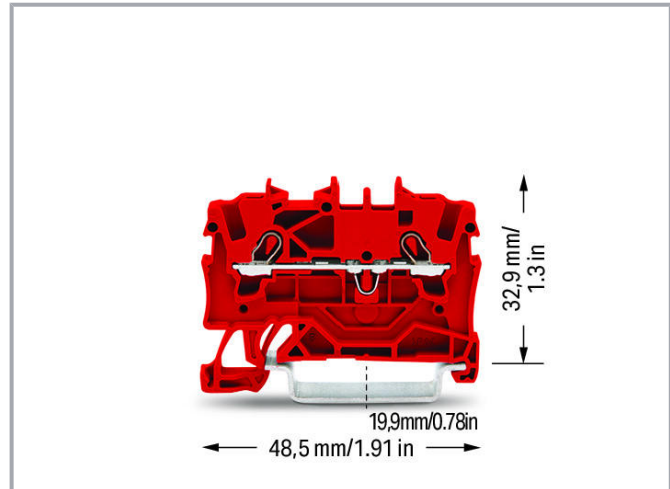


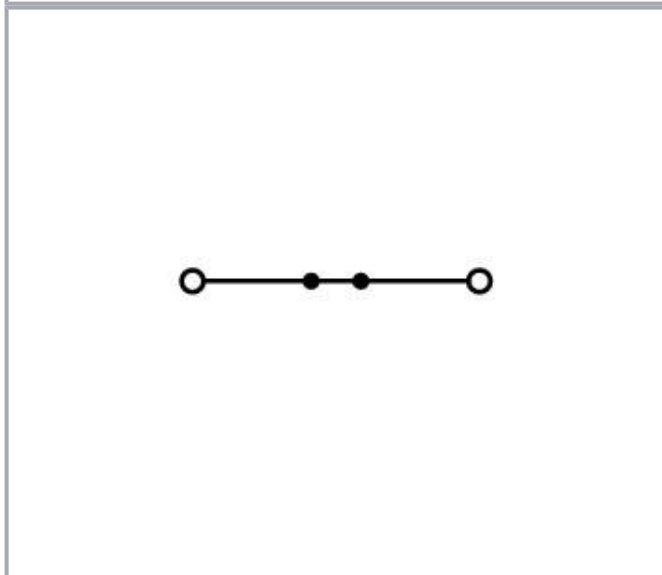
## Data sheet | Item number: 2001-1203

2-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>; red

[www.wago.com/2001-1203](http://www.wago.com/2001-1203)



Color: 



## Data

### Electrical data

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

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## Ratings per IEC/EN

|                             |                                                                      |
|-----------------------------|----------------------------------------------------------------------|
| Ratings per                 | IEC/EN 60947-7-1                                                     |
| Nominal voltage (III/3)     | 800 V                                                                |
| Rated surge voltage (III/3) | 8 kV                                                                 |
| Rated current               | 18 A                                                                 |
| Rated current 2             | 24 A                                                                 |
| Legend (ratings)            | (III / 3) $\triangleq$ Overvoltage category III / Pollution degree 3 |

## Ratings per UL

|                                |         |
|--------------------------------|---------|
| 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                   | C22.2 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

|                                     |                                                               |
|-------------------------------------|---------------------------------------------------------------|
| 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                                                          |

## Connection data

|                                      |                                              |
|--------------------------------------|----------------------------------------------|
| Connection technology                | Push-in CAGE CLAMP®                          |
| 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 |

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



|                                                            |                                                                                                                                   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Fine-stranded conductor                                    | 0.25 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG                                                                                      |
| Fine-stranded conductor; with insulated ferrule            | 0.25 ... 1.5 mm <sup>2</sup> / 22 ... 16 AWG                                                                                      |
| Fine-stranded conductor; with ferrule; push-in termination | 0.75 ... 1.5 mm <sup>2</sup> / 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 inch                                                                                                  |
| Total number of connection points                          | 2                                                                                                                                 |
| Total number of potentials                                 | 1                                                                                                                                 |
| Number of levels                                           | 1                                                                                                                                 |
| Wiring type                                                | Front-entry wiring                                                                                                                |
| Number of jumper slots                                     | 2                                                                                                                                 |

### Physical data

|                                   |                      |
|-----------------------------------|----------------------|
| Width                             | 4.2 mm / 0.165 inch  |
| Height                            | 48.5 mm / 1.909 inch |
| Depth from upper edge of DIN-rail | 32.9 mm / 1.295 inch |

### Mechanical data

|               |                     |
|---------------|---------------------|
| Design        | horizontal type     |
| Mounting type | DIN-35 rail         |
| Marking level | Center/side marking |

### Material data

|                             |                  |
|-----------------------------|------------------|
| Color                       | red              |
| Insulation material         | Polyamide (PA66) |
| Flammability class per UL94 | V0               |
| Fire load                   | 0.074 MJ         |
| Weight                      | 3.8 g            |

### Commercial data

|                       |               |
|-----------------------|---------------|
| Product Group         | 22 (TOPJOB S) |
| Packaging type        | BOX           |
| Country of origin     | DE            |
| GTIN                  | 4045454537364 |
| Customs tariff number | 85369010000   |

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## Approvals / Certificates

## Ex-Approvals

| Logo                                                                             | Approval                                                    | Additional Approval Text | Certificate name                                            |
|----------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------|-------------------------------------------------------------|
|  | <b>ATEX</b><br>Physikalisch Technische Bundesanstalt (PTB)  | EN 60079                 | PTB 05 ATEX 1094<br>U (II 2 G Ex e II bzw. I<br>M 2 Ex e I) |
|  | <b>CCCEX</b><br>CQST/CNEx                                   | CNCA-C23-01              | 2020312313000159                                            |
|  | <b>EAC</b><br>Brjansker Zertifizierungsstelle               | TP TC 012/2011           | RU C-DE.AM02.B.<br>00127/19                                 |
|  | <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)     |

## Country specific Approvals

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

## Ship Approvals

| Logo                                                                               | Approval                                  | Additional Approval Text | Certificate name         |
|------------------------------------------------------------------------------------|-------------------------------------------|--------------------------|--------------------------|
|  | <b>ABS</b><br>American Bureau of Shipping | EN 60947                 | 20-<br>HG1941090-<br>PDA |
|                                                                                    | <b>DNV GL</b>                             | -                        | TAE00001V2               |

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



Det Norske Veritas, Germanischer Lloyd

LR  
Lloyds Register

EN 60947

91/20112  
(E9)

## UL-Approvals

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

## Required accessories

## End plate

|                                                                                   |                                                                         |                                                                    |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------|
|    | Item no.: 2002-1291<br>End and intermediate plate; 0.8 mm thick; gray   | <a href="http://www.wago.com/2002-1291">www.wago.com/2002-1291</a> |
|  | Item no.: 2002-1292<br>End and intermediate plate; 0.8 mm thick; orange | <a href="http://www.wago.com/2002-1292">www.wago.com/2002-1292</a> |

## Optional accessories

## End plate

|                                                                                   |                                                                                            |                                                                    |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
|  | Item no.: 2002-1293<br>Separator plate; 2 mm thick; oversized; gray                        | <a href="http://www.wago.com/2002-1293">www.wago.com/2002-1293</a> |
|  | Item no.: 2002-1294<br>Separator plate; 2 mm thick; oversized; orange                      | <a href="http://www.wago.com/2002-1294">www.wago.com/2002-1294</a> |
|  | Item no.: 209-190<br>Separator for Ex e/Ex i applications; 3 mm thick; 90 mm wide; orange  | <a href="http://www.wago.com/209-190">www.wago.com/209-190</a>     |
|  | Item no.: 209-191<br>Separator for Ex e/Ex i applications; 3 mm thick; 120 mm wide; orange | <a href="http://www.wago.com/209-191">www.wago.com/209-191</a>     |

## Insulation stop

|                                                                                   |                                                                                                |                                                                  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|  | Item no.: 2001-171<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> |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------|

## Ferrule

Item no.: 216-241

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|                                                                                 |                                                                                                                                                                                |                                                                |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | 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                             | <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 mm² / 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 mm² / 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 mm² / 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> |

#### Testing and measuring

|                                                                                   |                                                                                                                                |                                                                  |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|    | <b>Item no.: 2001-511</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 1-pole; 1,50 mm²; gray              | <a href="http://www.wago.com/2001-511">www.wago.com/2001-511</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.: 2001-552</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; 1,50 mm²; gray              | <a href="http://www.wago.com/2001-552">www.wago.com/2001-552</a> |
|    | <b>Item no.: 2001-553</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; 1,50 mm²; gray              | <a href="http://www.wago.com/2001-553">www.wago.com/2001-553</a> |
|   | <b>Item no.: 2001-554</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 1,50 mm²; gray              | <a href="http://www.wago.com/2001-554">www.wago.com/2001-554</a> |
|  | <b>Item no.: 2001-555</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; 1,50 mm²; gray              | <a href="http://www.wago.com/2001-555">www.wago.com/2001-555</a> |
|  | <b>Item no.: 2001-556</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole; 1,50 mm²; 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 mm²; gray              | <a href="http://www.wago.com/2001-557">www.wago.com/2001-557</a> |
|  | <b>Item no.: 2001-558</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole; 1,50 mm²; gray              | <a href="http://www.wago.com/2001-558">www.wago.com/2001-558</a> |
|  | <b>Item no.: 2001-559</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 9-pole; 1,50 mm²; 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 mm²; 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 mm²; 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> |

#### Tool

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

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**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.: 210-648**

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.: 210-719**

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)**Jumpers****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.: 2001-404**

Jumper; 4-way; insulated; light gray

[www.wago.com/2001-404](http://www.wago.com/2001-404)**Item no.: 2001-405**

Jumper; 5-way; insulated; light gray

[www.wago.com/2001-405](http://www.wago.com/2001-405)**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.: 2001-406**

Jumper; 6-way; insulated; light gray

[www.wago.com/2001-406](http://www.wago.com/2001-406)**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.: 2001-407**

Jumper; 7-way; insulated; light gray

[www.wago.com/2001-407](http://www.wago.com/2001-407)**Item no.: 2001-408**

Jumper; 8-way; insulated; light gray

[www.wago.com/2001-408](http://www.wago.com/2001-408)**Item no.: 2001-409**

Jumper; 9-way; insulated; light gray

[www.wago.com/2001-409](http://www.wago.com/2001-409)**Item no.: 2001-410**

Jumper; 10-way; insulated; light gray

[www.wago.com/2001-410](http://www.wago.com/2001-410)**Item no.: 2001-433**

Jumper; from 1 to 3; insulated; light gray

[www.wago.com/2001-433](http://www.wago.com/2001-433)**Item no.: 2001-434**

Jumper; from 1 to 4; insulated; light gray

[www.wago.com/2001-434](http://www.wago.com/2001-434)**Item no.: 2001-435**

Jumper; from 1 to 5; insulated; light gray

[www.wago.com/2001-435](http://www.wago.com/2001-435)

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

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**Item no.: 2001-436**

Jumper; from 1 to 6; insulated; light gray

[www.wago.com/2001-436](http://www.wago.com/2001-436)**Item no.: 2001-437**

Jumper; from 1 to 7; insulated; light gray

[www.wago.com/2001-437](http://www.wago.com/2001-437)**Item no.: 2001-438**

Jumper; from 1 to 8; insulated; light gray

[www.wago.com/2001-438](http://www.wago.com/2001-438)**Item no.: 2001-439**

Jumper; from 1 to 9; insulated; light gray

[www.wago.com/2001-439](http://www.wago.com/2001-439)**Item no.: 2001-440**

Jumper; from 1 to 10; insulated; light gray

[www.wago.com/2001-440](http://www.wago.com/2001-440)**Item no.: 2006-499**

Step-down jumper; insulated; light gray

[www.wago.com/2006-499](http://www.wago.com/2006-499)**Item no.: 210-103**

Wire commoning chain; insulated; black

[www.wago.com/210-103](http://www.wago.com/210-103)**Item no.: 210-123**

Wire commoning chain; insulated; blue

[www.wago.com/210-123](http://www.wago.com/210-123)**Marking accessories****Item no.: 2009-110**

Marking strips; for Smart Printer; 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; 2000 pieces on roll; 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; 2000 pieces on roll; 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; 2000 pieces on roll; 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; 2000 pieces on roll; 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; 2000 pieces on roll; 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; 2000 pieces on roll; 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; 2000 pieces on roll; 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. Please also observe the further product documentation!

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|                                                                                   |                                                                                                                                              |                                                                                  |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|    | <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.: 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; 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; light 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. Please also observe the further product documentation!

|                                                                                   |                                                                                                                                                      |                                                                                  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|    | <b>Item no.: 793-501/000-007</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; gray                                            | <a href="http://www.wago.com/793-501/000-007">www.wago.com/793-501/000-007</a>   |
|    | <b>Item no.: 793-501/000-012</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; orange                                          | <a href="http://www.wago.com/793-501/000-012">www.wago.com/793-501/000-012</a>   |
|    | <b>Item no.: 793-501/000-017</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; light green                                     | <a href="http://www.wago.com/793-501/000-017">www.wago.com/793-501/000-017</a>   |
|    | <b>Item no.: 793-501/000-023</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; green                                           | <a href="http://www.wago.com/793-501/000-023">www.wago.com/793-501/000-023</a>   |
|    | <b>Item no.: 793-501/000-024</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; violet                                          | <a href="http://www.wago.com/793-501/000-024">www.wago.com/793-501/000-024</a>   |
| <b>Push-in type wire jumper</b>                                                   |                                                                                                                                                      |                                                                                  |
|    | <b>Item no.: 2009-412</b><br>Push-in type wire jumper; insulated; 60 mm long; 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; 1.5 mm <sup>2</sup> ; insulated; 110 mm long; black                                           | <a href="http://www.wago.com/2009-414">www.wago.com/2009-414</a>                 |
|  | <b>Item no.: 2009-414/000-005</b><br>Push-in type wire jumper; 1.5 mm <sup>2</sup> ; insulated; 110 mm long; black                                   | <a href="http://www.wago.com/2009-414/000-005">www.wago.com/2009-414/000-005</a> |
|  | <b>Item no.: 2009-414/000-006</b><br>Push-in type wire jumper; insulated; 110 mm long; black                                                         | <a href="http://www.wago.com/2009-414/000-006">www.wago.com/2009-414/000-006</a> |
|  | <b>Item no.: 2009-416</b><br>Push-in type wire jumper; 1.5 mm <sup>2</sup> ; insulated; 250 mm long; black                                           | <a href="http://www.wago.com/2009-416">www.wago.com/2009-416</a>                 |
| <b>Protective warning marker</b>                                                  |                                                                                                                                                      |                                                                                  |
|  | <b>Item no.: 2001-115</b><br>Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow                               | <a href="http://www.wago.com/2001-115">www.wago.com/2001-115</a>                 |
| <b>Carrier rail</b>                                                               |                                                                                                                                                      |                                                                                  |
|  | <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; silver-colored | <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; silver-colored                  | <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; silver-colored                   | <a href="http://www.wago.com/210-114">www.wago.com/210-114</a>                   |

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



|                                                                                 |                                                                                                                                                      |                                                                |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <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; silver-colored | <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; silver-colored                 | <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; silver-colored                     | <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> |

## Downloads

### Documentation

#### Bid Text

|                           |             |                 |          |
|---------------------------|-------------|-----------------|----------|
| 2001-1203<br>docx - Datei | 2018 Aug 2  | docx<br>14.9 kB | Download |
| 2001-1203<br>X81 - Datei  | 2019 Feb 19 | xml<br>4.0 kB   | Download |

#### Additional Information

|                        |            |               |          |
|------------------------|------------|---------------|----------|
| Technical explanations | 2019 Apr 3 | pdf<br>2.2 MB | Download |
|------------------------|------------|---------------|----------|

## CAD/CAE-Data

#### CAD data

|                        |     |          |
|------------------------|-----|----------|
| 2D/3D Models 2001-1203 | URL | Download |
|------------------------|-----|----------|

#### CAE data

|                             |     |          |
|-----------------------------|-----|----------|
| EPLAN Data Portal 2001-1203 | URL | Download |
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 2001-1203

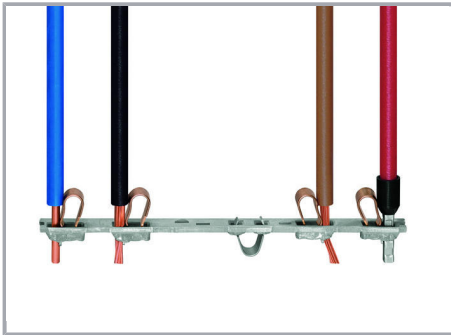
[URL](#)

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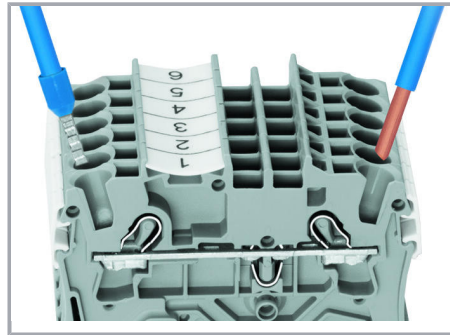
2-conductor through terminal block; 1.5 mm<sup>2</sup>; suitable for Ex e II applications; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 1,50 mm<sup>2</sup>; red

## Installation Notes

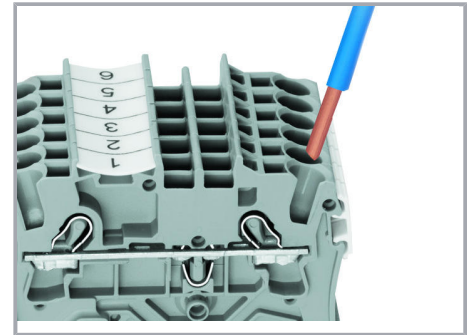
### Inserting a conductor



All conductor types at a glance



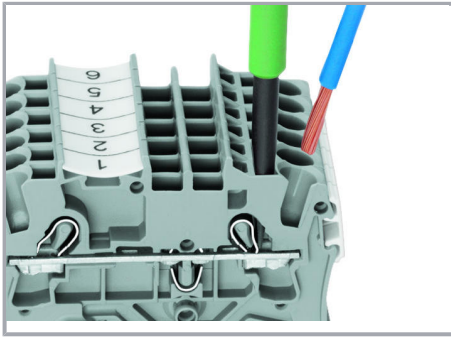
Push-in termination of solid and ferruled conductors



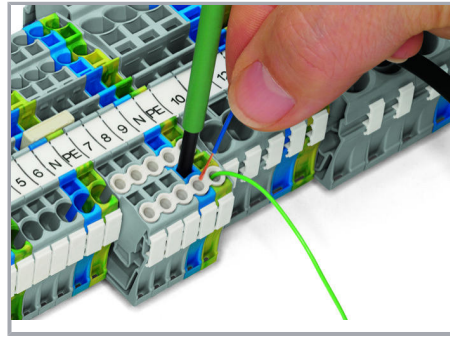
Inserting a conductor via push-in termination:

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.

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



Inserting a conductor via operating tool:



Conductor termination – insulation stop

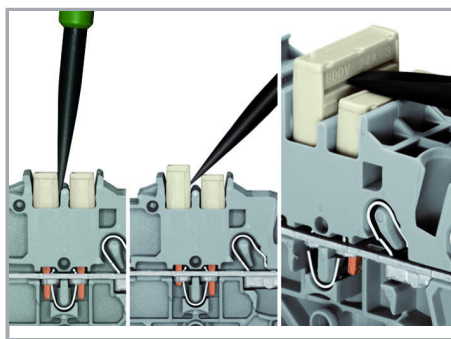
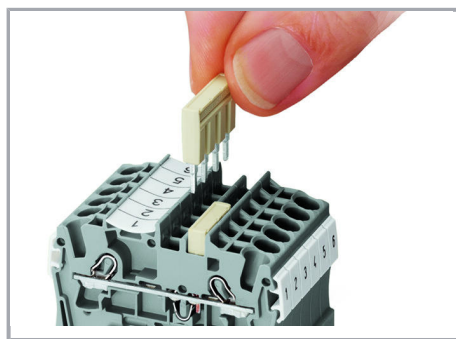
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.

**Advantage:**

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

**Commoning**

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



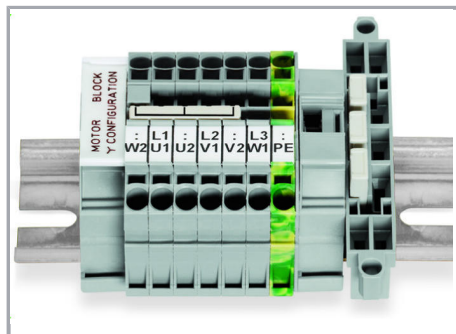
The push-in type jumper bar system is based on the common plug and socket principle. Each terminal block is spring-loaded with a double socket and a resilient CrNi steel spring. The jumper contact material is pure electrolytic copper, which allows for an extremely small design capable of carrying the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

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

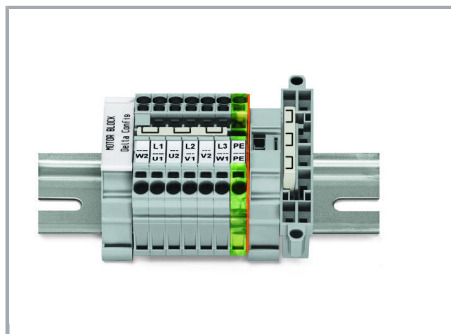
Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper.

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.

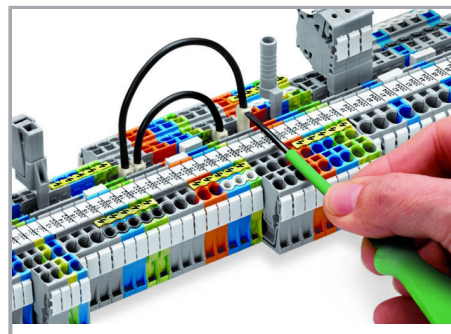
#### Commoning



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



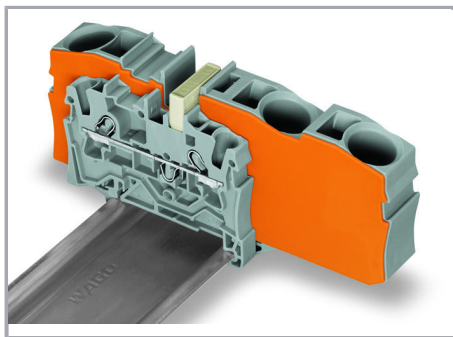
This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with TOPJOB® S rail-mount terminal blocks.



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

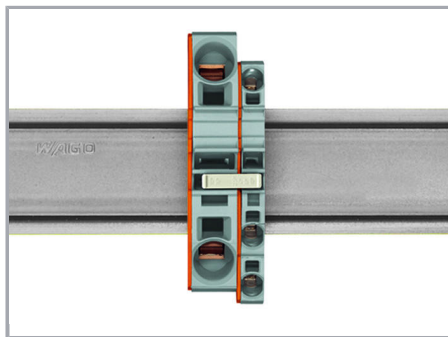
#### Commoning

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

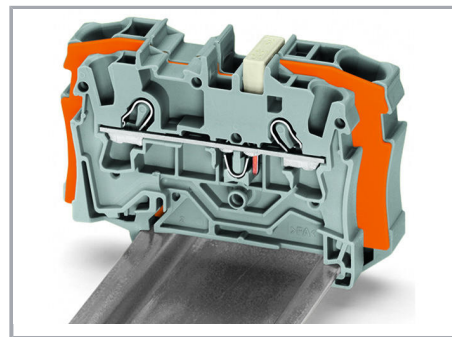


Step-down jumpers common terminal blocks of different sizes, without losing a conductor clamping point. This can be beneficial on long conductor runs where voltage drop can be a problem. A large conductor can be easily connected to smaller conductors at the distribution point.

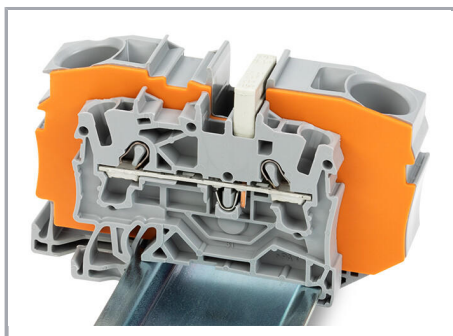
Commoning may be made in either direction using the special thin end plate to cover the open side. Additional through terminal blocks having a smaller cross-section may be commoned using push-in type jumper bars.



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



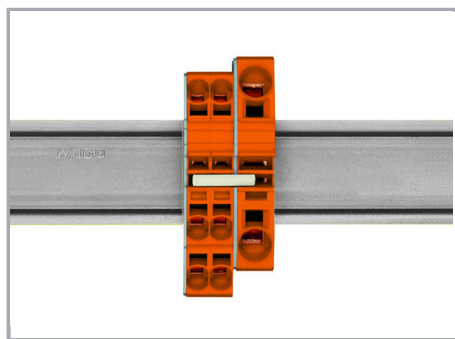
**Step-down jumper (2006-499)** commons 6 /4 mm<sup>2</sup> (10/12 AWG) terminal blocks (2006 /2004 Series) with 4/2.5/1.5 mm<sup>2</sup> (AWG 12/14 /16) terminal blocks (2004/2002/2001 Series).



**Step-down jumper (2016-499)** commons 16 /10 mm<sup>2</sup> (16/8 AWG) terminal blocks (2016 /2010 Series) with 10/6/4/2.5 mm<sup>2</sup> (8/10/12 /14 AWG) terminal blocks (2010/2006/2004 /2002 Series).

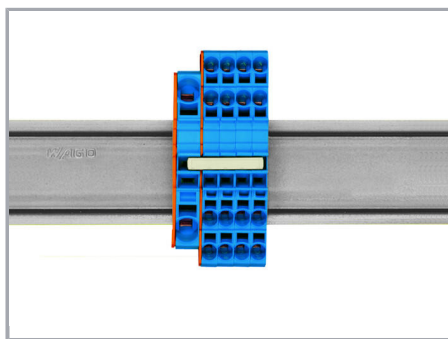
Subject to changes. Please also observe the further product documentation!





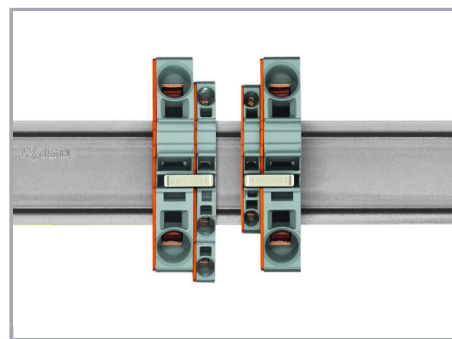
Stepping down via push-in type jumper bar:

Commoning via open terminal side with end plate allows jumpering over two cross-section sizes for 16 mm<sup>2</sup> (6 AWG) and 10 mm<sup>2</sup> (8 AWG) and one cross-section size for 6/4/2.5 mm<sup>2</sup> (10/12/14 AWG). An example: from 16 mm<sup>2</sup> (6 AWG) to 6 mm<sup>2</sup> (10 AWG) (see illustration above) or from 10 mm<sup>2</sup> (8 AWG) to 4 mm<sup>2</sup> (12 AWG).



Stepping down via push-in type jumper bar:

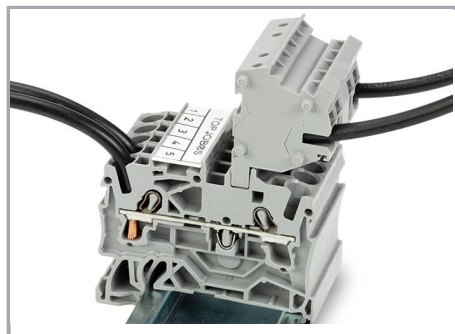
Commoning via closed terminal side with end plate allows jumpering over two cross-section sizes, e.g., from 16 mm<sup>2</sup> (6 AWG) to 6 mm<sup>2</sup> (10 AWG) or from 6 mm<sup>2</sup> (10 AWG) to 2.5 mm<sup>2</sup> (14 AWG) (see illustration above).



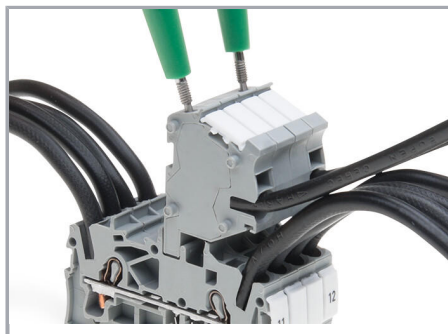
Note:

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

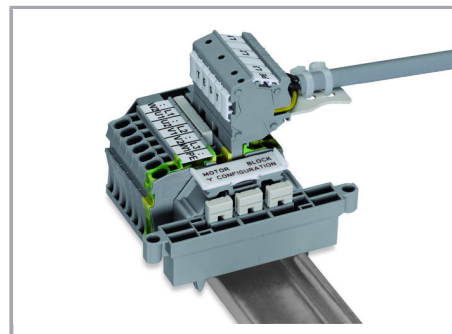
## Testing



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



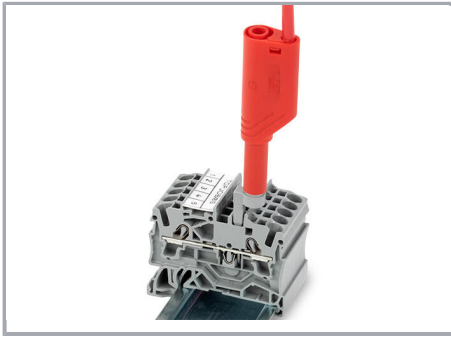
TOPJOB® S Connectors with a 2 mm Ø test socket for testing voltage via 2-pole voltage tester



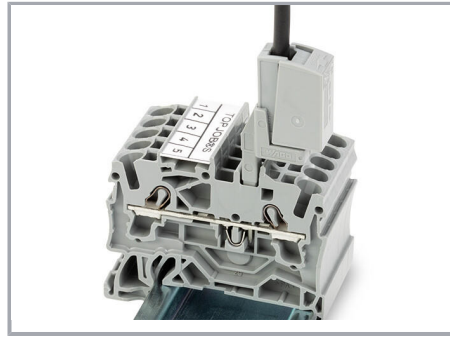
Rail-mount terminal block assembly for electric motor wiring

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



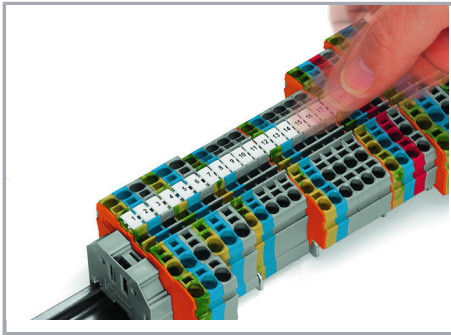


Test plug adapter (2009-174, CAT II) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

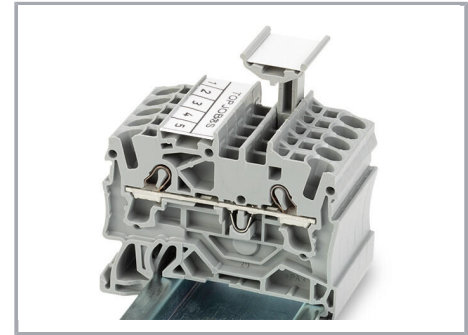
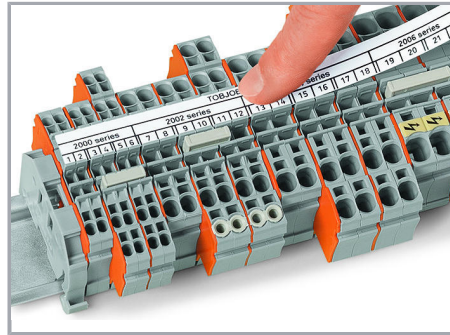


Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

## Marking

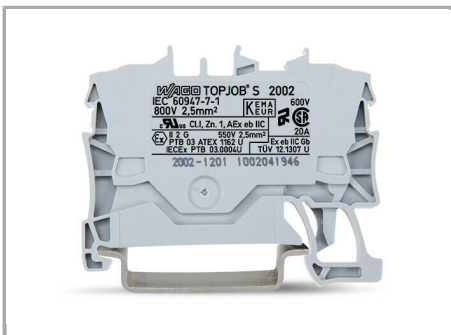


Snapping WMB Inline markers into marker slots.

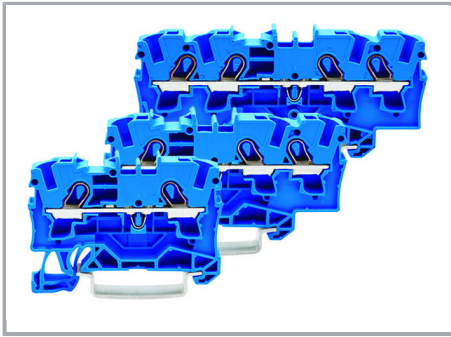


TOPJOB® S 2009-193 Group Marker Carrier (equipped with a marking strip) for all 2001 to 2016 Series TOPJOB® S Rail-Mount Terminal Blocks

Do not use on an end plate!



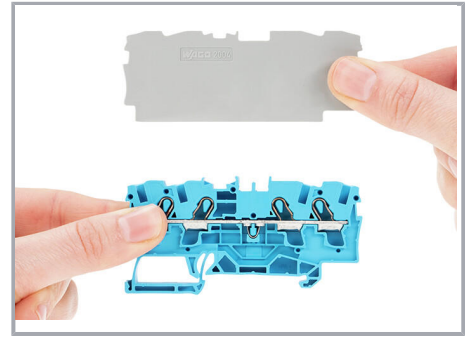
Subject to changes. Please also observe the further product documentation!



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



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.

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

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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

### 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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