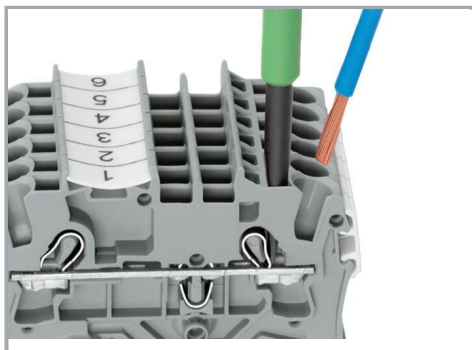
Push-in termination of solid and ferruled conductors

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



**Inserting a conductor 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.

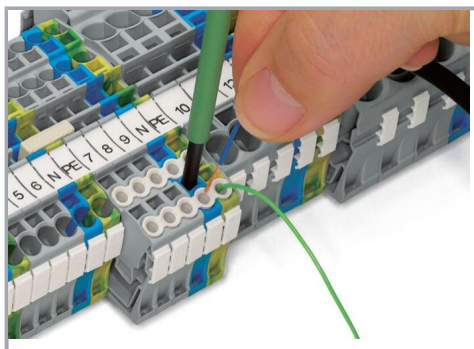


**Inserting a conductor via operating tool:**

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.



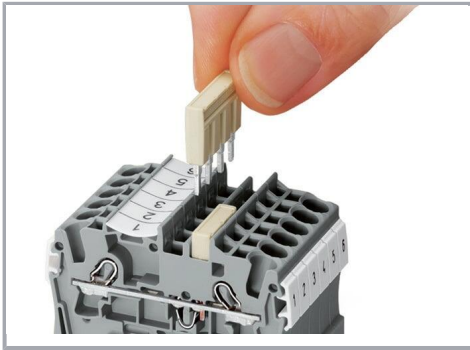
Conductor termination – insulation stop

**Commoning**

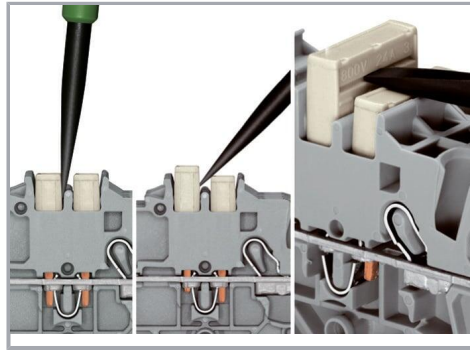
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Insert push-in type jumper bar and push down until it hits backstop.

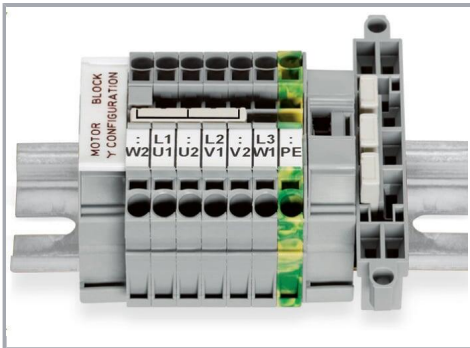


#### Removing a push-in type jumper bar:

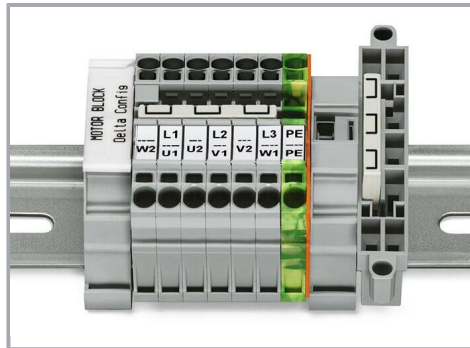
Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper.

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.

#### Commoning

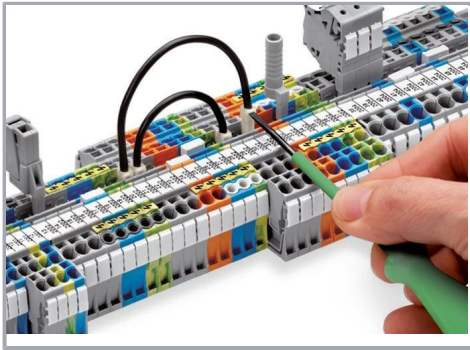


This star point jumper has been specially developed to create a "star point" and is used on motor terminal boards equipped with Rail-Mount Terminal Blocks TOPJOB® S.



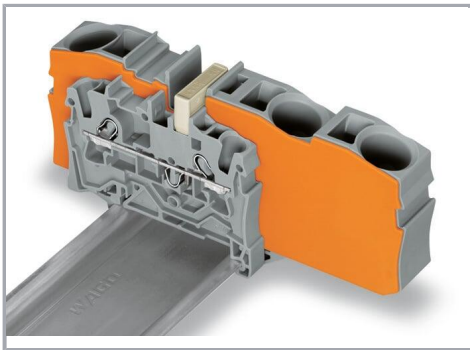
This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with rail-mount terminal blocks TOPJOB® S.

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



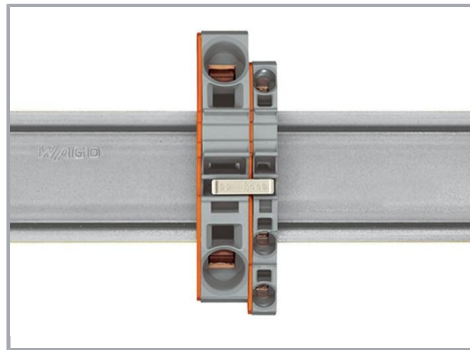
Push down the wire jumper until fully inserted.  
Lift the jumper with an operating tool for rewiring.

### Commoning



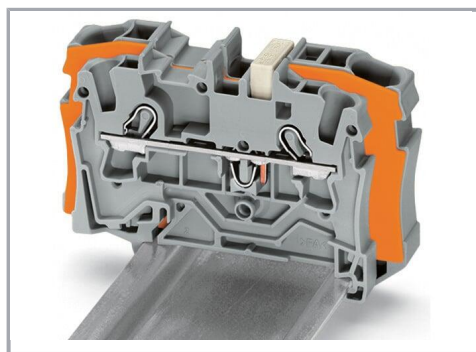
Step-down jumpers common terminal blocks of different sizes, without losing a conductor clamping point. This can be beneficial on long conductor runs where voltage drop can be a problem. A large conductor can be easily connected to smaller conductors at the distribution point.

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.

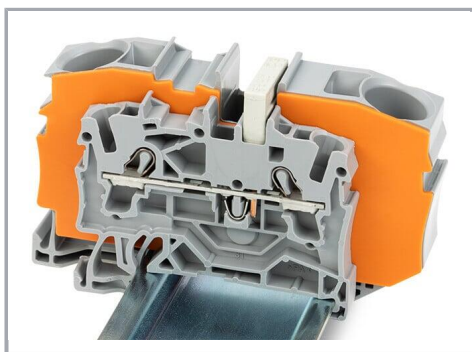


**Using step-down jumpers**, an end plate must be inserted between the terminal blocks to be commoned.

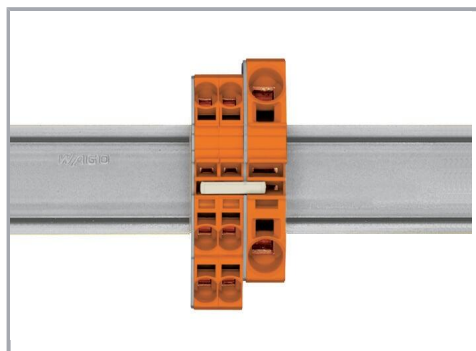
Subject to changes. Please also observe the further product documentation!



**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).

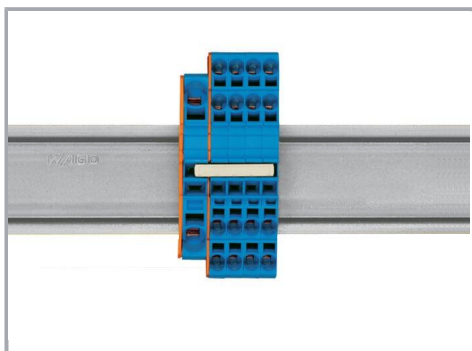


**Step-down jumper (2016-499)** commons 16 /10 mm² (16/8 AWG) terminal blocks (2016 /2010 Series) with 10/6/4/2.5 mm² (8/10/12/14 AWG) terminal blocks (2010/2006/2004/2002 Series).



#### Stepping down via push-in type jumper bar:

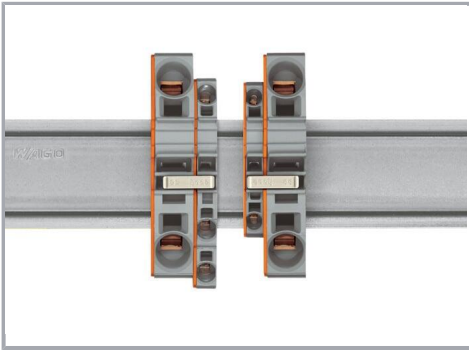
Commoning via open terminal side with end plate allows jumpering over two cross-section sizes for 16 mm² (6 AWG) and 10 mm² (8 AWG) and one cross-section size for 6/4/2.5 mm² (10 /12/14 AWG). An example: from 16 mm² (6 AWG) to 6 mm² (10 AWG) (see illustration above) or from 10 mm² (8 AWG) to 4 mm² (12 AWG).



#### Stepping down via push-in type jumper bar:

Commoning via closed terminal side with end plate allows jumpering over two cross-section sizes, e.g., from 16 mm² (6 AWG) to 6 mm² (10 AWG) or from 6 mm² (10 AWG) to 2.5 mm² (14 AWG) (see illustration above).

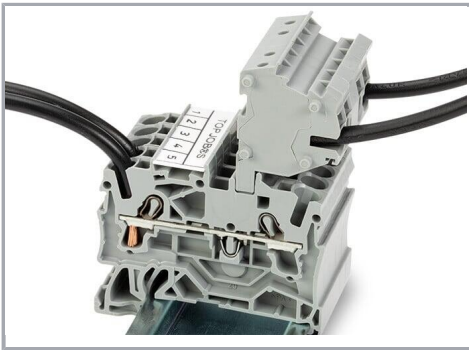
Subject to changes. Please also observe the further product documentation!



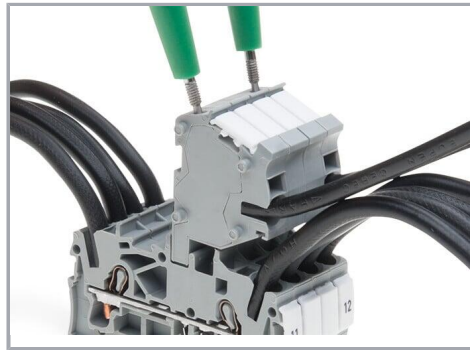
**Note:**

The total current of the outgoing circuits must not exceed the nominal current of the step-down jumper/push-in type jumper bar.

**Testing**

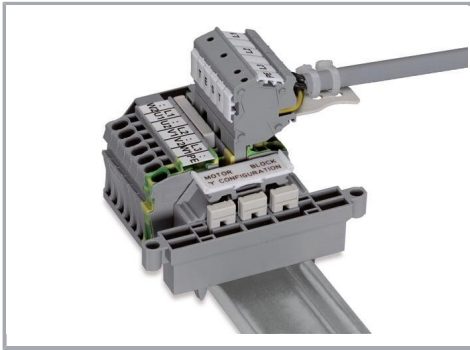


The modular TOPJOB® S connectors also connect conductors of the same size as the terminal blocks being used.



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

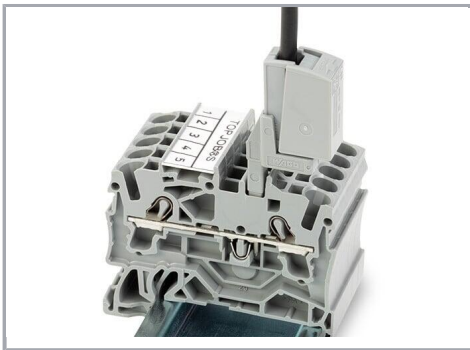
Subject to changes. Please also observe the further product documentation!



Rail-mount terminal block assembly for electric motor wiring

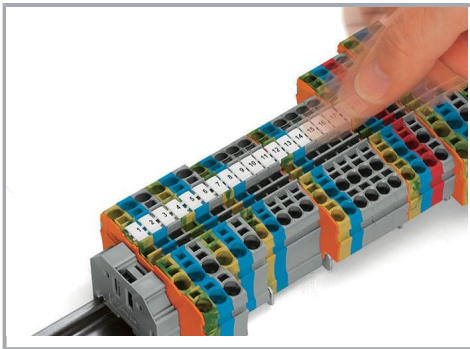


Test plug adapter (2009-174, CAT I) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

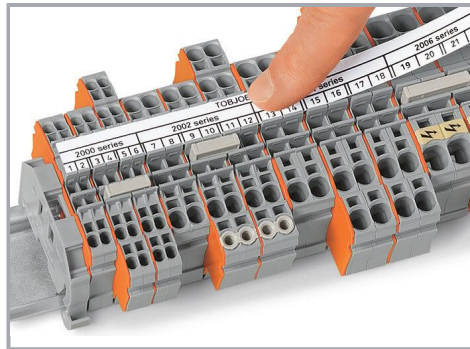


Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

## Marking



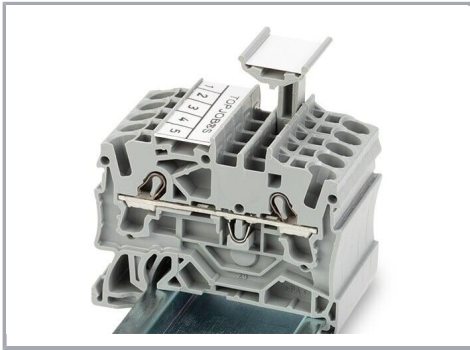
Snapping WMB Inline markers into marker slots.



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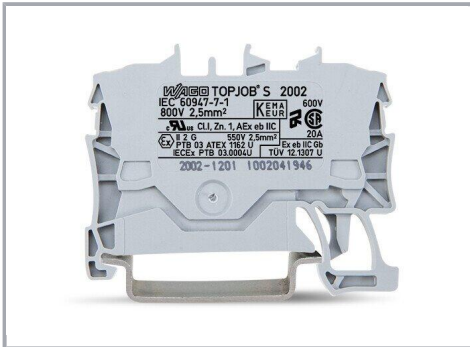
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TOPJOB® S 2009-193 Group Marker Carrier  
(equipped with a marking strip) for all 2001 to  
2016 Series TOPJOB® S Rail-Mount Terminal  
Blocks

Do not use on an end plate!

#### Ex application



Through terminal blocks with a blue insulated  
housing are suitable for Ex i applications.

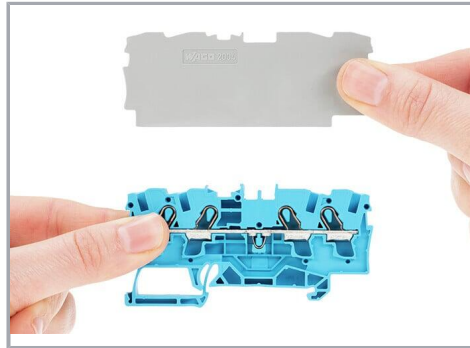
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All through and ground conductor terminal blocks are suitable for Ex e II applications.



#### Separator plate for Ex e/Ex i applications

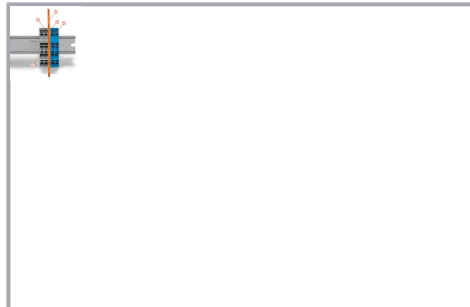
An end plate must be applied to the terminal block located directly behind an Ex e/Ex i separator plate.



#### Ex e II/Ex i terminal strip

##### Note:

The movable feet of terminal blocks and separator plates must face the same direction.



A separator plate is located between the Ex e II and Ex i terminal strip.

End plate

Ex e II terminal blocks

Separator plate for Ex e/Ex i applications

End plate

Ex i terminal blocks

According to EN 50020, a minimum distance of 50 mm must be kept between live parts of Ex e and Ex i circuits. The use of Ex e/Ex i separators is a space-saving solution when Ex e and Ex i terminal blocks are mounted on a common DIN-rail.

## Product family

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#### 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](#)

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