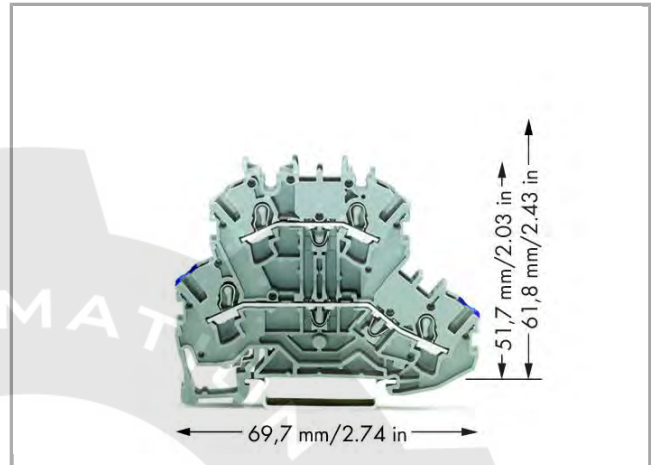
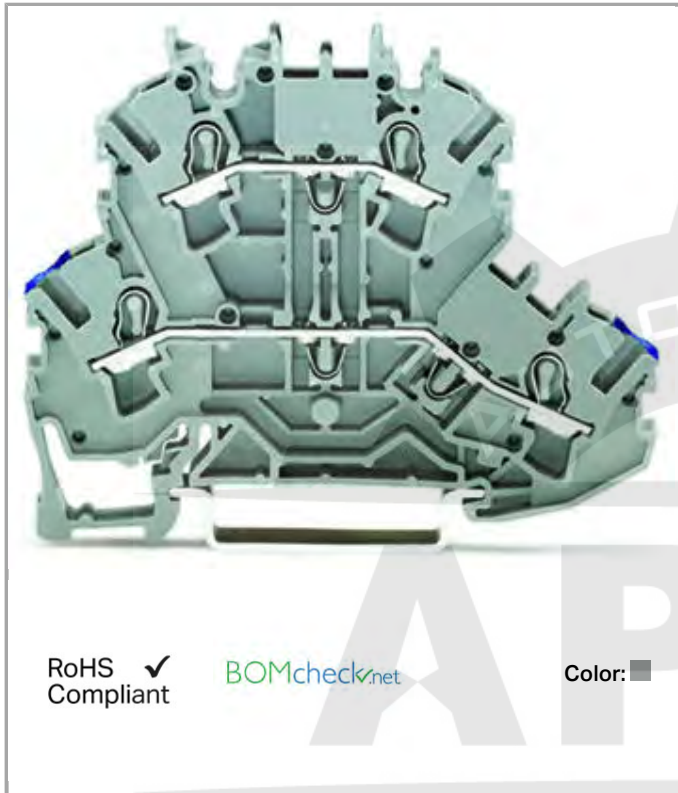


## Data sheet | Item number: 2002-2202

Double-deck terminal block; Through/through terminal block; N/L; without marker carrier; suitable for Ex e II applications; Blue conductor entry lower deck; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®



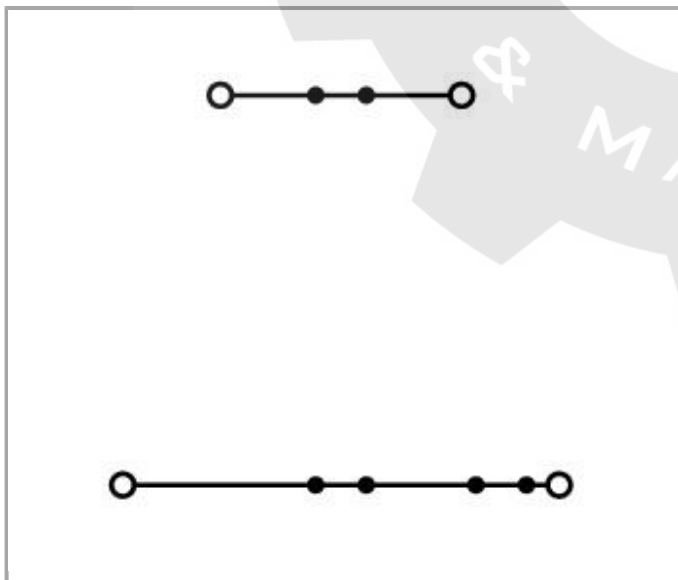
2002-2202



RoHS   
Compliant

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

Color:



Data  
Electrical data

|                                     |       |
|-------------------------------------|-------|
| Rated voltage EN (Ex e II)          | 440 V |
| Rated current (Ex e II)             | 20 A  |
| Rated current (Ex e II) with jumper | 18 A  |

#### Ratings per IEC/EN 60664-1

|                                 |       |
|---------------------------------|-------|
| Rated voltage (III / 3)         | 500 V |
| Rated impulse voltage (III / 3) | 6 kV  |
| Rated current                   | 24 A  |
| Rated current (2)               | 28 A  |

#### Approvals per UL 1059

|                                |       |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 20 A  |
| Rated voltage UL (Use Group C) | 300 V |
| Rated current UL (Use Group C) | 20 A  |
| Rated voltage UL (Use Group D) | 600 V |
| Rated current UL (Use Group D) | 5 A   |

#### Approvals per CSA

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

#### Connection data

|                                               |                                                                                                                                   |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Connection technology                         | Push-in CAGE CLAMP®                                                                                                               |
| Number of connection points (connection type) | 2                                                                                                                                 |
| Actuation type                                | Push-in<br>Open Tool Slot                                                                                                         |
| Connectable conductor materials               | Copper                                                                                                                            |
| Nominal cross section                         | 2.5 mm²                                                                                                                           |
| Solid conductor                               | 0.25 ... 4 mm² / 22 ... 12 AWG                                                                                                    |
| Solid conductor, push-in termination          | 0.75 ... 4 mm² / 18 ... 12 AWG                                                                                                    |
| Fine-stranded conductor                       | 0.25 ... 4 mm² / 22 ... 12 AWG                                                                                                    |
| Strip length                                  | 10 ... 12 mm / 0.39 ... 0.47 inch                                                                                                 |
| Number of connection points                   | 2                                                                                                                                 |
| Note (conductor cross-section)                | Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination. |
| Total number of connection points             | 4                                                                                                                                 |
| Total number of potentials                    | 2                                                                                                                                 |

|                  |                    |
|------------------|--------------------|
| Number of levels | 2                  |
| Type of wiring   | Front-entry wiring |

## Geometrical Data

|                                       |                      |
|---------------------------------------|----------------------|
| Width                                 | 5.2 mm / 0.205 inch  |
| Height from upper-edge of DIN-35 rail | 51.7 mm / 2.035 inch |
| Depth                                 | 69.7 mm / 2.744 inch |

## Mechanical data

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

## Material Data

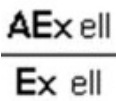
|                     |                      |
|---------------------|----------------------|
| Color               | gray                 |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load           | 0.204 MJ             |
| Weight              | 10.153 g             |

## Commercial data

|                    |               |
|--------------------|---------------|
| Product Group      | 22 (TOPJOB S) |
| Country of origin  | DE            |
| GTIN               | 4017332998765 |
| Customs Tariff No. | 85369010000   |

## Approvals / Certificates

### Ex-Approvals

| Logo                                                                               | Approval                                            | Additional Approval Text | Certificate name                                                       |
|------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------|------------------------------------------------------------------------|
|  | AEx<br>Underwriters Laboratories Inc.               | UL 60079                 | E185892                                                                |
|  | ATEX<br>Physikalisch Technische Bundesanstalt (PTB) | EN 60079                 | PTB 03<br>ATEX<br>1162 U (II<br>2 G/D Ex e<br>II bzw. I M<br>2 Ex e I) |
|                                                                                    | IECEX<br>Physikalisch Technische Bundesanstalt      | IEC 60079                | IECEX PTB<br>03.0004U                                                  |



#### Country specific Approvals

| Logo                                                                             | Approval                                     | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|----------------------------------------------|--------------------------|------------------|
|  | <b>CSA</b><br>DEKRA Certification B.V.       | C22.2 No. 158            | 1536069          |
|  | <b>KEMA/KEUR</b><br>DEKRA Certification B.V. | EN 60947                 | 71-<br>107687    |

#### Ship Approvals

| Logo                                                                                | Approval                                                | Additional Approval Text | Certificate name         |
|-------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------|--------------------------|
|    | <b>ABS</b><br>American Bureau of Shipping               | EN 60947                 | 14-<br>HG1293677-<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>cURus</b><br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |
|  | <b>cURus</b><br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |

## Compatible products

### Marking accessories

|                                                                                    |                                                                                                                   |                      |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------|
|    | Item no.: 2002-161<br>Adaptor                                                                                     | 2002-161             |
|   | Item no.: 2009-110<br>Marking strips; on reel; not stretchable; plain; snap-on type                               | 2009-110             |
|  | Item no.: 2009-115<br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type         | 2009-115             |
|  | Item no.: 2009-115/000-002<br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-115<br>/000-002 |
|  | Item no.: 2009-115/000-005<br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-115<br>/000-005 |
|  | Item no.: 2009-115/000-006<br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type  | 2009-115<br>/000-006 |
|  | Item no.: 2009-115/000-007<br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-115<br>/000-007 |
|  | Item no.: 2009-115/000-012<br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type  | 2009-115<br>/000-012 |
|  | Item no.: 2009-115/000-017<br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-115<br>/000-017 |
|  | Item no.: 2009-115/000-023<br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-115<br>/000-023 |

|                                                                                    |                                                                                                                               |          |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
|   | <b>Item no.: 2009-115/000-024</b><br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type       | 2009-115 |
|                                                                                    | /000-024                                                                                                                      |          |
|    | <b>Item no.: 2009-145</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type         | 2009-145 |
|    | <b>Item no.: 2009-145/000-002</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145 |
|                                                                                    | /000-002                                                                                                                      |          |
|    | <b>Item no.: 2009-145/000-005</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145 |
|                                                                                    | /000-005                                                                                                                      |          |
|    | <b>Item no.: 2009-145/000-006</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145 |
|                                                                                    | /000-006                                                                                                                      |          |
|    | <b>Item no.: 2009-145/000-007</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145 |
|                                                                                    | /000-007                                                                                                                      |          |
|    | <b>Item no.: 2009-145/000-012</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145 |
|                                                                                    | /000-012                                                                                                                      |          |
|   | <b>Item no.: 2009-145/000-023</b><br>Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type  | 2009-145 |
|                                                                                    | /000-023                                                                                                                      |          |
|  | <b>Item no.: 2009-145/000-024</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145 |
|                                                                                    | /000-024                                                                                                                      |          |
|  | <b>Item no.: 2009-191</b><br>Group marker carrier                                                                             | 2009-191 |
|  | <b>Item no.: 2009-192</b><br>Group marker carrier                                                                             | 2009-192 |
|  | <b>Item no.: 2009-193</b><br>Group marker carrier                                                                             | 2009-193 |
|  | <b>Item no.: 2009-198</b><br>Adaptor                                                                                          | 2009-198 |
|  | <b>Item no.: 248-501</b><br>Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card  | 248-501  |
|  | <b>Item no.: 248-501/000-002</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | 248-501  |
|                                                                                    | /000-002                                                                                                                      |          |
|  | <b>Item no.: 248-501/000-005</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | 248-501  |
|                                                                                    | /000-005                                                                                                                      |          |

**Item no.: 248-501/000-006**

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

/000-006

248-501

**Item no.: 248-501/000-007**

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

/000-007

248-501

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

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

/000-012

248-501

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

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

/000-017

248-501

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

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

/000-023

248-501

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

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

/000-024

248-501

**Item no.: 793-501**

WMB marking card; as card; not stretchable; plain; snap-on type

793-501

**Item no.: 793-501/000-002**

WMB marking card; as card; not stretchable; plain; snap-on type

/000-002

793-501

**Item no.: 793-501/000-005**

WMB marking card; as card; not stretchable; plain; snap-on type

/000-005

793-501

**Item no.: 793-501/000-006**

WMB marking card; as card; not stretchable; plain; snap-on type

/000-006

793-501

**Item no.: 793-501/000-007**

WMB marking card; as card; not stretchable; plain; snap-on type

/000-007

793-501

**Item no.: 793-501/000-012**

WMB marking card; as card; not stretchable; plain; snap-on type

/000-012

793-501

**Item no.: 793-501/000-017**

WMB marking card; as card; not stretchable; plain; snap-on type

/000-017

793-501

**Item no.: 793-501/000-023**

WMB marking card; as card; not stretchable; plain; snap-on type

/000-023

793-501

**Item no.: 793-501/000-024**

WMB marking card; as card; not stretchable; plain; snap-on type

/000-024

793-501

|                                                                                    |                                                                                                                                                   |                       |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
|    | <b>Item no.: 793-5501</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type         | 793-5501              |
|    | <b>Item no.: 793-5501/000-002</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type | 793-5501<br>/000-002  |
|    | <b>Item no.: 793-5501/000-005</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                                       | 793-5501<br>/000-005  |
|    | <b>Item no.: 793-5501/000-006</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                                       | 793-5501<br>/000-006  |
|    | <b>Item no.: 793-5501/000-007</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                                       | 793-5501<br>/000-007  |
|    | <b>Item no.: 793-5501/000-012</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                                       | 793-5501<br>/000-012  |
|    | <b>Item no.: 793-5501/000-014</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                                       | 793-5501<br>/000-014  |
|  | <b>Item no.: 793-5501/000-017</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                                       | 793-5501<br>/000-017  |
|  | <b>Item no.: 793-5501/000-023</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                                       | 793-5501<br>/000-023  |
|  | <b>Item no.: 793-5501/000-024</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                                       | 793-5501<br>/000-024  |
| <b>General accessories</b>                                                         |                                                                                                                                                   |                       |
|  | <b>Item no.: 2002-121</b><br>Adaptor                                                                                                              | 2002-121              |
|  | <b>Item no.: 2002-880/1000-411</b><br>Component plug; 2-pole; with diode 1N4007; 10.4 mm wide; Operating temperature 85°C max.                    | 2002-880<br>/1000-411 |
|  | <b>Item no.: 2002-880/1000-541</b><br>Component plug; 2-pole; LED (red); 10.4 mm wide; Operating temperature 85°C max.                            | 2002-880<br>/1000-541 |
|  | <b>Item no.: 2002-880/1000-542</b><br>LED module; with red LED; 10.4 mm wide; 30 - 65 V; Operating temperature 85°C max.                          | 2002-880<br>/1000-542 |
|  | <b>Item no.: 2002-880/1000-836</b><br>Component plug; 2-pole; LED (red); 10.4 mm wide; Operating temperature 85°C max.                            | 2002-880<br>/1000-836 |



## End plate

|                                                                                  |                                                                                                |           |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------|
|  | <b>Item no.: 2002-2291</b><br>End and intermediate plate; 0.8 mm thick                         | 2002-2291 |
|  | <b>Item no.: 2002-2292</b><br>End and intermediate plate; 0.8 mm thick                         | 2002-2292 |
|  | <b>Item no.: 2002-2295</b><br>Separator plate; oversized upper deck; snap-fit type; 2 mm thick | 2002-2295 |
|  | <b>Item no.: 2002-2296</b><br>Separator plate; oversized upper deck; snap-fit type; 2 mm thick | 2002-2296 |
|  | <b>Item no.: 209-192</b><br>Separator for Ex e/Ex i applications; 3 mm thick; 125.5 mm wide    | 209-192   |

## Carrier rail

|                                                                                    |                                                                                                                                      |         |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------|
|    | <b>Item no.: 210-112</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm | 210-112 |
|    | <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                  | 210-113 |
|    | <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                   | 210-114 |
|   | <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 | 210-115 |
|  | <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                 | 210-118 |
|  | <b>Item no.: 210-196</b><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715               | 210-196 |
|  | <b>Item no.: 210-197</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715                     | 210-197 |
|  | <b>Item no.: 210-198</b><br>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715                | 210-198 |
|  | <b>Item no.: 210-504</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715        | 210-504 |
|  | <b>Item no.: 210-505</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715      | 210-505 |
|  | <b>Item no.: 210-506</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715       | 210-506 |
|  | <b>Item no.: 210-508</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715         | 210-508 |

## Jumper

|                                                                                    |                                                                                                               |          |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------|
|  | <b>Item no.: 2002-400</b><br>Adjacent jumper for continuous commoning; insulated; 2-way; Nominal current 25 A | 2002-400 |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------|

|                                                                                    |                                                                                                          |          |          |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------|----------|
|    | <b>Item no.: 2002-402</b><br>Push-in type jumper bar; insulated; 2-way; Nominal current 25 A             |          | 2002-402 |
|    | <b>Item no.: 2002-402/000-005</b><br>Push-in type jumper bar; insulated; 2-way; Nominal current 25 A     | /000-005 | 2002-402 |
|    | <b>Item no.: 2002-402/000-006</b><br>Push-in type jumper bar; insulated; 2-way; Nominal current 25 A     | /000-006 | 2002-402 |
|    | <b>Item no.: 2002-403</b><br>Push-in type jumper bar; insulated; 3-way; Nominal current 25 A             |          | 2002-403 |
|    | <b>Item no.: 2002-403/000-005</b><br>Push-in type jumper bar; insulated; 3-way; Nominal current 25 A     | /000-005 | 2002-403 |
|    | <b>Item no.: 2002-403/000-006</b><br>Push-in type jumper bar; insulated; 3-way; Nominal current 25 A     | /000-006 | 2002-403 |
|    | <b>Item no.: 2002-404</b><br>Push-in type jumper bar; insulated; 4-way; Nominal current 25 A             |          | 2002-404 |
|   | <b>Item no.: 2002-404/000-005</b><br>Push-in type jumper bar; insulated; 4-way; Nominal current 25 A     | /000-005 | 2002-404 |
|  | <b>Item no.: 2002-404/000-006</b><br>Push-in type jumper bar; insulated; 4-way; Nominal current 25 A     | /000-006 | 2002-404 |
|  | <b>Item no.: 2002-405</b><br>Push-in type jumper bar; insulated; 5-way; Nominal current 25 A             |          | 2002-405 |
|  | <b>Item no.: 2002-405/000-005</b><br>Push-in type jumper bar; insulated; 5-way; Nominal current 25 A     | /000-005 | 2002-405 |
|  | <b>Item no.: 2002-405/000-006</b><br>Push-in type jumper bar; insulated; 5-way; Nominal current 25 A     | /000-006 | 2002-405 |
|  | <b>Item no.: 2002-405/011-000</b><br>Star point jumper; insulated; 3-way (1-3-5); IN = IN terminal block | /011-000 | 2002-405 |
|  | <b>Item no.: 2002-406</b><br>Push-in type jumper bar; insulated; 6-way; Nominal current 25 A             |          | 2002-406 |
|  | <b>Item no.: 2002-406/000-005</b><br>Push-in type jumper bar; insulated; 6-way; Nominal current 25 A     | /000-005 | 2002-406 |
|  | <b>Item no.: 2002-406/000-006</b><br>Push-in type jumper bar; insulated; 6-way; Nominal current 25 A     | /000-006 | 2002-406 |

|                                                                                    |                                                                                                                             |                      |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------|
|    | <b>Item no.: 2002-406/020-000</b><br>Delta jumper; insulated; 1-2 3-4 5-6; IN = IN terminal block                           | 2002-406<br>/020-000 |
|    | <b>Item no.: 2002-407</b><br>Push-in type jumper bar; insulated; 7-way; Nominal current 25 A                                | 2002-407             |
|    | <b>Item no.: 2002-407/000-005</b><br>Push-in type jumper bar; insulated; 7-way; Nominal current 25 A                        | 2002-407<br>/000-005 |
|    | <b>Item no.: 2002-407/000-006</b><br>Push-in type jumper bar; insulated; 7-way; Nominal current 25 A                        | 2002-407<br>/000-006 |
|    | <b>Item no.: 2002-408</b><br>Push-in type jumper bar; insulated; 8-way; Nominal current 25 A                                | 2002-408             |
|    | <b>Item no.: 2002-408/000-005</b><br>Push-in type jumper bar; insulated; 8-way; Nominal current 25 A                        | 2002-408<br>/000-005 |
|    | <b>Item no.: 2002-408/000-006</b><br>Push-in type jumper bar; insulated; 8-way; Nominal current 25 A                        | 2002-408<br>/000-006 |
|   | <b>Item no.: 2002-409</b><br>Push-in type jumper bar; insulated; 9-way; Nominal current 25 A                                | 2002-409             |
|  | <b>Item no.: 2002-409/000-005</b><br>Push-in type jumper bar; insulated; 9-way; Nominal current 25 A                        | 2002-409<br>/000-005 |
|  | <b>Item no.: 2002-409/000-006</b><br>Push-in type jumper bar; insulated; 9-way; Nominal current 25 A                        | 2002-409<br>/000-006 |
|  | <b>Item no.: 2002-410</b><br>Push-in type jumper bar; insulated; 10-way; Nominal current 25 A                               | 2002-410             |
|  | <b>Item no.: 2002-410/000-005</b><br>Push-in type jumper bar; insulated; 10-way; Nominal current 25 A                       | 2002-410<br>/000-005 |
|  | <b>Item no.: 2002-410/000-006</b><br>Push-in type jumper bar; insulated; 10-way; Nominal current 25 A                       | 2002-410<br>/000-006 |
|  | <b>Item no.: 2002-423</b><br>Adjacent jumper for continuous commoning; insulated; from 1 to 3; Nominal current 25 A         | 2002-423             |
|  | <b>Item no.: 2002-423/000-005</b><br>Adjacent jumper for continuous commoning; insulated; from 1 to 3; Nominal current 25 A | 2002-423<br>/000-005 |
|  | <b>Item no.: 2002-423/000-006</b><br>Adjacent jumper for continuous commoning; insulated; from 1 to 3; Nominal current 25 A | 2002-423<br>/000-006 |

|                                                                                    |                                                                                                                                                                                   |                      |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|    | <b>Item no.: 2002-433</b><br>Push-in type jumper bar; insulated; from 1 to 3; Nominal current 25 A                                                                                | 2002-433             |
|    | <b>Item no.: 2002-434</b><br>Push-in type jumper bar; insulated; from 1 to 4; Nominal current 25 A                                                                                | 2002-434             |
|    | <b>Item no.: 2002-435</b><br>Push-in type jumper bar; insulated; from 1 to 5; Nominal current 25 A                                                                                | 2002-435             |
|    | <b>Item no.: 2002-436</b><br>Push-in type jumper bar; insulated; from 1 to 6; Nominal current 25 A                                                                                | 2002-436             |
|    | <b>Item no.: 2002-437</b><br>Push-in type jumper bar; insulated; from 1 to 7; Nominal current 25 A                                                                                | 2002-437             |
|    | <b>Item no.: 2002-438</b><br>Push-in type jumper bar; insulated; from 1 to 8; Nominal current 25 A                                                                                | 2002-438             |
|    | <b>Item no.: 2002-439</b><br>Push-in type jumper bar; insulated; from 1 to 9; Nominal current 25 A                                                                                | 2002-439             |
|    | <b>Item no.: 2002-440</b><br>Push-in type jumper bar; insulated; from 1 to 10; Nominal current 25 A                                                                               | 2002-440             |
|    | <b>Item no.: 2002-472</b><br>Staggered jumper; insulated; 2-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks                             | 2002-472             |
|  | <b>Item no.: 2002-473</b><br>Staggered jumper; insulated; 3-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks                             | 2002-473             |
|                                                                                    | <b>Item no.: 2002-473/011-000</b><br>Ready-made staggered jumper; insulated; 2-way (1-3); Nominal current 25 A; with contact lugs broken off at the factory and circuit marking   | 2002-473<br>/011-000 |
|  | <b>Item no.: 2002-474</b><br>Staggered jumper; insulated; 4-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks                             | 2002-474             |
|  | <b>Item no.: 2002-475</b><br>Staggered jumper; insulated; 5-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks                             | 2002-475             |
|                                                                                    | <b>Item no.: 2002-475/011-000</b><br>Ready-made staggered jumper; insulated; 3-way (1-3-5); Nominal current 25 A; with contact lugs broken off at the factory and circuit marking | 2002-475<br>/011-000 |
|  | <b>Item no.: 2002-476</b><br>Staggered jumper; insulated; 6-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks                             | 2002-476             |
|  | <b>Item no.: 2002-477</b><br>Staggered jumper; insulated; 7-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks                             | 2002-477             |
|  | <b>Item no.: 2002-477/011-000</b><br>Ready-made staggered jumper; insulated; 1-3-5-7; Nominal current 25 A; with contact lugs broken off at the factory and circuit marking       | 2002-477<br>/011-000 |
|  | <b>Item no.: 2002-478</b><br>Staggered jumper; insulated; 8-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks                             | 2002-478             |

**Item no.: 2002-479**

Staggered jumper; insulated; 9-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks

2002-479

**Item no.: 2002-479/011-000**

Ready-made staggered jumper; insulated; 1-3-5-7-9; Nominal current 25 A; with contact lugs broken off at the factory and circuit marking

/011-000

2002-479

**Item no.: 2002-480**

Staggered jumper; insulated; 10-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks

2002-480

**Item no.: 2002-481**

Staggered jumper; insulated; 11-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks

2002-481

**Item no.: 2002-481/011-000**

Ready-made staggered jumper; insulated; 1-3-5-7-9-11; Nominal current 25 A; with contact lugs broken off at the factory and circuit marking

/011-000

2002-481

**Item no.: 2002-482**

Staggered jumper; insulated; 12-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks

2002-482

**Item no.: 2002-492**

Double-deck vertical jumper; insulated

2002-492

**Item no.: 2002-492/000-012**

Double-deck vertical jumper; insulated

/000-012

2002-492

**Item no.: 2009-412**

Push-in type wire jumper; insulated; wire length 60 mm; Conductor cross section 1.5 mm²; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks

2009-412

**Item no.: 2009-414**

Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 1.5 mm²; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks

2009-414

**Item no.: 2009-414/000-005**

Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 1.5 mm²; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks

/000-005

2009-414

**Item no.: 2009-414/000-006**

Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 1.5 mm²; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks

/000-006

2009-414

**Item no.: 2009-416**

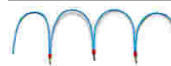
Push-in type wire jumper; insulated; wire length 250 mm; Conductor cross section 1.5 mm²; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks

2009-416

**Item no.: 210-103**

Wire commoning chain; insulated; 50 connections

210-103

**Item no.: 210-123**

Wire commoning chain; insulated; 50 connections

210-123

**tools****Item no.: 210-658**

Operating tool with partially insulated shaft; Blade (3.5 x 0.5) mm; short; angled

210-658



**Item no.: 210-720**  
Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

210-720

## plug



**Item no.: 2002-880**  
Empty component plug housing; 10.4 mm wide; 2-pole; Type 4

2002-880

## check



**Item no.: 2002-611**  
TOPJOB®S L-type test plug module; modular; 1-pole

2002-611



**Item no.: 2002-649**  
TOPJOB®S L-type spacer module; modular; e.g., for bridging commoned terminal blocks

2002-649



**Item no.: 2009-174**  
Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks

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

2009-182

## Insulation stop



**Item no.: 2002-171**  
Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip

2002-171



**Item no.: 2002-172**  
Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/strip

2002-172

## ferrule



**Item no.: 216-241**  
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

216-241



**Item no.: 216-242**  
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

216-242



**Item no.: 216-243**  
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

216-243



**Item no.: 216-244**  
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

216-244



**Item no.: 216-246**  
Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-246



**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

216-262



**Item no.: 216-263**  
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

216-263



**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

216-264



**Item no.: 216-266**  
Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-266



Protective Warning Marker



Item no.: 2002-115  
Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks

2002-115

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Subject to changes.