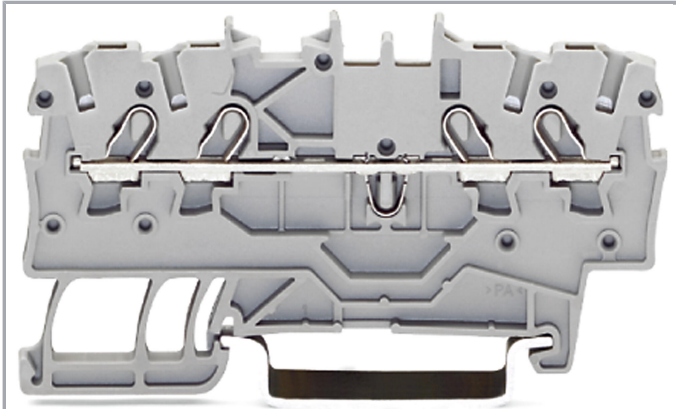


## Data sheet | Item number: 2000-1401

4-conductor through terminal block; 1 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®; 1,00 mm<sup>2</sup>; gray

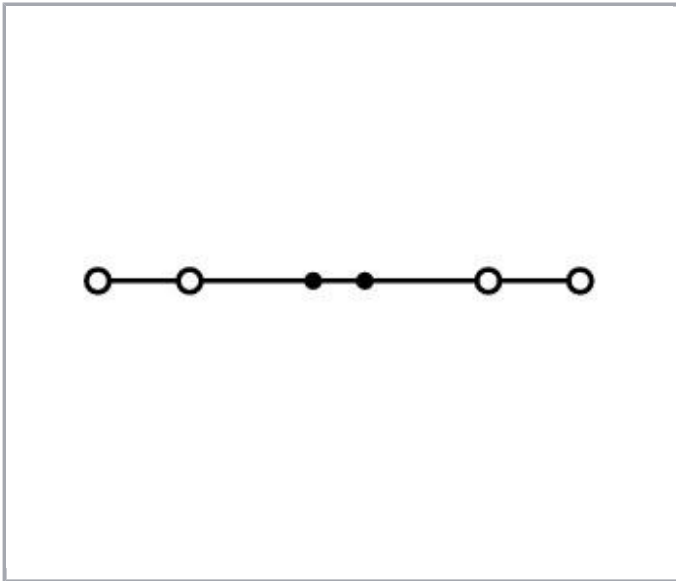
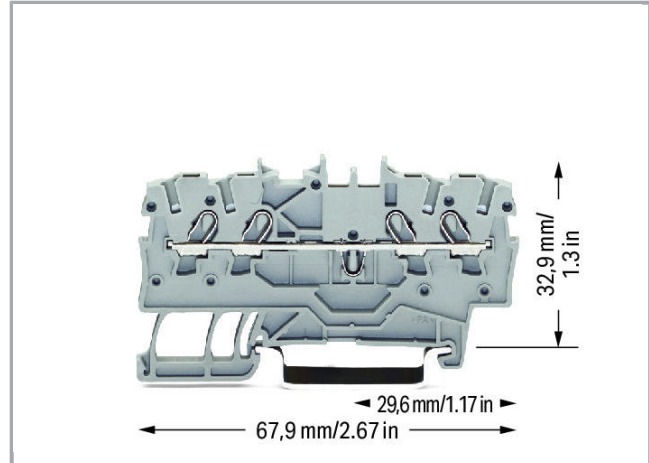
[www.wago.com/2000-1401](http://www.wago.com/2000-1401)



RoHS   
Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color:



### Data

#### Electrical data

Subject to changes.

WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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### Ratings per IEC/EN 60664-1

|                                 |                                                                      |
|---------------------------------|----------------------------------------------------------------------|
| Rated voltage (III / 3)         | 800 V                                                                |
| Rated impulse voltage (III / 3) | 8 kV                                                                 |
| Rated current                   | 13.5 A                                                               |
| Rated current (2)               | 18 A                                                                 |
| Legend (ratings)                | (III / 3) $\triangleq$ Overvoltage category III / Pollution degree 3 |

### 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  |

### Approvals per CSA

|                                 |       |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 600 V |
| Rated current CSA (Use Group B) | 10 A  |
| Rated voltage CSA (Use Group C) | 600 V |
| Rated current CSA (Use Group C) | 10 A  |

### Approvals Ex

|                                     |       |
|-------------------------------------|-------|
| Rated voltage EN (Ex e II)          | 550 V |
| Rated current (Ex e II)             | 13 A  |
| Rated current (Ex e II) with jumper | 12 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 mm²                            |
| Solid conductor                                                 | 0.14 ... 1.5 mm² / 24 ... 16 AWG |
| Solid conductor, push-in termination                            | 0.5 ... 1.5 mm² / 20 ... 16 AWG  |
| Fine-stranded conductor                                         | 0.14 ... 1.5 mm² / 24 ... 16 AWG |
| Fine-stranded conductor with ferrule with plastic collar        | 0.5 ... 0.75 mm² / 20 ... 18 AWG |
| Fine-stranded conductor with ferrule, push-in termination, from | 0.5 ... 0.75 mm² / 20 ... 18 AWG |
| Strip length                                                    | 9 ... 11 mm / 0.35 ... 0.43 inch |

Subject to changes.

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|                                   |                                                                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Total number of connection points | 4                                                                                                                                 |
| Total number of potentials        | 1                                                                                                                                 |
| Number of levels                  | 1                                                                                                                                 |
| Type of wiring                    | Front-entry wiring                                                                                                                |
| Note (conductor cross-section)    | Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination. |
| Number of jumper slots            | 2                                                                                                                                 |

## Geometrical Data

|                                       |                      |
|---------------------------------------|----------------------|
| Width                                 | 3.5 mm / 0.138 inch  |
| Height from upper-edge of DIN-35 rail | 32.9 mm / 1.295 inch |
| Depth                                 | 67.9 mm / 2.673 inch |

## Mechanical data

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

## Material Data

|                     |                      |
|---------------------|----------------------|
| Color               | gray                 |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load           | 0.107 MJ             |
| Weight              | 5.1 g                |

## Commercial data

|                    |               |
|--------------------|---------------|
| Product Group      | 22 (TOPJOB S) |
| Packaging type     | BOX           |
| Country of origin  | CN            |
| GTIN               | 4045454966928 |
| Customs Tariff No. | 85369010000   |

## Approvals / Certificates

### Ex-Approvals

| Logo | Approval                              | Additional Approval Text | Certificate name |
|------|---------------------------------------|--------------------------|------------------|
|      | AEx<br>Underwriters Laboratories Inc. | UL 60079                 | E185892          |

Subject to changes.

**AEx**


ATEX  
Physikalisch Technische Bundesanstalt

EN 60079

PTB 11  
ATEX  
1041 U (II  
2 G Ex e  
IIC GB / I  
M 2 Ex e I  
Mb)

## Country specific Approvals

| Logo                                                                             | Approval                        | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|---------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | EN 60947                 | 71-<br>102841    |
|  | CSA<br>DEKRA Certification B.V. | C22.2 No. 158            | 2130762          |

## Ship Approvals

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

## UL-Approvals

Subject to changes.

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| Logo                                                                             | Approval                            | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|-------------------------------------|--------------------------|------------------|
|  | UL<br>UL International Germany GmbH | UL 1059                  | E45172<br>sec.55 |

## Compatible products

### Marking accessories

|                                                                                    |                                                                                                               |                                                                                  |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|    | <b>Item no.: 2009-110</b><br>Marking strips; on reel; not stretchable; plain; snap-on type; white             | <a href="http://www.wago.com/2009-110">www.wago.com/2009-110</a>                 |
|    | <b>Item no.: 2009-113</b><br>WMB-Inline; for Smart Printer; on reel; plain; snap-on type; white               | <a href="http://www.wago.com/2009-113">www.wago.com/2009-113</a>                 |
|  | <b>Item no.: 2009-113/000-002</b><br>WMB-Inline; for Smart Printer; on reel; plain; snap-on type; yellow      | <a href="http://www.wago.com/2009-113/000-002">www.wago.com/2009-113/000-002</a> |
|  | <b>Item no.: 2009-113/000-005</b><br>WMB-Inline; for Smart Printer; on reel; plain; snap-on type; red         | <a href="http://www.wago.com/2009-113/000-005">www.wago.com/2009-113/000-005</a> |
|  | <b>Item no.: 2009-113/000-006</b><br>WMB-Inline; for Smart Printer; on reel; plain; snap-on type; blue        | <a href="http://www.wago.com/2009-113/000-006">www.wago.com/2009-113/000-006</a> |
|  | <b>Item no.: 2009-113/000-007</b><br>WMB-Inline; for Smart Printer; on reel; plain; snap-on type; gray        | <a href="http://www.wago.com/2009-113/000-007">www.wago.com/2009-113/000-007</a> |
|  | <b>Item no.: 2009-113/000-012</b><br>WMB-Inline; for Smart Printer; on reel; plain; snap-on type; orange      | <a href="http://www.wago.com/2009-113/000-012">www.wago.com/2009-113/000-012</a> |
|  | <b>Item no.: 2009-113/000-017</b><br>WMB-Inline; for Smart Printer; on reel; plain; snap-on type; light green | <a href="http://www.wago.com/2009-113/000-017">www.wago.com/2009-113/000-017</a> |

Subject to changes.

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|                                                                                    |                                                                                                                                                                                            |                                                                                  |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|    | <b>Item no.: 2009-113/000-023</b><br>WMB-Inline; for Smart Printer; on reel; plain; snap-on type; green                                                                                    | <a href="http://www.wago.com/2009-113/000-023">www.wago.com/2009-113/000-023</a> |
|    | <b>Item no.: 2009-113/000-024</b><br>WMB-Inline; for Smart Printer; on reel; plain; snap-on type; violet                                                                                   | <a href="http://www.wago.com/2009-113/000-024">www.wago.com/2009-113/000-024</a> |
|    | <b>Item no.: 2009-191</b><br>Group marker carrier                                                                                                                                          | <a href="http://www.wago.com/2009-191">www.wago.com/2009-191</a>                 |
|    | <b>Item no.: 793-3501</b><br>WMB marking card; as card; plain; snap-on type; white                                                                                                         | <a href="http://www.wago.com/793-3501">www.wago.com/793-3501</a>                 |
| <b>ferrule</b>                                                                     |                                                                                                                                                                                            |                                                                                  |
|    | <b>Item no.: 216-241</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white | <a href="http://www.wago.com/216-241">www.wago.com/216-241</a>                   |
|    | <b>Item no.: 216-242</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | <a href="http://www.wago.com/216-242">www.wago.com/216-242</a>                   |
|    | <b>Item no.: 216-243</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red     | <a href="http://www.wago.com/216-243">www.wago.com/216-243</a>                   |
| <b>Protective Warning Marker</b>                                                   |                                                                                                                                                                                            |                                                                                  |
|   | <b>Item no.: 2000-115</b><br>Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow                                                                     | <a href="http://www.wago.com/2000-115">www.wago.com/2000-115</a>                 |
| <b>tools</b>                                                                       |                                                                                                                                                                                            |                                                                                  |
|  | <b>Item no.: 210-647</b><br>Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft                                                                                          | <a href="http://www.wago.com/210-647">www.wago.com/210-647</a>                   |
|  | <b>Item no.: 210-648</b><br>Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short                                                                           | <a href="http://www.wago.com/210-648">www.wago.com/210-648</a>                   |
|  | <b>Item no.: 210-719</b><br>Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft                                                                                          | <a href="http://www.wago.com/210-719">www.wago.com/210-719</a>                   |
| <b>check</b>                                                                       |                                                                                                                                                                                            |                                                                                  |
|  | <b>Item no.: 2000-510</b><br>TOPJOB®S L-type test plug module; modular; for jumper contact slot; 1,00 mm <sup>2</sup> ; gray                                                               | <a href="http://www.wago.com/2000-510">www.wago.com/2000-510</a>                 |
|  | <b>Item no.: 2000-511</b><br>TOPJOB®S L-type test plug module; modular; for jumper contact slot; 1-pole; 1,00 mm <sup>2</sup> ; gray                                                       | <a href="http://www.wago.com/2000-511">www.wago.com/2000-511</a>                 |
|  | <b>Item no.: 2000-549</b><br>Spacer module; modular; e.g., for bridging commoned terminal blocks; gray                                                                                     | <a href="http://www.wago.com/2000-549">www.wago.com/2000-549</a>                 |
|  | <b>Item no.: 2000-552</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; 1,00 mm <sup>2</sup> ; gray                                                             | <a href="http://www.wago.com/2000-552">www.wago.com/2000-552</a>                 |

Subject to changes.

|                                                                                    |                                                                                                                                             |                                                                                  |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|    | <b>Item no.: 2000-553</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; 1,00 mm <sup>2</sup> ; gray              | <a href="http://www.wago.com/2000-553">www.wago.com/2000-553</a>                 |
|    | <b>Item no.: 2000-554</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 1,00 mm <sup>2</sup> ; gray              | <a href="http://www.wago.com/2000-554">www.wago.com/2000-554</a>                 |
|    | <b>Item no.: 2000-555</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; 1,00 mm <sup>2</sup> ; gray              | <a href="http://www.wago.com/2000-555">www.wago.com/2000-555</a>                 |
|    | <b>Item no.: 2000-556</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole; 1,00 mm <sup>2</sup> ; gray              | <a href="http://www.wago.com/2000-556">www.wago.com/2000-556</a>                 |
|    | <b>Item no.: 2000-557</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole; 1,00 mm <sup>2</sup> ; gray              | <a href="http://www.wago.com/2000-557">www.wago.com/2000-557</a>                 |
|    | <b>Item no.: 2000-558</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole; 1,00 mm <sup>2</sup> ; gray              | <a href="http://www.wago.com/2000-558">www.wago.com/2000-558</a>                 |
|    | <b>Item no.: 2000-559</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 9-pole; 1,00 mm <sup>2</sup> ; gray              | <a href="http://www.wago.com/2000-559">www.wago.com/2000-559</a>                 |
|    | <b>Item no.: 2000-560</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 10-pole; 1,00 mm <sup>2</sup> ; gray             | <a href="http://www.wago.com/2000-560">www.wago.com/2000-560</a>                 |
|    | <b>Item no.: 2009-174</b><br>Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray              | <a href="http://www.wago.com/2009-174">www.wago.com/2009-174</a>                 |
|   | <b>Item no.: 2009-182</b><br>Testing tap; for max. 2.5 mm <sup>2</sup> ; tool-free connection for individual test wires 0.08 - 2.5 mm; gray | <a href="http://www.wago.com/2009-182">www.wago.com/2009-182</a>                 |
|  | <b>Item no.: 210-136</b><br>Test plug; 2 mm Ø; with 500 mm cable; red                                                                       | <a href="http://www.wago.com/210-136">www.wago.com/210-136</a>                   |
|  | <b>Item no.: 210-137</b><br>Test plug; 2.3 mm Ø; with 500 mm cable; yellow                                                                  | <a href="http://www.wago.com/210-137">www.wago.com/210-137</a>                   |
| <b>Jumper</b>                                                                      |                                                                                                                                             |                                                                                  |
|  | <b>Item no.: 2000-402</b><br>Push-in type jumper bar; insulated; 2-way; Nominal current 14 A; light gray                                    | <a href="http://www.wago.com/2000-402">www.wago.com/2000-402</a>                 |
|  | <b>Item no.: 2000-402/000-005</b><br>Push-in type jumper bar; insulated; 2-way; Nominal current 14 A; red                                   | <a href="http://www.wago.com/2000-402/000-005">www.wago.com/2000-402/000-005</a> |
|  | <b>Item no.: 2000-402/000-006</b><br>Push-in type jumper bar; insulated; 2-way; Nominal current 14 A; blue                                  | <a href="http://www.wago.com/2000-402/000-006">www.wago.com/2000-402/000-006</a> |
|  | <b>Item no.: 2000-402/000-018</b><br>Push-in type jumper bar; insulated; 2-way; Nominal current 14 A; yellow-green                          | <a href="http://www.wago.com/2000-402/000-018">www.wago.com/2000-402/000-018</a> |

Subject to changes.

**Item no.: 2000-403**

Push-in type jumper bar; insulated; 3-way; Nominal current 14 A; light gray

[www.wago.com/2000-403](http://www.wago.com/2000-403)**Item no.: 2000-403/000-005**

Push-in type jumper bar; insulated; 3-way; Nominal current 14 A; red

[www.wago.com/2000-403/000-005](http://www.wago.com/2000-403/000-005)**Item no.: 2000-403/000-006**

Push-in type jumper bar; insulated; 3-way; Nominal current 14 A; blue

[www.wago.com/2000-403/000-006](http://www.wago.com/2000-403/000-006)**Item no.: 2000-404**

Push-in type jumper bar; insulated; 4-way; Nominal current 14 A; light gray

[www.wago.com/2000-404](http://www.wago.com/2000-404)**Item no.: 2000-404/000-005**

Push-in type jumper bar; insulated; 4-way; Nominal current 14 A; red

[www.wago.com/2000-404/000-005](http://www.wago.com/2000-404/000-005)**Item no.: 2000-404/000-006**

Push-in type jumper bar; insulated; 4-way; Nominal current 14 A; blue

[www.wago.com/2000-404/000-006](http://www.wago.com/2000-404/000-006)**Item no.: 2000-405**

Push-in type jumper bar; insulated; 5-way; Nominal current 14 A; light gray

[www.wago.com/2000-405](http://www.wago.com/2000-405)**Item no.: 2000-405/000-005**

Push-in type jumper bar; insulated; 5-way; Nominal current 14 A; red

[www.wago.com/2000-405/000-005](http://www.wago.com/2000-405/000-005)**Item no.: 2000-405/000-006**

Push-in type jumper bar; insulated; 5-way; Nominal current 14 A; blue

[www.wago.com/2000-405/000-006](http://www.wago.com/2000-405/000-006)**Item no.: 2000-405/011-000**

Star point jumper; insulated; 3-way (1-3-5); IN = IN terminal block; light gray

[www.wago.com/2000-405/011-000](http://www.wago.com/2000-405/011-000)**Item no.: 2000-406**

Push-in type jumper bar; insulated; 6-way; Nominal current 14 A; light gray

[www.wago.com/2000-406](http://www.wago.com/2000-406)**Item no.: 2000-406/000-005**

Push-in type jumper bar; insulated; 6-way; Nominal current 14 A; red

[www.wago.com/2000-406/000-005](http://www.wago.com/2000-406/000-005)**Item no.: 2000-406/000-006**

Push-in type jumper bar; insulated; 6-way; Nominal current 14 A; blue

[www.wago.com/2000-406/000-006](http://www.wago.com/2000-406/000-006)**Item no.: 2000-406/020-000**

Delta jumper; insulated; 1-2 3-4 5-6; IN = IN terminal block; light gray

[www.wago.com/2000-406/020-000](http://www.wago.com/2000-406/020-000)

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WAGO Kontakttechnik GmbH &amp; Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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**Item no.: 2000-407**

Push-in type jumper bar; insulated; 7-way; Nominal current 14 A; light gray

[www.wago.com/2000-407](http://www.wago.com/2000-407)**Item no.: 2000-407/000-005**

Push-in type jumper bar; insulated; 7-way; Nominal current 14 A; red

[www.wago.com/2000-407/000-005](http://www.wago.com/2000-407/000-005)**Item no.: 2000-407/000-006**

Push-in type jumper bar; insulated; 7-way; Nominal current 14 A; blue

[www.wago.com/2000-407/000-006](http://www.wago.com/2000-407/000-006)**Item no.: 2000-408**

Push-in type jumper bar; insulated; 8-way; Nominal current 14 A; light gray

[www.wago.com/2000-408](http://www.wago.com/2000-408)**Item no.: 2000-408/000-005**

Push-in type jumper bar; insulated; 8-way; Nominal current 14 A; red

[www.wago.com/2000-408/000-005](http://www.wago.com/2000-408/000-005)**Item no.: 2000-408/000-006**

Push-in type jumper bar; insulated; 8-way; Nominal current 14 A; blue

[www.wago.com/2000-408/000-006](http://www.wago.com/2000-408/000-006)**Item no.: 2000-409**

Push-in type jumper bar; insulated; 9-way; Nominal current 14 A; light gray

[www.wago.com/2000-409](http://www.wago.com/2000-409)**Item no.: 2000-409/000-005**

Push-in type jumper bar; insulated; 9-way; Nominal current 14 A; red

[www.wago.com/2000-409/000-005](http://www.wago.com/2000-409/000-005)**Item no.: 2000-409/000-006**

Push-in type jumper bar; insulated; 9-way; Nominal current 14 A; blue

[www.wago.com/2000-409/000-006](http://www.wago.com/2000-409/000-006)**Item no.: 2000-410**

Push-in type jumper bar; insulated; 10-way; Nominal current 14 A; light gray

[www.wago.com/2000-410](http://www.wago.com/2000-410)**Item no.: 2000-410/000-005**

Push-in type jumper bar; insulated; 10-way; Nominal current 14 A; red

[www.wago.com/2000-410/000-005](http://www.wago.com/2000-410/000-005)**Item no.: 2000-410/000-006**

Push-in type jumper bar; insulated; 10-way; Nominal current 14 A; blue

[www.wago.com/2000-410/000-006](http://www.wago.com/2000-410/000-006)**Item no.: 2000-433**

Push-in type jumper bar; insulated; from 1 to 3; Nominal current 14 A; light gray

[www.wago.com/2000-433](http://www.wago.com/2000-433)**Item no.: 2000-433/000-005**

Push-in type jumper bar; insulated; from 1 to 3; Nominal current 14 A; red

[www.wago.com/2000-433/000-005](http://www.wago.com/2000-433/000-005)**Item no.: 2000-433/000-006**

Push-in type jumper bar; insulated; from 1 to 3; Nominal current 14 A; blue

[www.wago.com/2000-433/000-006](http://www.wago.com/2000-433/000-006)

Subject to changes.

WAGO Kontakttechnik GmbH &amp; Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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|                                                                                    |                                                                                                                                                                                                           |                                                                  |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|    | <b>Item no.: 2000-434</b><br>Push-in type jumper bar; insulated; from 1 to 4; Nominal current 14 A; light gray                                                                                            | <a href="http://www.wago.com/2000-434">www.wago.com/2000-434</a> |
|    | <b>Item no.: 2000-435</b><br>Push-in type jumper bar; insulated; from 1 to 5; Nominal current 14 A; light gray                                                                                            | <a href="http://www.wago.com/2000-435">www.wago.com/2000-435</a> |
|    | <b>Item no.: 2000-436</b><br>Push-in type jumper bar; insulated; from 1 to 6; Nominal current 14 A; light gray                                                                                            | <a href="http://www.wago.com/2000-436">www.wago.com/2000-436</a> |
|    | <b>Item no.: 2000-437</b><br>Push-in type jumper bar; insulated; from 1 to 7; Nominal current 14 A; light gray                                                                                            | <a href="http://www.wago.com/2000-437">www.wago.com/2000-437</a> |
|    | <b>Item no.: 2000-438</b><br>Push-in type jumper bar; insulated; from 1 to 8; Nominal current 14 A; light gray                                                                                            | <a href="http://www.wago.com/2000-438">www.wago.com/2000-438</a> |
|    | <b>Item no.: 2000-439</b><br>Push-in type jumper bar; insulated; from 1 to 9; Nominal current 14 A; light gray                                                                                            | <a href="http://www.wago.com/2000-439">www.wago.com/2000-439</a> |
|    | <b>Item no.: 2000-440</b><br>Push-in type jumper bar; insulated; from 1 to 10; Nominal current 14 A; light gray                                                                                           | <a href="http://www.wago.com/2000-440">www.wago.com/2000-440</a> |
|    | <b>Item no.: 2009-402</b><br>Push-in type wire jumper; insulated; wire length 60 mm; Conductor cross section 0.75 mm <sup>2</sup> ; suitable for 2000 and 2020 Series rail-mounted terminal blocks; gray  | <a href="http://www.wago.com/2009-402">www.wago.com/2009-402</a> |
|    | <b>Item no.: 2009-404</b><br>Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 0.75 mm <sup>2</sup> ; suitable for 2000 and 2020 Series rail-mounted terminal blocks; gray | <a href="http://www.wago.com/2009-404">www.wago.com/2009-404</a> |
|  | <b>Item no.: 2009-406</b><br>Push-in type wire jumper; insulated; wire length 250 mm; Conductor cross section 0.75 mm <sup>2</sup> ; suitable for 2000 and 2020 Series rail-mounted terminal blocks; gray | <a href="http://www.wago.com/2009-406">www.wago.com/2009-406</a> |
|  | <b>Item no.: 210-103</b><br>Wire commoning chain; insulated; 50 connections; black                                                                                                                        | <a href="http://www.wago.com/210-103">www.wago.com/210-103</a>   |
|  | <b>Item no.: 210-123</b><br>Wire commoning chain; insulated; 50 connections                                                                                                                               | <a href="http://www.wago.com/210-123">www.wago.com/210-123</a>   |
| <b>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                                                                      | <a href="http://www.wago.com/210-112">www.wago.com/210-112</a>   |
|  | <b>Item no.: 210-113</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715                                                                                       | <a href="http://www.wago.com/210-113">www.wago.com/210-113</a>   |
|  | <b>Item no.: 210-114</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715                                                                                        | <a href="http://www.wago.com/210-114">www.wago.com/210-114</a>   |
|  | <b>Item no.: 210-115</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm                                                                      | <a href="http://www.wago.com/210-115">www.wago.com/210-115</a>   |
|  | <b>Item no.: 210-118</b><br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715                                                                                      | <a href="http://www.wago.com/210-118">www.wago.com/210-118</a>   |

Subject to changes.

**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)

**Item no.: 210-197**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715 [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)

**End plate****Item no.: 2000-1491**

End and intermediate plate; 0.7 mm thick; gray [www.wago.com/2000-1491](http://www.wago.com/2000-1491)

**Item no.: 2000-1492**

End and intermediate plate; 0.7 mm thick; orange [www.wago.com/2000-1492](http://www.wago.com/2000-1492)

**Item no.: 209-191**

Separator for Ex e/Ex i applications; 3 mm thick; 120 mm wide; orange [www.wago.com/209-191](http://www.wago.com/209-191)

**Downloads****Documentation****Bid Text**

|                          |              |               |          |
|--------------------------|--------------|---------------|----------|
| 2000-1401<br>X81 - Datei | Feb 19, 2019 | xml<br>4.0 kB | Download |
|--------------------------|--------------|---------------|----------|

|                           |             |                 |          |
|---------------------------|-------------|-----------------|----------|
| 2000-1401<br>docx - Datei | Aug 7, 2018 | docx<br>14.9 kB | Download |
|---------------------------|-------------|-----------------|----------|

**Additional Information**

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

**CAD/CAE-Data****CAD data**

|                        |     |          |
|------------------------|-----|----------|
| 2D/3D Models 2000-1401 | URL | Download |
|------------------------|-----|----------|

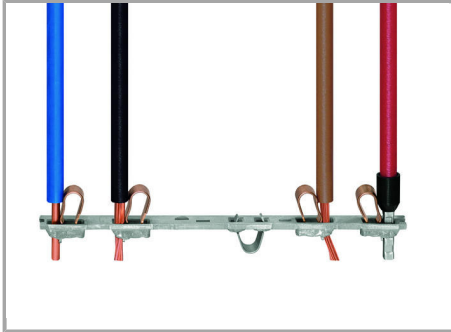
**CAE data**

|                             |          |
|-----------------------------|----------|
| EPLAN Data Portal 2000-1401 | Download |
|-----------------------------|----------|

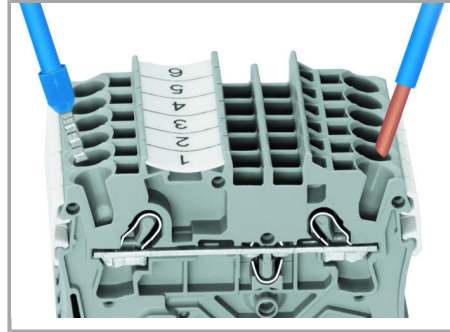
Subject to changes.

## Installation Notes

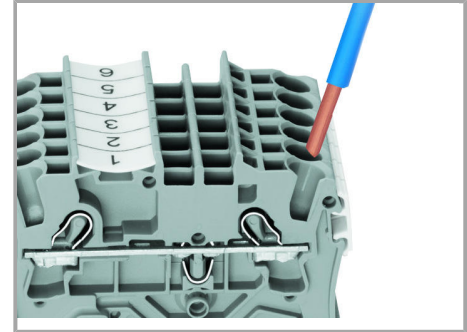
### Inserting a conductor



All conductor types at a glance



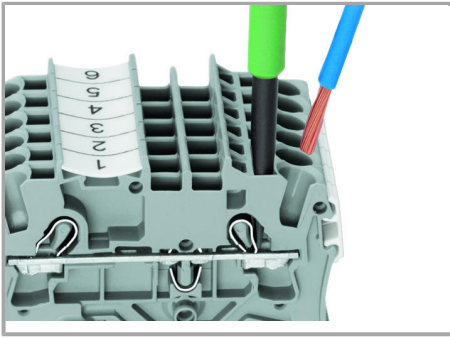
Terminating solid and ferruled conductors via push-in connection.



Inserting conductors via push-in termination.

**Solid conductors** with cross-sections from either one size above, or up to two sizes below, the rated cross-section can be simply pushed in – no tools needed.

Subject to changes.



Inserting a conductor via operating tool.

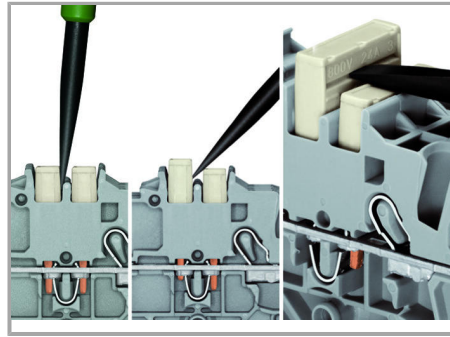
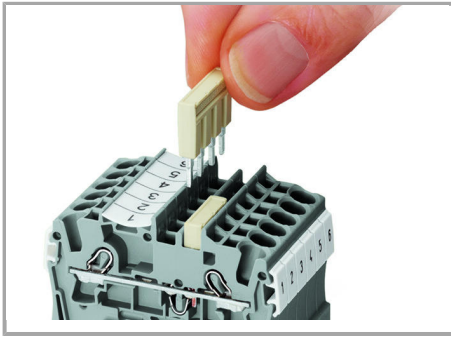
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.

**The smart feature:**

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

**Jumpered**

Subject to changes.



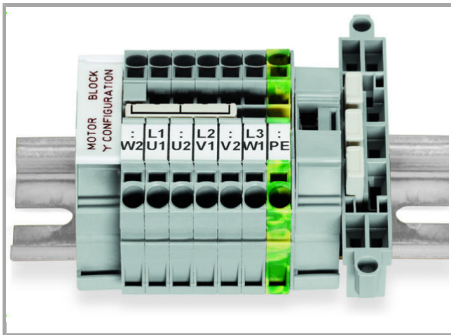
The push-in type jumper bar system is based on the common plug and socket principle. Each terminal block is spring-loaded with a double socket and a resilient CrNi steel spring. The jumper contact material is pure electrolytic copper, which allows for an extremely small design capable of carrying the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

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

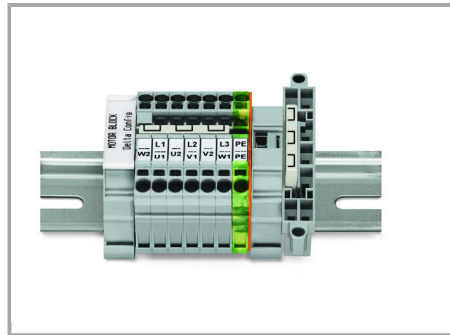
Insert the operating tool between the jumper and the partition wall of the dual jumper slots, then lift up the jumper.

Place the operating tool in the center of jumpers up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.

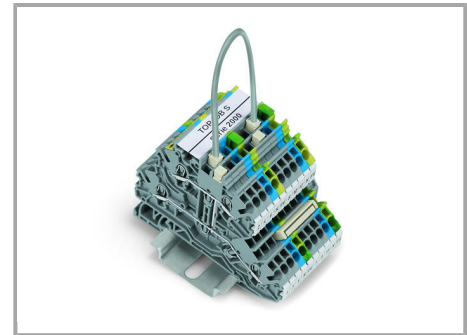
#### Jumpered



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



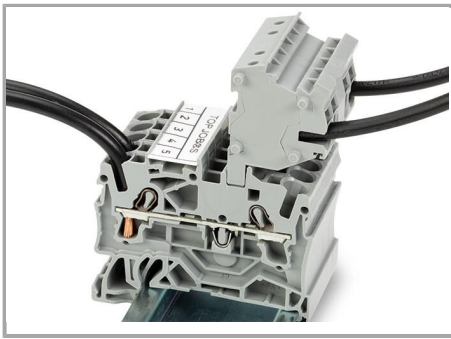
This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with TOPJOB® S rail-mount terminal blocks.



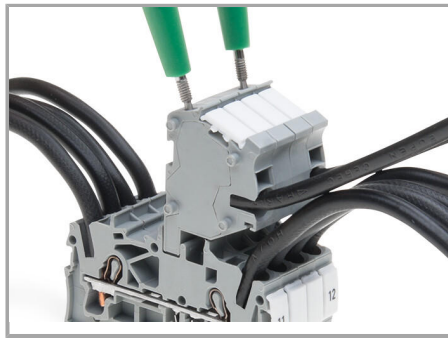
Push down the wire jumper (2009-402) until fully inserted. Lift the jumper with an operating tool for rewiring.

#### Testing

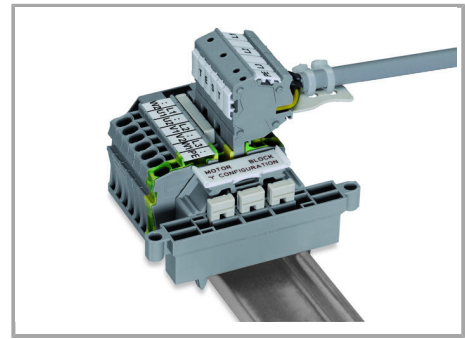
Subject to changes.



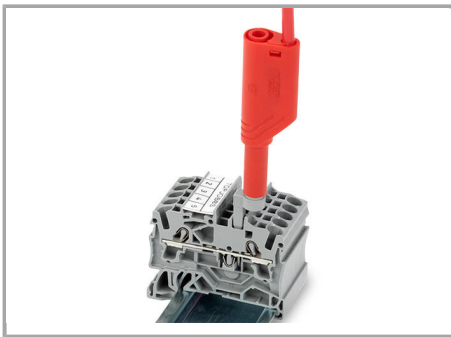
The modular TOPJOB® S connectors also connect conductors of the same size as the terminal blocks being used.



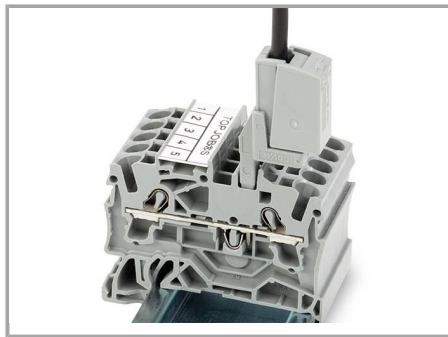
TOPJOB® S Connectors with a 2 mm Ø test socket for testing voltage via 2-pole voltage tester



Rail-mount terminal block assembly for electric motor wiring

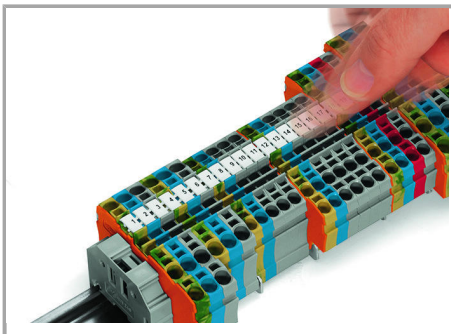


Test plug adapter (2009-174, CAT II) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

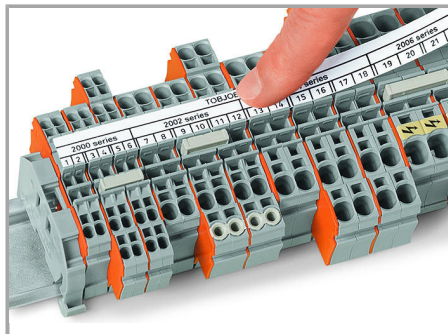


Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

## Marking



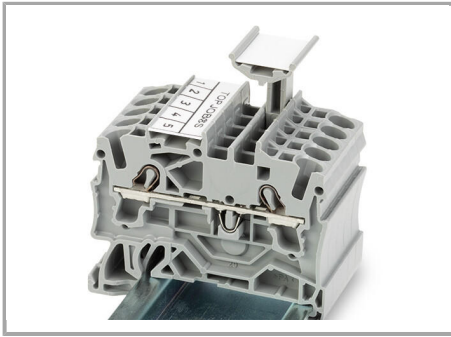
Snapping WMB Inline markers into marker slots.



Subject to changes.

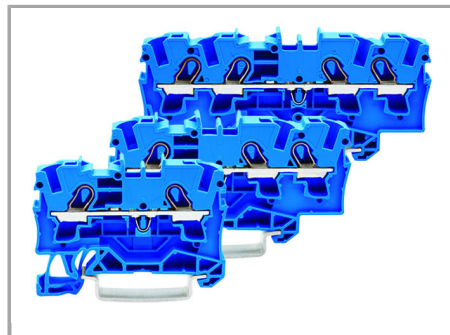
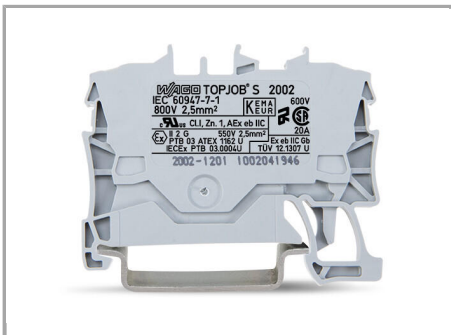
WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
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TOPJOB® S 2009-193 Group Marker Carrier  
(equipped with a marking strip) for all 2001 to  
2016 Series TOPJOB® S Rail-Mount Terminal  
Blocks

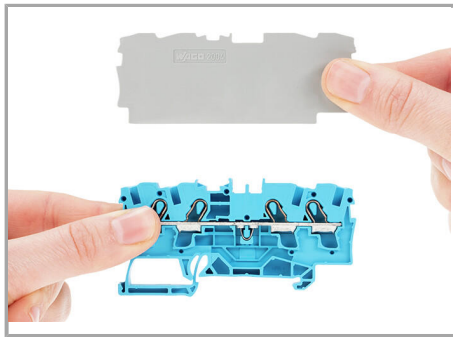
Do not use on an end plate!



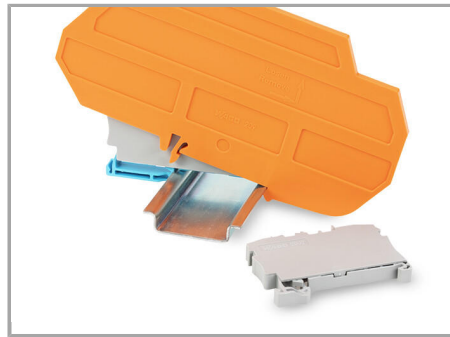
Through terminal blocks with a blue  
insulated housing are suitable for Ex i  
applications.

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

Subject to changes.



Separator for Ex e/Ex applications

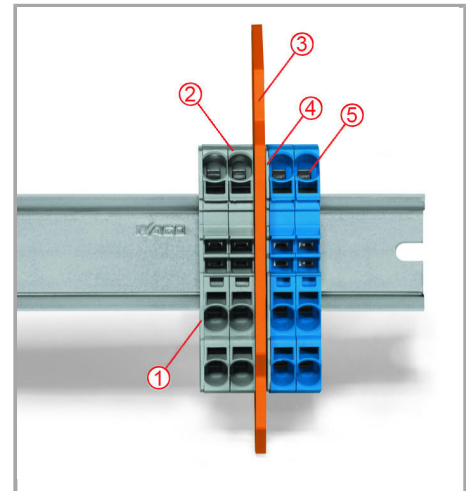


Ex e II/Ex i terminal strip

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

**Notice:**

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



Separator located between Ex e II and Ex i terminal strip

End plate

Ex e II terminal blocks

Separator 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 carrier rail.

**Product family**

TOPJOB® S

Subject to changes.

WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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TOPJOB® S: In various industrial applications and modern building installations, WAGO's wide and versatile range of rail-mount terminal blocks provides more than just reliable electrical connections.

[Show all products from the family](#)

Subject to changes.

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WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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