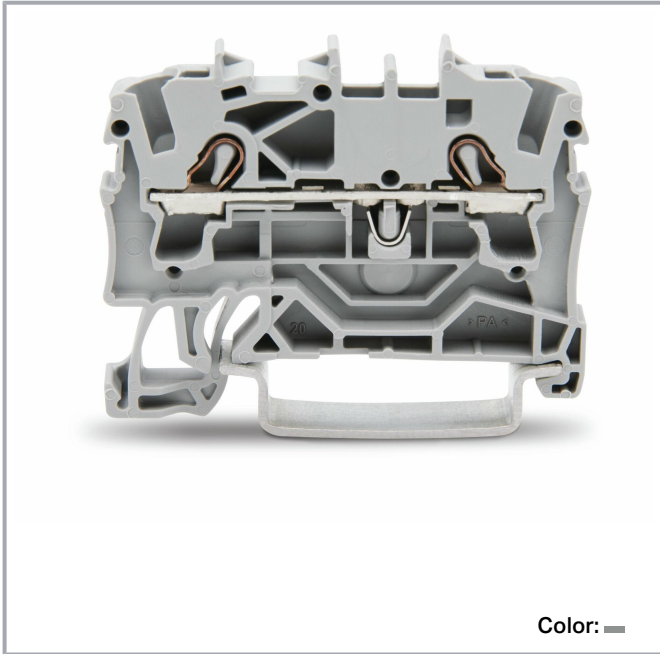


**Data sheet | Item number: 2002-1201**

2-conductor through terminal block; 2.5 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®; 2,50 mm<sup>2</sup>; gray

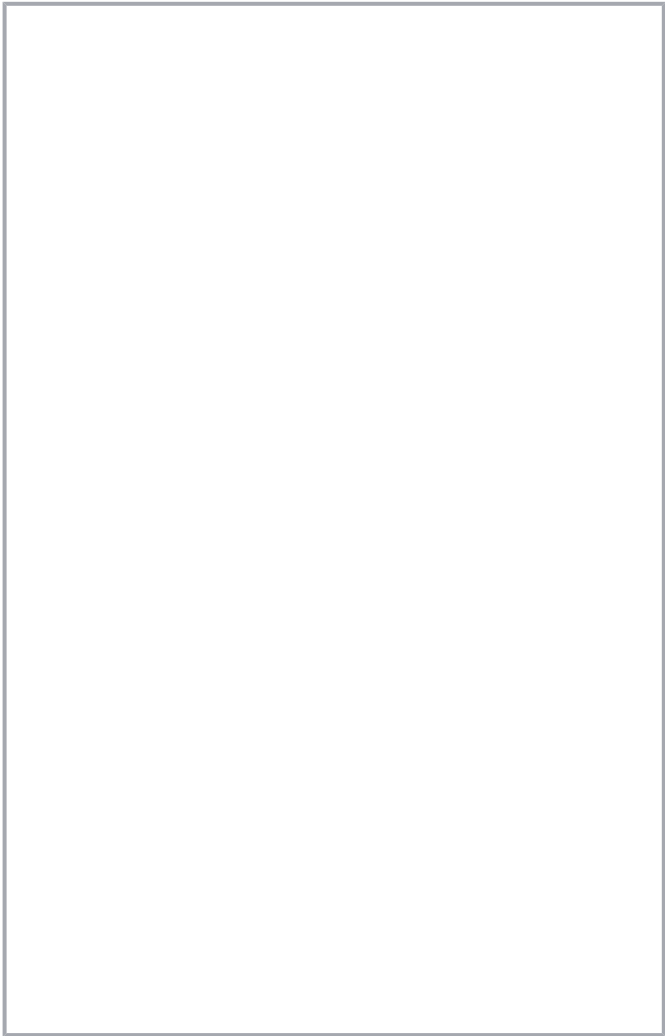
[www.wago.com/2002-1201](http://www.wago.com/2002-1201)



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

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Data  
Electrical data

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               | 24 A                                                      |
| Rated current 2             | 32 A                                                      |
| Legend (ratings)            | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

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## Ratings per UL

|                                |         |
|--------------------------------|---------|
| Approvals per                  | UL 1059 |
| Rated voltage UL (Use Group B) | 600 V   |
| Rated current UL (Use Group B) | 20 A    |
| Rated voltage UL (Use Group C) | 600 V   |
| Rated current UL (Use Group C) | 20 A    |

## Ratings per CSA

|                                 |              |
|---------------------------------|--------------|
| Approvals per                   | C22.2 No 158 |
| Rated voltage CSA (Use Group B) | 600 V        |
| Rated current CSA (Use Group B) | 20 A         |
| Rated voltage CSA (Use Group C) | 600 V        |
| Rated current CSA (Use Group C) | 20 A         |

## Ex information

|                                     |                                                                                                                              |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Ratings per                         | ATEX: PTB 03 ATEX 1162 U / IECEx: PTB 03.0004U (Ex eb IIC Gb)                                                                |
| Rated voltage EN (Ex e II)          | 550 V                                                                                                                        |
| Rated current (Ex e II)             | 22 A                                                                                                                         |
| Rated current (Ex e II) with jumper | 20 A                                                                                                                         |
| Ratings (note)                      | See installation notes in section "Knowledge" and Downloads – Documentation – Additional Information: Technical explanations |

## Connection data

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

## Connection 1

|                                 |                                |
|---------------------------------|--------------------------------|
| Connection technology           | Push-in CAGE CLAMP®            |
| Actuation type                  | Push-in<br>Operating tool      |
| Connectable conductor materials | Copper                         |
| Nominal cross-section           | 2.5 mm²                        |
| Solid conductor                 | 0.25 ... 4 mm² / 22 ... 12 AWG |

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



|                                                            |                                                                                                                                   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Solid conductor; push-in termination                       | 1 ... 4 mm <sup>2</sup> / 18 ... 12 AWG                                                                                           |
| Fine-stranded conductor                                    | 0.25 ... 4 mm <sup>2</sup> / 22 ... 12 AWG                                                                                        |
| Fine-stranded conductor; with insulated ferrule            | 0.25 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG                                                                                      |
| Fine-stranded conductor; with ferrule; push-in termination | 1 ... 2.5 mm <sup>2</sup> / 18 ... 14 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                                               | 10 ... 12 mm / 0.39 ... 0.47 inch                                                                                                 |
| Wiring direction                                           | Front-entry wiring                                                                                                                |

## Physical data

|                                   |                      |
|-----------------------------------|----------------------|
| Width                             | 5.2 mm / 0.205 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

|                             |                                                |
|-----------------------------|------------------------------------------------|
| Note on material data       | Information on material data can be found here |
| Color                       | gray                                           |
| Insulation material         | Polyamide (PA66)                               |
| Flammability class per UL94 | V0                                             |
| Fire load                   | 0.128 MJ                                       |
| Weight                      | 5.1 g                                          |

## Commercial data

|                       |               |
|-----------------------|---------------|
| Product Group         | 22 (TOPJOB S) |
| PU (SPU)              | 100 Each      |
| Packaging type        | box           |
| Country of origin     | DE            |
| GTIN                  | 4017332999168 |
| Customs tariff number | 85369010000   |

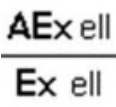
## Approvals / Certificates

### Ex-Approvals

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| Logo                                                                              | Approval                                                   | Additional Approval Text       | Certificate name                                               |
|-----------------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------|----------------------------------------------------------------|
|   | <b>AEx</b><br>Underwriters Laboratories Inc.               | UL 60079                       | E185892 (AEx eb IIC resp. Ex eb IIC)                           |
|   | <b>ATEX</b><br>Physikalisch Technische Bundesanstalt (PTB) | EN 60079                       | PTB 03 ATEX 1162 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb) |
|   | <b>CCCEX</b><br>CQST/CNEx                                  | CNCA-C23-01                    | 2020312313000238                                               |
|   | <b>EAC</b><br>Brjansker Zertifizierungsstelle              | TP TC 012/2011                 | RU C-DE.AM02.B.00127/19 (Ex e IIC Gb U)                        |
|   | <b>IECEX</b><br>Physikalisch Technische Bundesanstalt      | IEC 60079                      | IECEX PTB 03.0004 U (Ex eb IIC Gb or Ex eb I Mb)               |
|  | <b>KTL</b><br>Korea Testing Laboratory                     | EN IEC 60079-0, EN IEC 60079-7 | 19-KA4B0-0921U                                                 |

## Country specific Approvals

| Logo                                                                               | Approval                               | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|----------------------------------------|--------------------------|------------------|
|  | <b>CCA</b><br>DEKRA Certification B.V. | EN 60947                 | 71-107687        |
|  | <b>CCA</b><br>DEKRA Certification B.V. | EN 60947                 | NTR NL 7730      |
|  | <b>CCA</b><br>DEKRA Certification B.V. | C22.2 No. 158            | 1536069          |

## Ship Approvals

Certificate

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

| Logo                                                                              | Approval                                                | Additional Approval Text | name                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------|--------------------------|
|   | <b>ABS</b><br>American Bureau of Shipping               | EN 60947                 | 20-<br>HG1941090-<br>PDA |
|  | <b>BV</b><br>Bureau Veritas S.A.                        | EN 60947                 | 38586/A0 BV              |
|                                                                                   | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE00001V2               |
|  | <b>LR</b><br>Lloyds Register                            | EN 60947                 | 91/20112<br>(E9)         |

#### UL-Approvals

| Logo                                                                             | Approval                                    | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|---------------------------------------------|--------------------------|------------------|
|  | <b>UL</b><br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |

#### Required accessories

##### End plate

End plate

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

##### Tool

Operating tool

|                                                                                   |                                                                                                                                 |                                                                |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 210-658</b><br>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured | <a href="http://www.wago.com/210-658">www.wago.com/210-658</a> |
|  | <b>Item no.: 210-720</b><br>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured                | <a href="http://www.wago.com/210-720">www.wago.com/210-720</a> |

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

## Protective warning marker

Cover

**Item no.: 2002-115**

Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

[www.wago.com/2002-115](http://www.wago.com/2002-115)

## Carrier rail

Mounting accessories

**Item no.: 210-197**

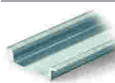
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored

[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.: 210-504**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored

[www.wago.com/210-504](http://www.wago.com/210-504)**Item no.: 210-505**

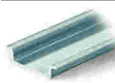
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored

[www.wago.com/210-505](http://www.wago.com/210-505)**Item no.: 210-506**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored

[www.wago.com/210-506](http://www.wago.com/210-506)**Item no.: 210-508**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored

[www.wago.com/210-508](http://www.wago.com/210-508)**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)**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**

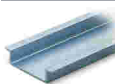
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored

[www.wago.com/210-112](http://www.wago.com/210-112)**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; silver-colored

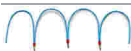
[www.wago.com/210-115](http://www.wago.com/210-115)**Item no.: 210-196**

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)

## Jumpers

Jumper

**Item no.: 210-123**

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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; insulated; light gray

[www.wago.com/2006-499](http://www.wago.com/2006-499)**Item no.: 2002-402**

Jumper; 2-way; insulated; light gray

[www.wago.com/2002-402](http://www.wago.com/2002-402)**Item no.: 2002-402/000-005**

Jumper; 2-way; insulated; red

[www.wago.com/2002-402/000-005](http://www.wago.com/2002-402/000-005)**Item no.: 2002-400**

Continuous jumper; 2-way; insulated; light gray

[www.wago.com/2002-400](http://www.wago.com/2002-400)**Item no.: 2002-403**

Jumper; 3-way; insulated; light gray

[www.wago.com/2002-403](http://www.wago.com/2002-403)**Item no.: 2002-404/000-005**

Jumper; 4-way; insulated; red

[www.wago.com/2002-404/000-005](http://www.wago.com/2002-404/000-005)**Item no.: 2002-403/000-006**

Jumper; 3-way; insulated; blue

[www.wago.com/2002-403/000-006](http://www.wago.com/2002-403/000-006)**Item no.: 2002-404/000-006**

Jumper; 4-way; insulated; blue

[www.wago.com/2002-404/000-006](http://www.wago.com/2002-404/000-006)**Item no.: 2002-403/000-005**

Jumper; 3-way; insulated; red

[www.wago.com/2002-403/000-005](http://www.wago.com/2002-403/000-005)**Item no.: 2002-405/000-005**

Jumper; 5-way; insulated; red

[www.wago.com/2002-405/000-005](http://www.wago.com/2002-405/000-005)**Item no.: 2002-402/000-006**

Jumper; 2-way; insulated; blue

[www.wago.com/2002-402/000-006](http://www.wago.com/2002-402/000-006)**Item no.: 2002-405/000-006**

Jumper; 5-way; insulated; blue

[www.wago.com/2002-405/000-006](http://www.wago.com/2002-405/000-006)**Item no.: 2002-404**

Jumper; 4-way; insulated; light gray

[www.wago.com/2002-404](http://www.wago.com/2002-404)**Item no.: 2002-406/000-006**

Jumper; 6-way; insulated; blue

[www.wago.com/2002-406/000-006](http://www.wago.com/2002-406/000-006)

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**Item no.: 2002-406/000-005**

Jumper; 6-way; insulated; red

[www.wago.com/2002-406/000-005](http://www.wago.com/2002-406/000-005)**Item no.: 2002-406/020-000**

Delta jumper; insulated; light gray

[www.wago.com/2002-406/020-000](http://www.wago.com/2002-406/020-000)**Item no.: 2002-405**

Jumper; 5-way; insulated; light gray

[www.wago.com/2002-405](http://www.wago.com/2002-405)**Item no.: 2002-407/000-005**

Jumper; 7-way; insulated; red

[www.wago.com/2002-407/000-005](http://www.wago.com/2002-407/000-005)**Item no.: 2002-408**

Jumper; 8-way; insulated; light gray

[www.wago.com/2002-408](http://www.wago.com/2002-408)**Item no.: 2002-408/000-006**

Jumper; 8-way; insulated; blue

[www.wago.com/2002-408/000-006](http://www.wago.com/2002-408/000-006)**Item no.: 2002-405/011-000**

Star point jumper; 3-way; insulated; light gray

[www.wago.com/2002-405/011-000](http://www.wago.com/2002-405/011-000)**Item no.: 2002-407/000-006**

Jumper; 7-way; insulated; blue

[www.wago.com/2002-407/000-006](http://www.wago.com/2002-407/000-006)**Item no.: 2002-408/000-005**

Jumper; 8-way; insulated; red

[www.wago.com/2002-408/000-005](http://www.wago.com/2002-408/000-005)**Item no.: 2002-407**

Jumper; 7-way; insulated; light gray

[www.wago.com/2002-407](http://www.wago.com/2002-407)**Item no.: 2002-406**

Jumper; 6-way; insulated; light gray

[www.wago.com/2002-406](http://www.wago.com/2002-406)**Item no.: 2002-410/000-005**

Jumper; 10-way; insulated; red

[www.wago.com/2002-410/000-005](http://www.wago.com/2002-410/000-005)**Item no.: 2002-410/000-006**

Jumper; 10-way; insulated; blue

[www.wago.com/2002-410/000-006](http://www.wago.com/2002-410/000-006)**Item no.: 2002-410**

Jumper; 10-way; insulated; light gray

[www.wago.com/2002-410](http://www.wago.com/2002-410)**Item no.: 2002-409/000-006**

Jumper; 9-way; insulated; blue

[www.wago.com/2002-409/000-006](http://www.wago.com/2002-409/000-006)

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

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|                                                                                    |                                                                                      |                                                                                  |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|                                                                                    | <b>Item no.: 2002-409/000-005</b><br>Jumper; 9-way; insulated; red                   | <a href="http://www.wago.com/2002-409/000-005">www.wago.com/2002-409/000-005</a> |
|     | <b>Item no.: 2002-409</b><br>Jumper; 9-way; insulated; light gray                    | <a href="http://www.wago.com/2002-409">www.wago.com/2002-409</a>                 |
|     | <b>Item no.: 2002-423/000-006</b><br>Continuous jumper; from 1 to 3; insulated; blue | <a href="http://www.wago.com/2002-423/000-006">www.wago.com/2002-423/000-006</a> |
|     | <b>Item no.: 2002-423</b><br>Continuous jumper; from 1 to 3; insulated; light gray   | <a href="http://www.wago.com/2002-423">www.wago.com/2002-423</a>                 |
|                                                                                    | <b>Item no.: 2002-433</b><br>Jumper; from 1 to 3; insulated; light gray              | <a href="http://www.wago.com/2002-433">www.wago.com/2002-433</a>                 |
|                                                                                    | <b>Item no.: 2002-434</b><br>Jumper; from 1 to 4; insulated; light gray              | <a href="http://www.wago.com/2002-434">www.wago.com/2002-434</a>                 |
|     | <b>Item no.: 2002-423/000-005</b><br>Continuous jumper; from 1 to 3; insulated; red  | <a href="http://www.wago.com/2002-423/000-005">www.wago.com/2002-423/000-005</a> |
|                                                                                    | <b>Item no.: 2002-435</b><br>Jumper; from 1 to 5; insulated; light gray              | <a href="http://www.wago.com/2002-435">www.wago.com/2002-435</a>                 |
|                                                                                    | <b>Item no.: 2002-436</b><br>Jumper; from 1 to 6; insulated; light gray              | <a href="http://www.wago.com/2002-436">www.wago.com/2002-436</a>                 |
|                                                                                    | <b>Item no.: 2002-437</b><br>Jumper; from 1 to 7; insulated; light gray              | <a href="http://www.wago.com/2002-437">www.wago.com/2002-437</a>                 |
|                                                                                    | <b>Item no.: 2002-438</b><br>Jumper; from 1 to 8; insulated; light gray              | <a href="http://www.wago.com/2002-438">www.wago.com/2002-438</a>                 |
|                                                                                    | <b>Item no.: 2002-439</b><br>Jumper; from 1 to 9; insulated; light gray              | <a href="http://www.wago.com/2002-439">www.wago.com/2002-439</a>                 |
|                                                                                    | <b>Item no.: 2002-440</b><br>Jumper; from 1 to 10; insulated; light gray             | <a href="http://www.wago.com/2002-440">www.wago.com/2002-440</a>                 |
|   | <b>Item no.: 2002-472</b><br>Staggered jumper; 2-way; insulated; light gray          | <a href="http://www.wago.com/2002-472">www.wago.com/2002-472</a>                 |
|   | <b>Item no.: 2002-473</b><br>Staggered jumper; 3-way; insulated; light gray          | <a href="http://www.wago.com/2002-473">www.wago.com/2002-473</a>                 |
|  | <b>Item no.: 2002-475/011-000</b><br>Staggered jumper; 3-way; insulated; light gray  | <a href="http://www.wago.com/2002-475/011-000">www.wago.com/2002-475/011-000</a> |
|   | <b>Item no.: 2002-475</b><br>Staggered jumper; 5-way; insulated; light gray          | <a href="http://www.wago.com/2002-475">www.wago.com/2002-475</a>                 |

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

|                                                                                    |                                                                                                                    |                                                                                  |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|    | <b>Item no.: 2002-476</b><br>Staggered jumper; 6-way; insulated; light gray                                        | <a href="http://www.wago.com/2002-476">www.wago.com/2002-476</a>                 |
|     | <b>Item no.: 2002-474</b><br>Staggered jumper; 4-way; insulated; light gray                                        | <a href="http://www.wago.com/2002-474">www.wago.com/2002-474</a>                 |
|    | <b>Item no.: 2002-477</b><br>Staggered jumper; 7-way; insulated; light gray                                        | <a href="http://www.wago.com/2002-477">www.wago.com/2002-477</a>                 |
|    | <b>Item no.: 2002-473/011-000</b><br>Staggered jumper; 2-way; from 1 to 3; insulated; light gray                   | <a href="http://www.wago.com/2002-473/011-000">www.wago.com/2002-473/011-000</a> |
|    | <b>Item no.: 2002-479</b><br>Staggered jumper; 9-way; insulated; light gray                                        | <a href="http://www.wago.com/2002-479">www.wago.com/2002-479</a>                 |
|                                                                                    | <b>Item no.: 2002-478</b><br>Staggered jumper; 8-way; insulated; light gray                                        | <a href="http://www.wago.com/2002-478">www.wago.com/2002-478</a>                 |
|    | <b>Item no.: 2002-479/011-000</b><br>Staggered jumper; insulated; light gray                                       | <a href="http://www.wago.com/2002-479/011-000">www.wago.com/2002-479/011-000</a> |
|   | <b>Item no.: 2002-480</b><br>Staggered jumper; 10-way; insulated; light gray                                       | <a href="http://www.wago.com/2002-480">www.wago.com/2002-480</a>                 |
|  | <b>Item no.: 2002-477/011-000</b><br>Staggered jumper; insulated; light gray                                       | <a href="http://www.wago.com/2002-477/011-000">www.wago.com/2002-477/011-000</a> |
|  | <b>Item no.: 2002-481/011-000</b><br>Staggered jumper; insulated; light gray                                       | <a href="http://www.wago.com/2002-481/011-000">www.wago.com/2002-481/011-000</a> |
|  | <b>Item no.: 2002-481</b><br>Staggered jumper; 11-way; insulated; light gray                                       | <a href="http://www.wago.com/2002-481">www.wago.com/2002-481</a>                 |
|  | <b>Item no.: 2002-482</b><br>Staggered jumper; 12-way; insulated; light gray                                       | <a href="http://www.wago.com/2002-482">www.wago.com/2002-482</a>                 |
|                                                                                    | <b>Item no.: 2016-499</b><br>Step-down jumper; from 2016/2010 to 2010/2006/2004/2002 series; insulated; light gray | <a href="http://www.wago.com/2016-499">www.wago.com/2016-499</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>                   |
| <b>Push-in type wire jumper</b>                                                    |                                                                                                                    |                                                                                  |
| Jumper                                                                             |                                                                                                                    |                                                                                  |
|  | <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>                 |

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



**Item no.: 2009-414**  
Push-in type wire jumper; 1.5 mm²; insulated; 110 mm long; black

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



**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)

## End plate

### End plate



**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)



**Item no.: 209-190**  
Separator for Ex e/Ex i applications; 3 mm thick; 90 mm wide; orange

[www.wago.com/209-190](http://www.wago.com/209-190)

**Item no.: 2002-1294**  
Seperator plate; 2 mm thick; oversized; orange

[www.wago.com/2002-1294](http://www.wago.com/2002-1294)

**Item no.: 2002-1293**  
Seperator plate; 2 mm thick; oversized; gray

[www.wago.com/2002-1293](http://www.wago.com/2002-1293)

## 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)



**Item no.: 216-263**  
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/216-263](http://www.wago.com/216-263)



**Item no.: 216-246**  
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

[www.wago.com/216-246](http://www.wago.com/216-246)



**Item no.: 216-266**  
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

[www.wago.com/216-266](http://www.wago.com/216-266)

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

crimped; acc. to DIN 46228, Part 4/09.90; blue

**Item no.: 216-264**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

[www.wago.com/216-264](http://www.wago.com/216-264)

**Item no.: 216-262**

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

[www.wago.com/216-262](http://www.wago.com/216-262)

**Testing and measuring**

## Testing accessories

**Item no.: 2009-174**

Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray

[www.wago.com/2009-174](http://www.wago.com/2009-174)

**Item no.: 2009-182**

Testing tap; for max. 2.5 mm<sup>2</sup>; tool-free connection for individual test wires 0.08 - 2.5 mm; gray

[www.wago.com/2009-182](http://www.wago.com/2009-182)

**Item no.: 2002-511**

Modular TOPJOB®S connector; modular; for jumper contact slot; 1-pole; 2,50 mm<sup>2</sup>; gray

[www.wago.com/2002-511](http://www.wago.com/2002-511)

**Item no.: 2002-549**

Spacer module; modular; e.g., for bridging commoned terminal blocks; gray

[www.wago.com/2002-549](http://www.wago.com/2002-549)

**Item no.: 2002-552**

Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; 2,50 mm<sup>2</sup>; gray

[www.wago.com/2002-552](http://www.wago.com/2002-552)

**Item no.: 2002-558**

Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole; 2,50 mm<sup>2</sup>; gray

[www.wago.com/2002-558](http://www.wago.com/2002-558)

**Item no.: 2002-559**

Modular TOPJOB®S connector; modular; for jumper contact slot; 9-pole; 2,50 mm<sup>2</sup>; gray

[www.wago.com/2002-559](http://www.wago.com/2002-559)

**Item no.: 2002-556**

Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole; 2,50 mm<sup>2</sup>; gray

[www.wago.com/2002-556](http://www.wago.com/2002-556)

**Item no.: 2002-553**

Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; 2,50 mm<sup>2</sup>; gray

[www.wago.com/2002-553](http://www.wago.com/2002-553)

**Item no.: 2002-611**

TOPJOB®S L-type test plug module; modular; 1-pole; 2,50 mm<sup>2</sup>; gray

[www.wago.com/2002-611](http://www.wago.com/2002-611)

**Item no.: 2002-560**

Modular TOPJOB®S connector; modular; for jumper contact slot; 10-pole; 2,50 mm<sup>2</sup>; gray

[www.wago.com/2002-560](http://www.wago.com/2002-560)

**Item no.: 2002-554**

Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 2,50 mm<sup>2</sup>; gray

[www.wago.com/2002-554](http://www.wago.com/2002-554)

**Item no.: 2002-555**

Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; 2,50 mm<sup>2</sup>; gray

[www.wago.com/2002-555](http://www.wago.com/2002-555)

**Item no.: 2002-557**

Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole; 2,50 mm<sup>2</sup>; gray

[www.wago.com/2002-557](http://www.wago.com/2002-557)

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

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**Item no.: 2002-649**

TOPJOB®S L-type spacer module; modular; e.g., for bridging commoned terminal blocks; gray

[www.wago.com/2002-649](http://www.wago.com/2002-649)**Insulation stop**

## Insulation stop

**Item no.: 2002-171**Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip; light gray[www.wago.com/2002-171](http://www.wago.com/2002-171)**Item no.: 2002-172**Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/strip; dark gray[www.wago.com/2002-172](http://www.wago.com/2002-172)**Mounting**

## Mounting accessories

**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)**Item no.: 709-169**

Cover carrier; Type 3; gray

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

## Marking strip

**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)

## Marker carrier

**Item no.: 2009-198**

Adaptor; gray

[www.wago.com/2009-198](http://www.wago.com/2009-198)**Item no.: 2002-161**

Adaptor; gray

[www.wago.com/2002-161](http://www.wago.com/2002-161)

## Marker

**Item no.: 2009-115/000-002**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

[www.wago.com/2009-115/000-002](http://www.wago.com/2009-115/000-002)**Item no.: 2009-115/000-007**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray

[www.wago.com/2009-115/000-007](http://www.wago.com/2009-115/000-007)**Item no.: 2009-115/000-017**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green

[www.wago.com/2009-115/000-017](http://www.wago.com/2009-115/000-017)**Item no.: 2009-115/000-023**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green

[www.wago.com/2009-115/000-023](http://www.wago.com/2009-115/000-023)

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

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**Item no.: 2009-115/000-024**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

[www.wago.com/2009-115/000-024](http://www.wago.com/2009-115/000-024)**Item no.: 2009-145/000-006**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

[www.wago.com/2009-145/000-006](http://www.wago.com/2009-145/000-006)**Item no.: 2009-145**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/2009-145](http://www.wago.com/2009-145)**Item no.: 2009-145/000-002**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

[www.wago.com/2009-145/000-002](http://www.wago.com/2009-145/000-002)**Item no.: 2009-145/000-007**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray

[www.wago.com/2009-145/000-007](http://www.wago.com/2009-145/000-007)**Item no.: 2009-145/000-005**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red

[www.wago.com/2009-145/000-005](http://www.wago.com/2009-145/000-005)**Item no.: 2009-145/000-012**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

[www.wago.com/2009-145/000-012](http://www.wago.com/2009-145/000-012)**Item no.: 2009-145/000-023**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green

[www.wago.com/2009-145/000-023](http://www.wago.com/2009-145/000-023)**Item no.: 2009-145/000-024**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

[www.wago.com/2009-145/000-024](http://www.wago.com/2009-145/000-024)**Item no.: 2009-115**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/2009-115](http://www.wago.com/2009-115)**Item no.: 248-501/000-006**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue

[www.wago.com/248-501/000-006](http://www.wago.com/248-501/000-006)**Item no.: 248-501/000-007**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray

[www.wago.com/248-501/000-007](http://www.wago.com/248-501/000-007)**Item no.: 248-501/000-002**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

[www.wago.com/248-501/000-002](http://www.wago.com/248-501/000-002)

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

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**Item no.: 248-501/000-012**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange

[www.wago.com/248-501/000-012](http://www.wago.com/248-501/000-012)



**Item no.: 248-501**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

[www.wago.com/248-501](http://www.wago.com/248-501)



**Item no.: 248-501/000-017**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green

[www.wago.com/248-501/000-017](http://www.wago.com/248-501/000-017)



**Item no.: 248-501/000-005**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red

[www.wago.com/248-501/000-005](http://www.wago.com/248-501/000-005)



**Item no.: 248-501/000-024**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet

[www.wago.com/248-501/000-024](http://www.wago.com/248-501/000-024)



**Item no.: 248-501/000-023**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green

[www.wago.com/248-501/000-023](http://www.wago.com/248-501/000-023)



**Item no.: 793-5501/000-007**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray

[www.wago.com/793-5501/000-007](http://www.wago.com/793-5501/000-007)



**Item no.: 793-5501/000-012**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange

[www.wago.com/793-5501/000-012](http://www.wago.com/793-5501/000-012)



**Item no.: 793-5501/000-014**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown

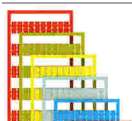
[www.wago.com/793-5501/000-014](http://www.wago.com/793-5501/000-014)



**Item no.: 793-5501/000-017**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green

[www.wago.com/793-5501/000-017](http://www.wago.com/793-5501/000-017)



**Item no.: 793-5501/000-023**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green

[www.wago.com/793-5501/000-023](http://www.wago.com/793-5501/000-023)

**Item no.: 793-5501/000-024**

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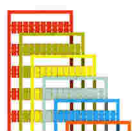
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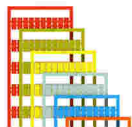
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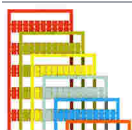
We are always happy to take your call at +49 (571) 887-44222.



WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet [www.wago.com/793-5501/000-024](http://www.wago.com/793-5501/000-024)



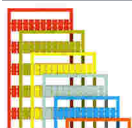
Item no.: 793-501/000-002 [www.wago.com/793-501/000-002](http://www.wago.com/793-501/000-002)  
WMB marking card; as card; not stretchable; plain; snap-on type; yellow



Item no.: 793-501/000-007 [www.wago.com/793-501/000-007](http://www.wago.com/793-501/000-007)  
WMB marking card; as card; not stretchable; plain; snap-on type; gray



Item no.: 793-501/000-017 [www.wago.com/793-501/000-017](http://www.wago.com/793-501/000-017)  
WMB marking card; as card; not stretchable; plain; snap-on type; light green



Item no.: 793-501/000-012 [www.wago.com/793-501/000-012](http://www.wago.com/793-501/000-012)  
WMB marking card; as card; not stretchable; plain; snap-on type; orange



Item no.: 793-501/000-023 [www.wago.com/793-501/000-023](http://www.wago.com/793-501/000-023)  
WMB marking card; as card; not stretchable; plain; snap-on type; green



Item no.: 793-501/000-006 [www.wago.com/793-501/000-006](http://www.wago.com/793-501/000-006)  
WMB marking card; as card; not stretchable; plain; snap-on type; blue



Item no.: 793-501/000-005 [www.wago.com/793-501/000-005](http://www.wago.com/793-501/000-005)  
WMB marking card; as card; not stretchable; plain; snap-on type; red



Item no.: 793-501 [www.wago.com/793-501](http://www.wago.com/793-501)  
WMB marking card; as card; not stretchable; plain; snap-on type; white

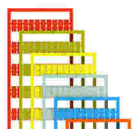


Item no.: 793-501/000-024 [www.wago.com/793-501/000-024](http://www.wago.com/793-501/000-024)  
WMB marking card; as card; not stretchable; plain; snap-on type; violet

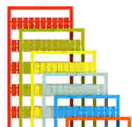


Item no.: 793-5501/000-005 [www.wago.com/793-5501/000-005](http://www.wago.com/793-5501/000-005)  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red

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

**Item no.: 793-5501/000-002**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

[www.wago.com/793-5501/000-002](http://www.wago.com/793-5501/000-002)**Item no.: 793-5501/000-006**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue

[www.wago.com/793-5501/000-006](http://www.wago.com/793-5501/000-006)**Item no.: 793-5501**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/793-5501](http://www.wago.com/793-5501)**Item no.: 2009-115/000-012**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

[www.wago.com/2009-115/000-012](http://www.wago.com/2009-115/000-012)**Item no.: 2009-115/000-006**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

[www.wago.com/2009-115/000-006](http://www.wago.com/2009-115/000-006)**Item no.: 2009-115/000-005**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red

[www.wago.com/2009-115/000-005](http://www.wago.com/2009-115/000-005)**Group marker carrier****Item no.: 2009-193**

Group marker carrier; gray

[www.wago.com/2009-193](http://www.wago.com/2009-193)**Item no.: 2009-192**

Group marker carrier; gray

[www.wago.com/2009-192](http://www.wago.com/2009-192)**Item no.: 2009-191**

Group marker carrier; gray

[www.wago.com/2009-191](http://www.wago.com/2009-191)**Plugs****Diode plug****Item no.: 2002-880/1000-411**

Component plug; 2-pole; with diode 1N4007; 10.4 mm wide; Operating temperature 85°C max.; gray

[www.wago.com/2002-880/1000-411](http://www.wago.com/2002-880/1000-411)**LED plug****Item no.: 2002-880/1000-541**

Component plug; 2-pole; LED (red); 10.4 mm wide; Operating temperature 85°C max.; gray

[www.wago.com/2002-880/1000-541](http://www.wago.com/2002-880/1000-541)**Item no.: 2002-880/1000-542**

Component plug; 2-pole; LED (red); 10.4 mm wide; Operating temperature 85°C max.; multicoloured

[www.wago.com/2002-880/1000-542](http://www.wago.com/2002-880/1000-542)

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

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Item no.: 2002-880/1000-836

Component plug; 2-pole; LED (red); 10.4 mm wide; Operating temperature 85°C max.; gray

[www.wago.com/2002-880/1000-836](http://www.wago.com/2002-880/1000-836)

Empty component plug housing



Item no.: 2002-880

Empty component plug housing; 10.4 mm wide; 2-pole; Type 4; gray

[www.wago.com/2002-880](http://www.wago.com/2002-880)

## Downloads

### Documentation

#### Bid Text

|                          |              |               |          |
|--------------------------|--------------|---------------|----------|
| 2002-1201<br>X81 - Datei | Apr 29, 2019 | xml<br>4.2 kB | Download |
|--------------------------|--------------|---------------|----------|

|                           |              |                 |          |
|---------------------------|--------------|-----------------|----------|
| 2002-1201<br>docx - Datei | Apr 23, 2019 | docx<br>15.0 kB | Download |
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#### Additional Information

|                                             |  |               |          |
|---------------------------------------------|--|---------------|----------|
| Technical Section<br>Technical explanations |  | pdf<br>2.2 MB | Download |
|---------------------------------------------|--|---------------|----------|

## CAD/CAE-Data

### CAE data

|                             |     |          |
|-----------------------------|-----|----------|
| EPLAN Data Portal 2002-1201 | URL | Download |
|-----------------------------|-----|----------|

|                        |     |          |
|------------------------|-----|----------|
| ZUKEN Portal 2002-1201 | URL | Download |
|------------------------|-----|----------|

|                          |     |          |
|--------------------------|-----|----------|
| WSCAD Universe 2002-1201 | URL | Download |
|--------------------------|-----|----------|

### CAD data

|                        |     |          |
|------------------------|-----|----------|
| 2D/3D Models 2002-1201 | URL | Download |
|------------------------|-----|----------|

## Environmental Product Compliance

### Compliance Search

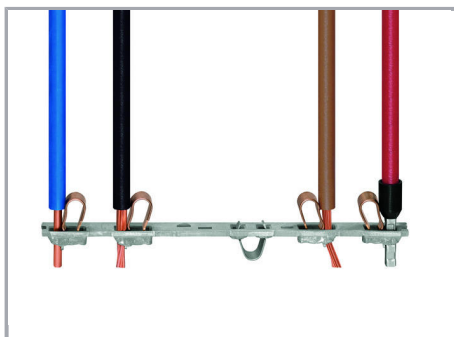
|                                            |     |          |
|--------------------------------------------|-----|----------|
| Environmental Product Compliance 2002-1201 | URL | Download |
|--------------------------------------------|-----|----------|

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

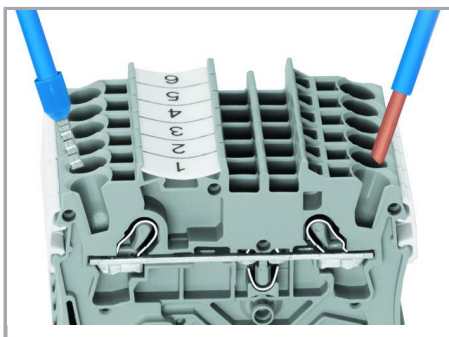
2-conductor through terminal block; 2.5 mm<sup>2</sup>; suitable for Ex e II applications; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray

## Installation Notes

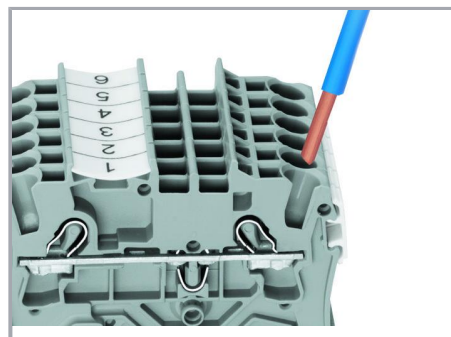
### Conductor termination



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:**

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:**

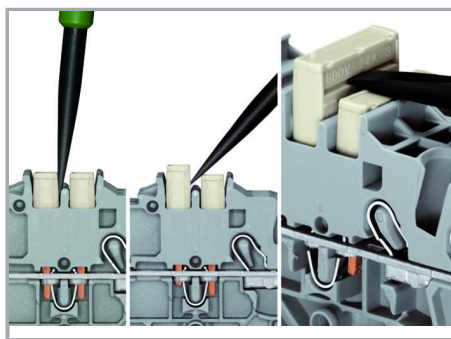
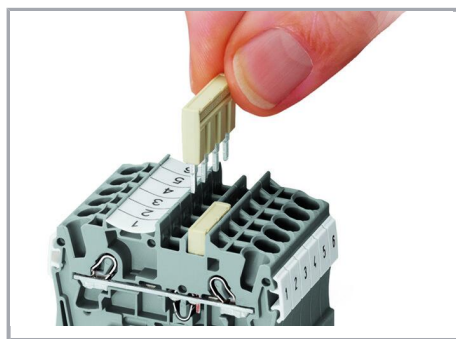
To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees for easier wiring.



**Conductor termination – insulation stop**

**Commoning**

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



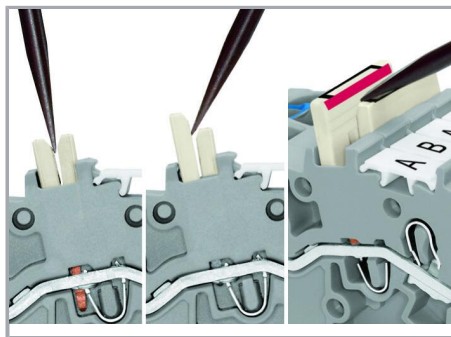
The push-in type jumper bar system is based on the common plug and socket principle. Each terminal block is spring-loaded with a double socket and a resilient CrNi steel spring. The jumper contact material is pure electrolytic copper, which allows for an extremely small design capable of carrying the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



Orient the staggered jumpers' red stripes on the inside.

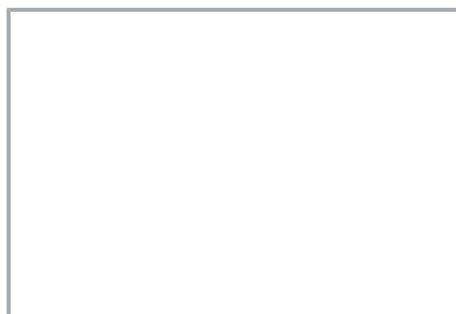
Insert the staggered jumper and push down until it hits the backstop.

#### Removing a staggered jumper:

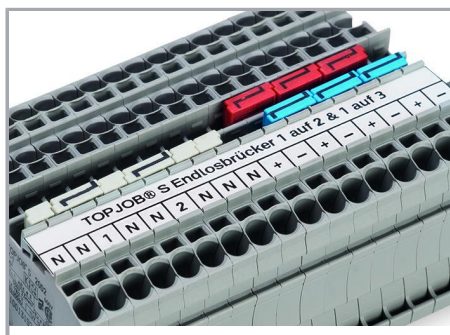
Insert the operating tool between the staggered jumpers, then lift up the jumper.

#### Commoning

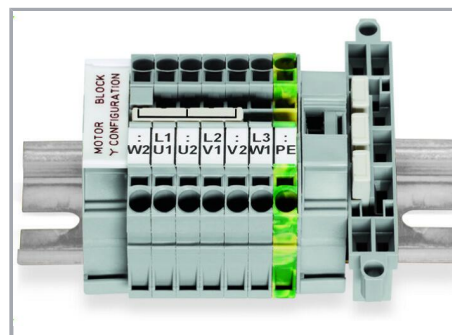
Subject to changes. Please also observe the further product documentation!



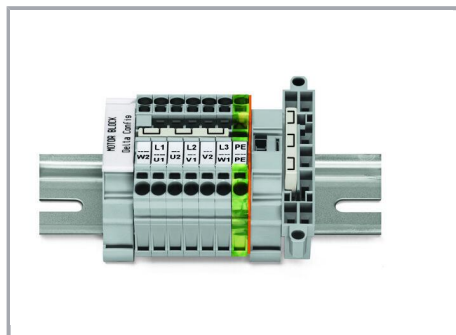
Continuous jumpers (2002 Series) readily connect an endless number of terminal blocks to each other via single jumper slot. Use the second jumper slot for additional commoning or testing.



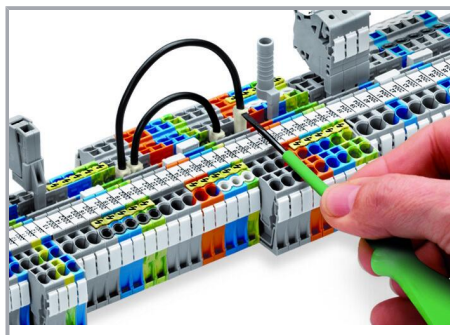
The 1-to-3 adjacent jumper for continuous commoning enables every other terminal block to be commoned. For example, positive and negative potentials can be accommodated alongside each other.



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!

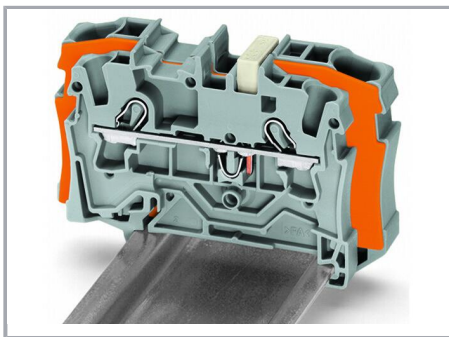


Step-down jumpers common terminal blocks of different sizes, without losing a conductor clamping point. This can be beneficial on long conductor runs where voltage drop can be a problem. A large conductor can be easily connected to smaller conductors at the distribution point.

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.

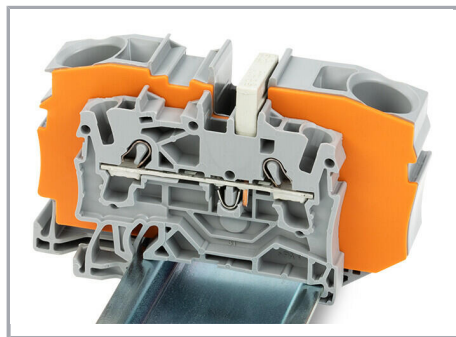


Using **step-down jumpers**, an end plate must be inserted between the terminal blocks to be commoned.



**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).

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



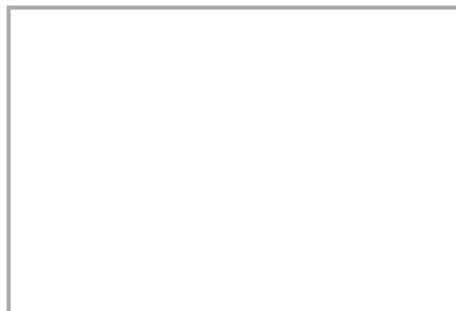
**Step-down jumper (2016-499)** commons 16 /10 mm<sup>2</sup> (16/8 AWG) terminal blocks (2016 /2010 Series) with 10/6/4/2.5 mm<sup>2</sup> (8/10/12 /14 AWG) terminal blocks (2010/2006/2004 /2002 Series).

#### 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

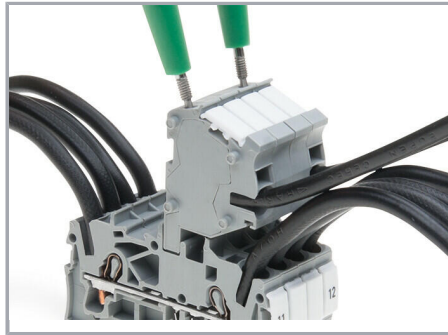
Subject to changes. Please also observe the further product documentation!

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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



L-type test plug module – cross-sectional view of contacts

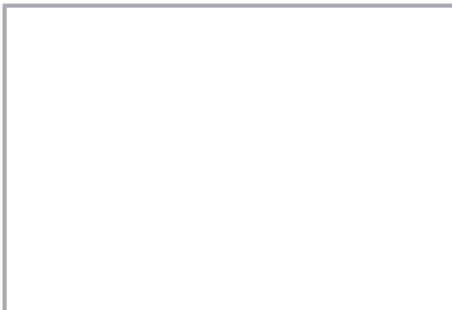


Test plug adapter (2009-174, CAT I) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

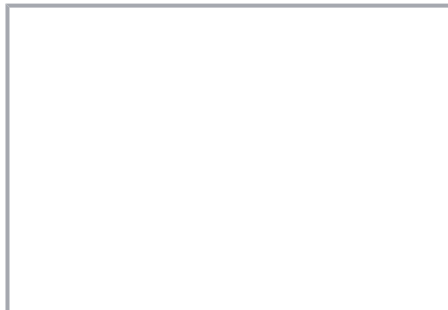


Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

## Marking



Snapping WMB Inline markers into marker slots.



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

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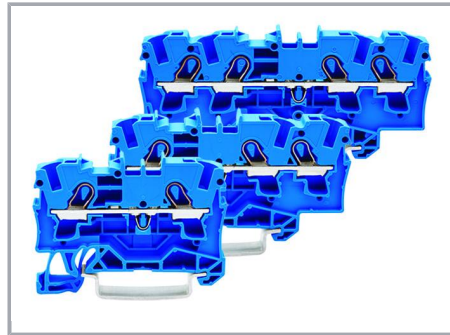
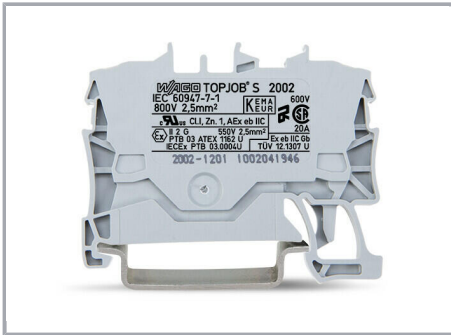


TOPJOB® S 2009-193 Group Marker Carrier (equipped with a marking strip) for all 2001 to 2016 Series TOPJOB® S Rail-Mount Terminal Blocks

Using marker carriers for marking strips (2002-161) in jumper slots.

Do not use on an end plate!

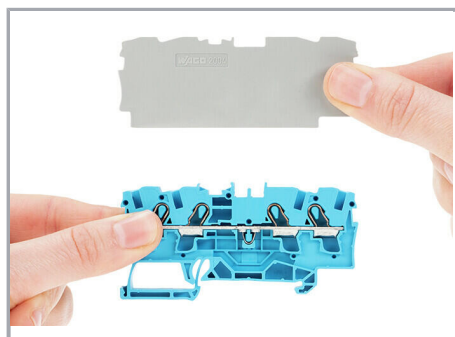
### Ex application



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. Please also observe the further product documentation!



**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

### TOPJOB® S

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

[Show all products from the family](#)

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