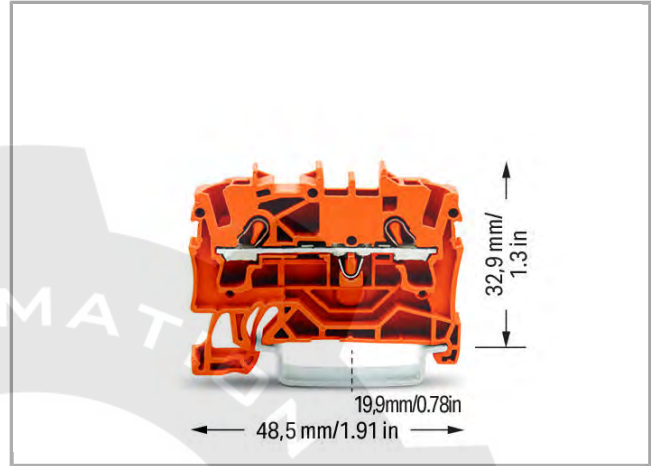


## Data sheet | Item number: 2002-1202

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®



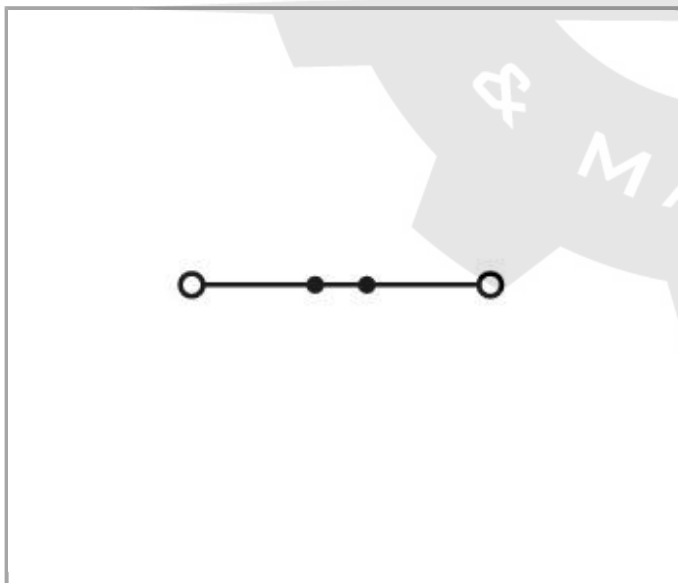
2002-1202



RoHS  
Compliant ✓

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

Color: ■



### Data

#### Electrical data

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 per IEC/EN 60664-1

|                                 |       |
|---------------------------------|-------|
| Rated voltage (III / 3)         | 800 V |
| Rated impulse voltage (III / 3) | 8 kV  |
| Rated current                   | 24 A  |
| Rated current (2)               | 32 A  |

#### 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  |

#### 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®                                                                                                               |
| 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                                                                                                 |
| 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    | 2                                                                                                                                 |
| Total number of potentials           | 1                                                                                                                                 |
| Number of levels                     | 1                                                                                                                                 |
| Type of wiring                       | Front-entry wiring                                                                                                                |

#### Geometrical Data

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

|                                       |                      |
|---------------------------------------|----------------------|
| Height from upper-edge of DIN-35 rail | 32.9 mm / 1.295 inch |
| Depth                                 | 48.5 mm / 1.909 inch |

## Mechanical data

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

## Material Data

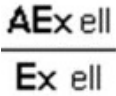
|                     |                      |
|---------------------|----------------------|
| Color               | orange               |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load           | 0.109 MJ             |
| Weight              | 5.079 g              |

## Commercial data

|                    |               |
|--------------------|---------------|
| Product Group      | 22 (TOPJOB S) |
| Country of origin  | DE            |
| GTIN               | 4017332999182 |
| 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 |
|------|---------------------------------|--------------------------|------------------|
|      | CSA<br>DEKRA Certification B.V. | C22.2 No. 158            | 1536069          |



KEMA/KEUR  
DEKRA Certification B.V.

EN 60947

71-  
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>cULus</b><br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |
|  | <b>cULus</b><br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |
|  | <b>UR</b><br>DEKRA Certification B.V.          | EN 60947                 | NTR NL<br>7730   |

## 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 |
|  | Item no.: 2009-115/000-024<br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type  | 2009-115<br>/000-024 |
|                                                                                    | Item no.: 2009-145                                                                                                |                      |

|                                                                                    |                                                                                                                               |          |          |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|----------|
|    | 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 | /000-002 | 2009-145 |
|    | <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 | /000-005 | 2009-145 |
|    | <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 | /000-006 | 2009-145 |
|    | <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 | /000-007 | 2009-145 |
|    | <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 | /000-012 | 2009-145 |
|    | <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  | /000-023 | 2009-145 |
|  | <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 | /000-024 | 2009-145 |
|  | <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                      | /000-002 | 248-501  |
|  | <b>Item no.: 248-501/000-005</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | /000-005 | 248-501  |
|  | <b>Item no.: 248-501/000-006</b><br>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

**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

793-5501

**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

/000-002

793-5501



**Item no.: 793-5501/000-005**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-005

793-5501



**Item no.: 793-5501/000-006**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-006

793-5501



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

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-007

793-5501



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

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-012

793-5501



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

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-014

793-5501



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

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-017

793-5501



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

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-023

793-5501



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

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-024

793-5501

#### End plate



**Item no.: 2002-1291**

End and intermediate plate; 0.8 mm thick

2002-1291



**Item no.: 2002-1292**

End and intermediate plate; 0.8 mm thick

2002-1292



**Item no.: 2002-1293**

Separator plate; 2 mm thick; oversized

2002-1293



**Item no.: 2002-1294**

Separator plate; 2 mm thick; oversized

2002-1294



**Item no.: 209-190**

Separator for Ex e/Ex i applications; 3 mm thick; 90 mm wide

209-190



**Item no.: 209-191**

Separator for Ex e/Ex i applications; 3 mm thick; 120 mm wide

209-191

#### plug



**Item no.: 2002-880**

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

2002-880



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



**Item no.: 2002-406/000-006**  
Push-in type jumper bar; insulated; 6-way; Nominal current 25 A

/000-006

2002-406



**Item no.: 2002-406/020-000**  
Delta jumper; insulated; 1-2 3-4 5-6; IN = IN terminal block

/020-000

2002-406



**Item no.: 2002-407**  
Push-in type jumper bar; insulated; 7-way; Nominal current 25 A

2002-407



**Item no.: 2002-407/000-005**  
Push-in type jumper bar; insulated; 7-way; Nominal current 25 A

/000-005

2002-407



**Item no.: 2002-407/000-006**  
Push-in type jumper bar; insulated; 7-way; Nominal current 25 A

/000-006

2002-407



**Item no.: 2002-408**  
Push-in type jumper bar; insulated; 8-way; Nominal current 25 A

2002-408



**Item no.: 2002-408/000-005**  
Push-in type jumper bar; insulated; 8-way; Nominal current 25 A

/000-005

2002-408



**Item no.: 2002-408/000-006**  
Push-in type jumper bar; insulated; 8-way; Nominal current 25 A

/000-006

2002-408



**Item no.: 2002-409**  
Push-in type jumper bar; insulated; 9-way; Nominal current 25 A

2002-409



**Item no.: 2002-409/000-005**  
Push-in type jumper bar; insulated; 9-way; Nominal current 25 A

/000-005

2002-409



**Item no.: 2002-409/000-006**  
Push-in type jumper bar; insulated; 9-way; Nominal current 25 A

/000-006

2002-409



**Item no.: 2002-410**  
Push-in type jumper bar; insulated; 10-way; Nominal current 25 A

2002-410



**Item no.: 2002-410/000-005**  
Push-in type jumper bar; insulated; 10-way; Nominal current 25 A

/000-005

2002-410



**Item no.: 2002-410/000-006**  
Push-in type jumper bar; insulated; 10-way; Nominal current 25 A

/000-006

2002-410



**Item no.: 2002-423**  
Adjacent jumper for continuous commoning; insulated; from 1 to 3; Nominal current 25 A

2002-423



**Item no.: 2002-423/000-005**  
Adjacent jumper for continuous commoning; insulated; from 1 to 3; Nominal current 25 A

/000-005

2002-423

**Item no.: 2002-423/000-006**

Adjacent jumper for continuous commoning; insulated; from 1 to 3; Nominal current 25 A

/000-006

2002-423

**Item no.: 2002-433**

Push-in type jumper bar; insulated; from 1 to 3; Nominal current 25 A

2002-433

**Item no.: 2002-434**

Push-in type jumper bar; insulated; from 1 to 4; Nominal current 25 A

2002-434

**Item no.: 2002-435**

Push-in type jumper bar; insulated; from 1 to 5; Nominal current 25 A

2002-435

**Item no.: 2002-436**

Push-in type jumper bar; insulated; from 1 to 6; Nominal current 25 A

2002-436

**Item no.: 2002-437**

Push-in type jumper bar; insulated; from 1 to 7; Nominal current 25 A

2002-437

**Item no.: 2002-438**

Push-in type jumper bar; insulated; from 1 to 8; Nominal current 25 A

2002-438

**Item no.: 2002-439**

Push-in type jumper bar; insulated; from 1 to 9; Nominal current 25 A

2002-439

**Item no.: 2002-440**

Push-in type jumper bar; insulated; from 1 to 10; Nominal current 25 A

2002-440

**Item no.: 2002-472**

Staggered jumper; insulated; 2-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks

2002-472

**Item no.: 2002-473**

Staggered jumper; insulated; 3-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks

2002-473

**Item no.: 2002-473/011-000**

Ready-made staggered jumper; insulated; 2-way (1-3); Nominal current 25 A; with contact lugs broken off at the factory and circuit marking

/011-000

2002-473

**Item no.: 2002-474**

Staggered jumper; insulated; 4-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks

2002-474

**Item no.: 2002-475**

Staggered jumper; insulated; 5-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks

2002-475

**Item no.: 2002-475/011-000**

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

/011-000

2002-475

**Item no.: 2002-476**

Staggered jumper; insulated; 6-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks

2002-476

**Item no.: 2002-477**

Staggered jumper; insulated; 7-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks

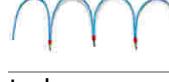
2002-477

**Item no.: 2002-477/011-000**

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

/011-000

2002-477

|                                                                                    |                                                                                                                                                                                                                |                      |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
|    | <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             |
|    | <b>Item no.: 2002-479</b><br>Staggered jumper; insulated; 9-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks                                                          | 2002-479             |
|                                                                                    | <b>Item no.: 2002-479/011-000</b><br>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                                  | 2002-479<br>/011-000 |
|    | <b>Item no.: 2002-480</b><br>Staggered jumper; insulated; 10-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks                                                         | 2002-480             |
|    | <b>Item no.: 2002-481</b><br>Staggered jumper; insulated; 11-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks                                                         | 2002-481             |
|                                                                                    | <b>Item no.: 2002-481/011-000</b><br>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                               | 2002-481<br>/011-000 |
|    | <b>Item no.: 2002-482</b><br>Staggered jumper; insulated; 12-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks                                                         | 2002-482             |
|   | <b>Item no.: 2006-499</b><br>Step-down jumper; insulated; from 6/4 mm <sup>2</sup> to 4/2.5/1.5 mm <sup>2</sup> ; Nominal current 32 A                                                                         | 2006-499             |
|  | <b>Item no.: 2009-412</b><br>Push-in type wire jumper; insulated; wire length 60 mm; Conductor cross section 1.5 mm <sup>2</sup> ; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks  | 2009-412             |
|  | <b>Item no.: 2009-414</b><br>Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 1.5 mm <sup>2</sup> ; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks | 2009-414             |
|  | <b>Item no.: 2009-416</b><br>Push-in type wire jumper; insulated; wire length 250 mm; Conductor cross section 1.5 mm <sup>2</sup> ; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks | 2009-416             |
|  | <b>Item no.: 2016-499</b><br>Step-down jumper; insulated; from 16/10 mm <sup>2</sup> to 10/6/4/2.5 mm <sup>2</sup> ; Nominal current 57 A                                                                      | 2016-499             |
|  | <b>Item no.: 210-103</b><br>Wire commoning chain; insulated; 50 connections                                                                                                                                    | 210-103              |
|  | <b>Item no.: 210-123</b><br>Wire commoning chain; insulated; 50 connections                                                                                                                                    | 210-123              |
| <b>tools</b>                                                                       |                                                                                                                                                                                                                |                      |
|  | <b>Item no.: 210-658</b><br>Operating tool with partially insulated shaft; Blade (3.5 x 0.5) mm; short; angled                                                                                                 | 210-658              |
|  | <b>Item no.: 210-720</b><br>Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm                                                                                                        | 210-720              |
| <b>Carrier rail</b>                                                                |                                                                                                                                                                                                                |                      |
|  | <b>Item no.: 210-112</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm                                                                           | 210-112              |

**Item no.: 210-113**

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

210-113

**Item no.: 210-114**

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

210-114

**Item no.: 210-115**

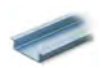
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm

210-115

**Item no.: 210-118**

Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715

210-118

**Item no.: 210-196**

Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715

210-196

**Item no.: 210-197**

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

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

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

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

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

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

210-508

**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

#### General accessories



**Item no.: 2002-880/1000-411**

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

/ 1000-411

2002-880



**Item no.: 2002-880/1000-541**

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

/ 1000-541

2002-880



**Item no.: 2002-880/1000-542**

LED module; with red LED; 10.4 mm wide; 30 - 65 V; Operating temperature 85°C max.

/ 1000-542

2002-880



**Item no.: 2002-880/1000-836**

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

/ 1000-836

2002-880

#### 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

#### Protective Warning Marker



**Item no.: 2002-115**

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

2002-115

#### check



**Item no.: 2002-511**

Modular TOPJOB®S connector; modular; for jumper contact slot; 1-pole

2002-511



**Item no.: 2002-549**

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

2002-549



**Item no.: 2002-552**

Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole

2002-552



**Item no.: 2002-553**

Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole

2002-553



**Item no.: 2002-554**

Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole

2002-554



**Item no.: 2002-555**

Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole

2002-555



**Item no.: 2002-556**

Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole

2002-556



**Item no.: 2002-557**

Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole

2002-557

|                                                                                  |                                                                                                                          |          |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------|
|  | <b>Item no.: 2002-558</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole                        | 2002-558 |
|  | <b>Item no.: 2002-559</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 9-pole                        | 2002-559 |
|  | <b>Item no.: 2002-560</b><br>Modular TOPJOB®S connector; modular; for jumper contact slot; 10-pole                       | 2002-560 |
|  | <b>Item no.: 2002-611</b><br>TOPJOB®S L-type test plug module; modular; 1-pole                                           | 2002-611 |
|  | <b>Item no.: 2002-649</b><br>TOPJOB®S L-type spacer module; modular; e.g., for bridging commoned terminal blocks         | 2002-649 |
|  | <b>Item no.: 2009-174</b><br>Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks | 2009-174 |
|  | <b>Item no.: 2009-182</b><br>Testing tap; for max. 2.5 mm²; tool-free connection for individual test wires 0.08 - 2.5 mm | 2009-182 |

## Downloads

## Documentation

## Bid Text

|                         |             |                 |          |
|-------------------------|-------------|-----------------|----------|
| 2002-1202               | Apr 4, 2012 | docx<br>15.0 kB | Download |
| Reihenklemmen, TOPJOB S |             |                 |          |

## Additional Information

|  |               |          |
|--|---------------|----------|
|  | pdf<br>2.1 MB | Download |
|--|---------------|----------|

## CAD/CAE - Smart Data

## CAD data

|                       |     |          |
|-----------------------|-----|----------|
| 3D Download 2002-1202 | URL | Download |
|-----------------------|-----|----------|

Subject to changes.