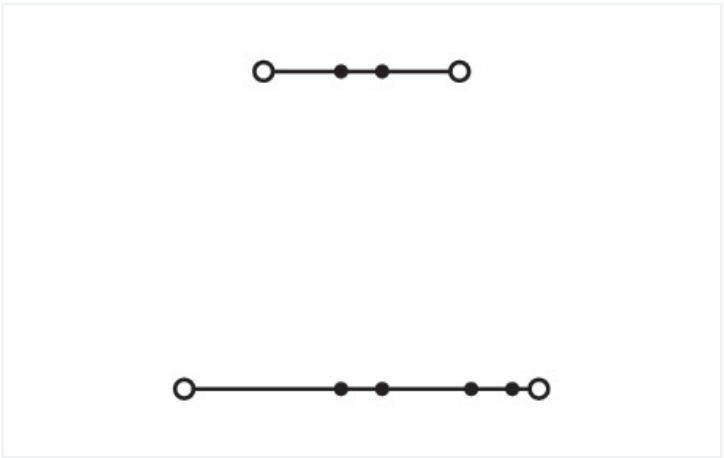
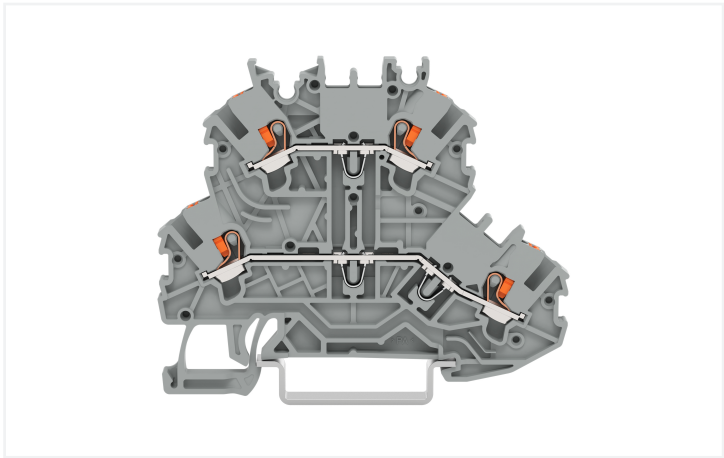


Data Sheet | Item Number: 2000-2202

Double-deck terminal block; Through/through terminal block; N/L; without marker carrier; Blue conductor entry lower deck; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 1,00 mm²; gray

<https://www.wago.com/2000-2202>



Color: ■ gray

Similar to illustration

Similar to illustration

Double-deck terminal block, 2000 Series, gray

Enjoy easy electrical installations with this double-deck terminal block (item number 2000-2202). Ensure that the strip lengths are between 9 and 11 mm when connecting conductors to this double-deck terminal block. The double-deck terminal block also functions as a through terminal block. This product features conductor terminals and utilizes Push-in CAGE CLAMP®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, offering a key advantage: both solid and fine-stranded conductors with ferrules can be directly inserted without the need for tools or any preparation, such as crimping the ferrule. Depending on the type of conductor, this double-deck terminal block is suitable for conductor cross sections ranging from 0.14 mm² to 1.5 mm².

This product is designed for specific Ex applications (please refer to the product datasheet).

| Electrical data                               |  |                                                                                                     |       |    |
|-----------------------------------------------|--|-----------------------------------------------------------------------------------------------------|-------|----|
| Ratings per                                   |  | IEC/EN 60947-7-1                                                                                    |       |    |
| Overvoltage category                          |  | III                                                                                                 | III   | II |
| Pollution degree                              |  | 3                                                                                                   | 2     | 2  |
| Nominal voltage                               |  | 500 V                                                                                               | -     | -  |
| Rated impulse withstand voltage               |  | 6 kV                                                                                                | -     | -  |
| Rated current                                 |  | 13.5 A                                                                                              | -     | -  |
| Current at conductor cross-section (max.) mm² |  | 16 A                                                                                                | -     | -  |
| Approvals per                                 |  | UL 1059                                                                                             |       |    |
| Use group                                     |  | B                                                                                                   | C     | D  |
| Rated voltage                                 |  | 300 V                                                                                               | 300 V | -  |
| Rated current                                 |  | 15 A                                                                                                | 15 A  | -  |
| Approvals per                                 |  | CSA 22.2 No 158                                                                                     |       |    |
| Use group                                     |  | B                                                                                                   | C     | D  |
| Rated voltage                                 |  | 600 V                                                                                               | 600 V | -  |
| Rated current                                 |  | 10 A                                                                                                | 10 A  | -  |
| Ex information                                |  |                                                                                                     |       |    |
| Reference to hazardous areas                  |  | See "Downloads – Documentation – Additional Information: Technical Section; Technical Explanations" |       |    |
| Ratings per                                   |  | ATEX: PTB 11 ATEX 1041 U / IECEx: PTB 11.0093U (Ex eb IIC Gb)                                       |       |    |
| Rated voltage EN (Ex e II)                    |  | 350 V                                                                                               |       |    |
| Rated current (Ex e II)                       |  | 13 A                                                                                                |       |    |
| Rated current (Ex e II) with jumper           |  | 12 A                                                                                                |       |    |



| Power Loss                                                   |           |
|--------------------------------------------------------------|-----------|
| Power loss, per pole (potential)                             | 0.4338 W  |
| Rated current I <sub>N</sub> for power loss specification    | 13.5 A    |
| Resistance value for specified, current-dependent power loss | 0.00238 Ω |

| General information |                    |
|---------------------|--------------------|
| Wiring direction    | Front-entry wiring |

| Connection data            |   |                                                            |                                                                                                                                   |
|----------------------------|---|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Clamping units             | 4 | <b>Connection 1</b>                                        |                                                                                                                                   |
| Total number of potentials | 2 | Connection technology                                      | Push-in CAGE CLAMP®                                                                                                               |
| Number of levels           | 2 | Number of connection points                                | 2                                                                                                                                 |
| Number of jumper slots     | 4 | Actuation type                                             | Operating tool                                                                                                                    |
|                            |   | Connectable conductor materials                            | Copper                                                                                                                            |
|                            |   | Nominal cross-section                                      | 1 mm²                                                                                                                             |
|                            |   | Solid conductor                                            | 0.14 ... 1.5 mm² / 24 ... 16 AWG                                                                                                  |
|                            |   | Solid conductor; push-in termination                       | 0.5 ... 1.5 mm² / 20 ... 16 AWG                                                                                                   |
|                            |   | Fine-stranded conductor                                    | 0.14 ... 1.5 mm² / 24 ... 16 AWG                                                                                                  |
|                            |   | Fine-stranded conductor; with insulated ferrule            | 0.14 ... 0.75 mm² / 24 ... 18 AWG                                                                                                 |
|                            |   | Fine-stranded conductor; with ferrule; push-in termination | 0.5 ... 0.75 mm² / 20 ... 18 AWG                                                                                                  |
|                            |   | Note (conductor cross-section)                             | Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. |
|                            |   | Strip length                                               | 9 ... 11 mm / 0.35 ... 0.43 inches                                                                                                |
|                            |   | Wiring direction                                           | Front-entry wiring                                                                                                                |

| Connection 2                |   |
|-----------------------------|---|
| Number of connection points | 2 |

| Physical data                     |                        |
|-----------------------------------|------------------------|
| Width                             | 3.5 mm / 0.138 inches  |
| Height                            | 69.7 mm / 2.744 inches |
| Depth from upper-edge of DIN-rail | 51.7 mm / 2.035 inches |

| Mechanical data   |                     |
|-------------------|---------------------|
| Potential marking | N/L                 |
| Mounting type     | DIN-35 rail         |
| Marking level     | Center/side marking |

| Material data                      |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | gray                                                                     |
| Material group                     | I                                                                        |
| Insulation material (main housing) | Polyamide (PA66)                                                         |
| Flammability class per UL94        | V0                                                                       |
| Fire load                          | 0.152 MJ                                                                 |
| Weight                             | 7.3 g                                                                    |

## Environmental requirements

|                                  |                 |
|----------------------------------|-----------------|
| Processing temperature           | -35 ... +85 °C  |
| Continuous operating temperature | -60 ... +105 °C |

## Environmental Testing

|                                                                                                     |                                                     |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Test specification:<br>Railway applications –<br>Rolling stock –<br>Electronic equipment            | DIN EN 50155 (VDE 0115-200):2022-06                 |
| Test procedure:<br>Railway applications –<br>Rolling stock equipment –<br>Vibration and shock tests | DIN EN 61373 (VDE 0115-0106):2011-04                |
| Spectrum/Mounting location                                                                          | Service life test, Category 1, Class A/B            |
| Functional test with noise-like oscillations                                                        | Test passed according to Section 8 of the standard  |
| Frequency                                                                                           | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$      |
| Acceleration                                                                                        | 0.101g (highest test level used for all axes)       |
| Test duration per axis                                                                              | 10 min.                                             |
| Test directions                                                                                     | X, Y and Z axes                                     |
| Monitoring of contact faults and interruptions                                                      | Passed                                              |
| Voltage drop measurement before and after each axis                                                 | Passed                                              |
| Simulated service life test through increased levels of noise-like oscillations                     | Test passed according to Section 9 of the standard  |
| Frequency                                                                                           | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$      |
| Acceleration                                                                                        | 0.572g (highest test level used for all axes)       |
| Test duration per axis                                                                              | 5 h                                                 |
| Test directions                                                                                     | X, Y and Z axes                                     |
| Extended testing: Monitoring of contact faults and interruptions                                    | Passed                                              |
| Extended testing: Voltage drop measurement before and after each axis                               | Passed                                              |
| Shock test                                                                                          | Test passed according to Section 10 of the standard |
| Shock pulse form                                                                                    | Half sine                                           |
| Acceleration                                                                                        | 5g (highest test level used for all axes)           |
| Shock duration                                                                                      | 30 ms                                               |
| Number of shocks (per axis)                                                                         | 3 pos. und 3 neg.                                   |
| Test directions                                                                                     | X, Y and Z axes                                     |
| Extended testing: Monitoring of contact faults and interruptions                                    | Passed                                              |
| Extended testing: Voltage drop measurement before and after each axis                               | Passed                                              |
| Vibration and shock stress for rolling stock equipment                                              | Passed                                              |

## Commercial data

|                       |               |
|-----------------------|---------------|
| Product Group         | 22 (TOPJOB S) |
| PU (SPU)              | 50 pcs        |
| Packaging type        | Box           |
| Country of origin     | CN            |
| GTIN                  | 4055143267731 |
| Customs tariff number | 85369010000   |



| Product Classification |  |                      |
|------------------------|--|----------------------|
| UNSPSC                 |  | 39121410             |
| eCl@ss 10.0            |  | 27-14-11-20          |
| eCl@ss 9.0             |  | 27-14-11-20          |
| ETIM 9.0               |  | EC000897             |
| ETIM 10.0              |  | EC000897             |
| ECCN                   |  | NO US CLASSIFICATION |

| Environmental Product Compliance |  |                        |
|----------------------------------|--|------------------------|
| RoHS Compliance Status           |  | Compliant,No Exemption |

| Approvals / Certificates                                  |          |                                                            |
|-----------------------------------------------------------|----------|------------------------------------------------------------|
| General approvals                                         |          | Declarations of conformity and manufacturer's declarations |
|                                                           |          |                                                            |
| Approval                                                  | Standard | Certificate Name                                           |
| CCA<br>DEKRA Certification B.V.                           | EN 60947 | NTR NL 7962                                                |
| CSA<br>DEKRA Certification B.V.                           | C22.2    | 2130762                                                    |
| KEMA/KEUR<br>DEKRA Certification B.V.                     | EN 60947 | 71-125928                                                  |
| UL<br>Underwriters Laboratories Inc.                      | UL 1059  | E45172                                                     |
| Approval                                                  | Standard | Certificate Name                                           |
| ATEX-Attestation of Con-<br>formity<br>WAGO GmbH & Co. KG | -        | -                                                          |
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG   | -        | -                                                          |
| Railway<br>WAGO GmbH & Co. KG                             | -        | Railway Ready                                              |
| UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG   | -        | -                                                          |

| Approvals for hazardous areas                  |             |                                                                |
|------------------------------------------------|-------------|----------------------------------------------------------------|
|                                                |             |                                                                |
| Approval                                       | Standard    | Certificate Name                                               |
| AEx<br>Underwriters Laboratories Inc.          | UL 60079    | E185892 (AEx eb IIC resp. Ex eb IIC)                           |
| ATEX<br>Physikalisch Technische Bundesanstalt  | EN 60079    | PTB 11 ATEX 1041 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb) |
| CCC<br>CNEX                                    | GB/T 3836.3 | 2020312313000182 (Ex eb IIC Gb, Ex eb I Mb)                    |
| IECEx<br>Physikalisch Technische Bundesanstalt | IEC 60079   | IECEx PTB 11.0093U (Ex e IIC Gb or Ex e I Mb)                  |



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2000-2202

↓

Documentation

Bid Text

|           |            |                  |   |
|-----------|------------|------------------|---|
| 2000-2202 | 19.02.2019 | xml<br>3.80 KB   | ↓ |
| 2000-2202 | 07.08.2018 | docx<br>14.61 KB | ↓ |

CAD/CAE-Data

CAD data

2D/3D Models  
2000-2202

↓

CAE data

EPLAN Data Portal  
2000-2202

↓

WSCAD Universe  
2000-2202

↓

ZUKEN Portal  
2000-2202

↓

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



Item No.: 2000-2291  
End plate; 0.7 mm thick; gray



Item No.: 2000-2292  
End plate; 0.7 mm thick; orange

1.2 Optional Accessories

1.2.1 DIN-rail

1.2.1.1 Mounting accessories



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



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



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



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



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



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



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



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



1.2.2 Ferrule

1.2.2.1 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; white



[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; gray



[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; red

1.2.3 Installation

1.2.3.1 Cover



[Item No.: 709-156](#)  
Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent

1.2.3.2 Cover carrier



[Item No.: 709-169](#)  
Cover carrier; Type 3; incl. fixing/retaining screws and knurled nut; suitable for 279 to 282 and 880 Series rail-mounted terminal blocks; suitable for 264 Series miniature rail-mounted terminal blocks; suitable for 270 Series sensor and actuator terminal blocks; gray

1.2.4 Jumper

1.2.4.1 Jumper



[Item No.: 2000-406/020-000](#)  
Delta jumper; insulated; light gray



[Item No.: 2000-410/000-006](#)  
Jumper; 10-way; insulated; blue



[Item No.: 2000-410](#)  
Jumper; 10-way; insulated; light gray



[Item No.: 2000-410/000-005](#)  
Jumper; 10-way; insulated; red



[Item No.: 2000-402/000-006](#)  
Jumper; 2-way; insulated; blue



[Item No.: 2000-402](#)  
Jumper; 2-way; insulated; light gray



[Item No.: 2000-402/000-005](#)  
Jumper; 2-way; insulated; red



[Item No.: 2000-402/000-018](#)  
Jumper; 2-way; insulated; yellow-green



[Item No.: 2000-403/000-006](#)  
Jumper; 3-way; insulated; blue



[Item No.: 2000-403](#)  
Jumper; 3-way; insulated; light gray



[Item No.: 2000-403/000-005](#)  
Jumper; 3-way; insulated; red



[Item No.: 2000-404/000-006](#)  
Jumper; 4-way; insulated; blue



[Item No.: 2000-404](#)  
Jumper; 4-way; insulated; light gray



[Item No.: 2000-404/000-005](#)  
Jumper; 4-way; insulated; red



[Item No.: 2000-405/000-006](#)  
Jumper; 5-way; insulated; blue



[Item No.: 2000-405](#)  
Jumper; 5-way; insulated; light gray



[Item No.: 2000-405/000-005](#)  
Jumper; 5-way; insulated; red



[Item No.: 2000-406/000-006](#)  
Jumper; 6-way; insulated; blue



[Item No.: 2000-406](#)  
Jumper; 6-way; insulated; light gray



[Item No.: 2000-406/000-005](#)  
Jumper; 6-way; insulated; red



[Item No.: 2000-407/000-006](#)  
Jumper; 7-way; insulated; blue



[Item No.: 2000-407](#)  
Jumper; 7-way; insulated; light gray



[Item No.: 2000-407/000-005](#)  
Jumper; 7-way; insulated; red



[Item No.: 2000-408/000-006](#)  
Jumper; 8-way; insulated; blue



1.2.4.1 Jumper

|                                                                                                                                                               |                                                                                                                                                               |                                                                                                                                                                 |                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 2000-408</b><br>Jumper; 8-way; insulated; light gray        | <br><b>Item No.: 2000-408/000-005</b><br>Jumper; 8-way; insulated; red       | <br><b>Item No.: 2000-409/000-006</b><br>Jumper; 9-way; insulated; blue       | <br><b>Item No.: 2000-409</b><br>Jumper; 9-way; insulated; light gray                    |
| <br><b>Item No.: 2000-409/000-005</b><br>Jumper; 9-way; insulated; red       | <br><b>Item No.: 2000-440</b><br>Jumper; from 1 to 10; insulated; light gray | <br><b>Item No.: 2000-433/000-006</b><br>Jumper; from 1 to 3; insulated; blue | <br><b>Item No.: 2000-433</b><br>Jumper; from 1 to 3; insulated; light gray              |
| <br><b>Item No.: 2000-433/000-005</b><br>Jumper; from 1 to 3; insulated; red | <br><b>Item No.: 2000-434</b><br>Jumper; from 1 to 4; insulated; light gray  | <br><b>Item No.: 2000-435</b><br>Jumper; from 1 to 5; insulated; light gray   | <br><b>Item No.: 2000-436</b><br>Jumper; from 1 to 6; insulated; light gray              |
| <br><b>Item No.: 2000-437</b><br>Jumper; from 1 to 7; insulated; light gray  | <br><b>Item No.: 2000-438</b><br>Jumper; from 1 to 8; insulated; light gray  | <br><b>Item No.: 2000-439</b><br>Jumper; from 1 to 9; insulated; light gray   | <br><b>Item No.: 2000-405/011-000</b><br>Star point jumper; 3-way; insulated; light gray |
| <br><b>Item No.: 2000-492</b><br>Vertical jumper; insulated; light gray      | <br><b>Item No.: 210-103</b><br>Wire commoning chain; insulated; black       | <br><b>Item No.: 210-123</b><br>Wire commoning chain; insulated; blue         |                                                                                                                                                                             |

1.2.5 Marking

1.2.5.1 Marker

|                                                                                                                                                                                                                  |                                                                                                                                                                                                             |                                                                                                                                                                                                            |                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 793-3501</b><br>WMB marking card; as card; plain; snap-on type; white                                        | <br><b>Item No.: 2009-113/000-006</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; blue   | <br><b>Item No.: 2009-113/000-007</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; gray | <br><b>Item No.: 2009-113/000-023</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; green  |
| <br><b>Item No.: 2009-113/000-017</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; light green | <br><b>Item No.: 2009-113/000-012</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; orange | <br><b>Item No.: 2009-113/000-005</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; red  | <br><b>Item No.: 2009-113/000-024</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; violet |
| <br><b>Item No.: 2009-113</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white               | <br><b>Item No.: 2009-113/000-002</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; yellow |                                                                                                                                                                                                            |                                                                                                                                                                                                               |

1.2.5.2 Marker carrier

|                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 2000-121</b><br>Adaptor; gray |
|-----------------------------------------------------------------------------------------------------------------------------------|

1.2.5.3 Marking strip

|                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 2009-110</b><br>Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

1.2.6 Protective warning marker

1.2.6.1 Cover



**Item No.: 2000-115**  
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.2.7 Push-in type wire jumper

1.2.7.1 Jumper



**Item No.: 2009-404**  
Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 110 mm long; gray



**Item No.: 2009-406**  
Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 250 mm long; gray



**Item No.: 2009-402**  
Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 60 mm long; gray

1.2.8 Screwless end stop

1.2.8.1 Mounting accessories



**Item No.: 249-117**  
Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray



**Item No.: 249-116**  
Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

1.2.9 Test and measurement

1.2.9.1 Testing accessories



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



**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

1.2.10 Tool

1.2.10.1 Operating tool



**Item No.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



**Item No.: 210-648**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short



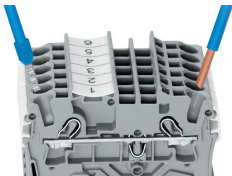
**Item No.: 210-647**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

Installation Notes

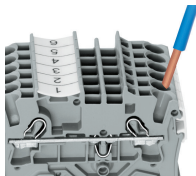
Conductor termination



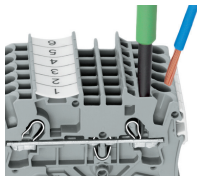
All conductor types at a glance



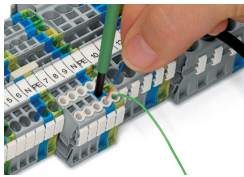
Push-in termination of solid and ferruled conductors



**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.

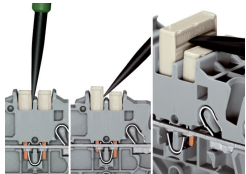


**Inserting a conductor via operating tool:**  
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.  
**Advantage:**  
To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees for easier wiring.

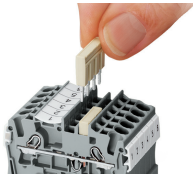


Conductor termination – insulation stop

Commoning

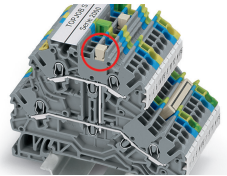


**Removing a push-in type jumper bar:**  
Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper.  
Place the operating tool in the center of jumpers for up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.



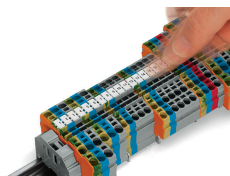
Insert push-in type jumper bar and push down until it hits backstop.

Commoning

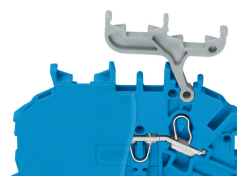
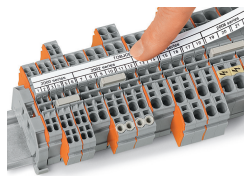


Commoning two levels via double-deck vertical jumper (Item No. 2000-492).

## Marking



Snapping WMB Inline markers into marker slots.

**Double-Deck Terminal Blocks**

A double-deck marker carrier (Item No. 2000-121) can be retrofitted to double-deck terminal blocks without a marker carrier.