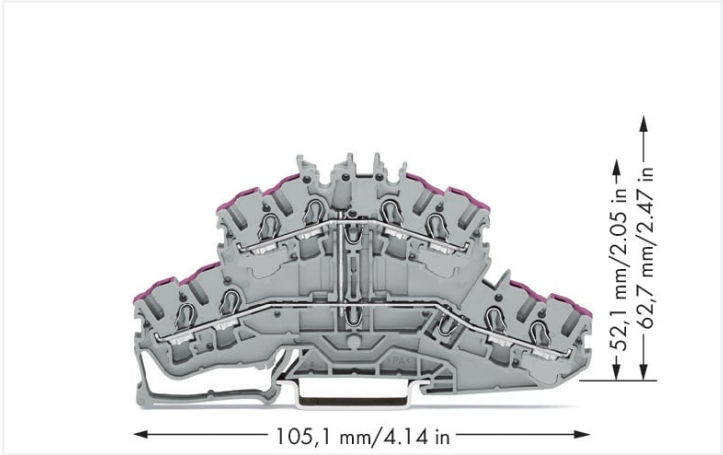


Data Sheet | Item Number: 2002-2408

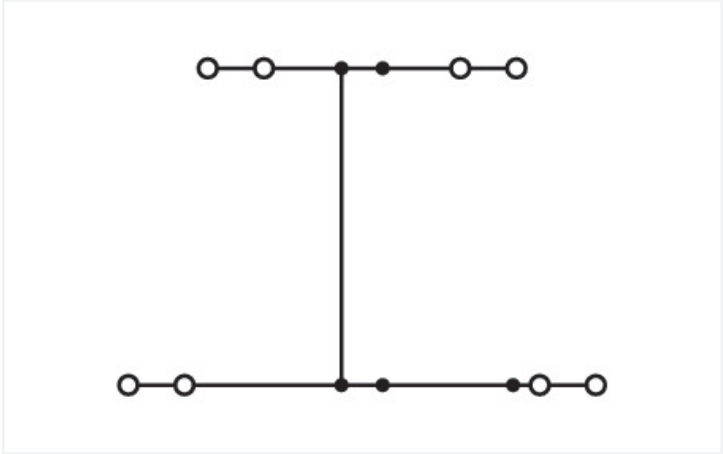
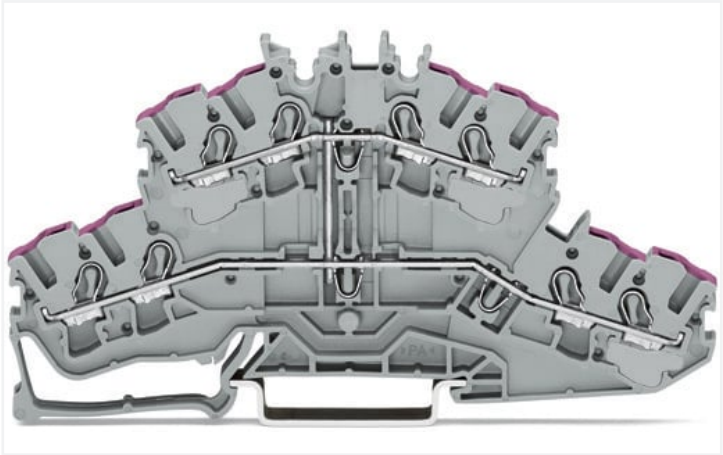
4-conductor double deck terminal block; 8-conductor through terminal block; L; without marker carrier; internal commoning; conductor entry with violet marking; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; Push-in CAGE CLAMP®; 2,50 mm²; gray



<https://www.wago.com/2002-2408>



Color: gray



Similar to illustration

| Electrical data                               |                                                           |                                     |                                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------|
| Ratings per IEC/EN                            |                                                           | Ratings per UL 1059                 |                                                                                                     |
| Ratings per                                   | IEC/EN 60947-7-1                                          | Approvals per                       | UL 1059                                                                                             |
| Nominal voltage (III/3)                       | 800 V                                                     | Rated voltage UL (Use Group B)      | 600 V                                                                                               |
| Rated impulse voltage (III/3)                 | 8 kV                                                      | Rated current UL (Use Group B)      | 20 A                                                                                                |
| Rated current                                 | 24 A                                                      | Rated voltage UL (Use Group C)      | 600 V                                                                                               |
| Current at conductor cross-section (max.) mm² | 28 A                                                      | Rated current UL (Use Group C)      | 20 A                                                                                                |
| Legend (ratings)                              | (III / 3) △ Overvoltage category III / Pollution degree 3 |                                     |                                                                                                     |
|                                               |                                                           |                                     |                                                                                                     |
| Ratings per CSA                               |                                                           | Ex information                      |                                                                                                     |
| Approvals per                                 | CSA 22.2 No 158                                           | Reference hazardous areas           | See “Downloads – Documentation – Additional Information: Technical Section; Technical Explications” |
| Rated voltage CSA (Use Group B)               | 600 V                                                     | Ratings per                         | ATEX: PTB 03 ATEX 1162 U / IECEx: PTB 03.0004U (Ex eb IIC Gb)                                       |
| Rated current CSA (Use Group B)               | 20 A                                                      | Rated voltage EN (Ex e II)          | 550 V                                                                                               |
| Rated voltage CSA (Use Group C)               | 600 V                                                     | Rated current (Ex e II)             | 21 A                                                                                                |
| Rated current CSA (Use Group C)               | 20 A                                                      | Rated current (Ex e II) with jumper | 17 A                                                                                                |
| Rated voltage CSA (Use Group D)               | 600 V                                                     |                                     |                                                                                                     |
| Rated current CSA (Use Group D)               | 20 A                                                      |                                     |                                                                                                     |

## Ex information

|                      |                       |
|----------------------|-----------------------|
| Rated current (note) | Staggered jumper 16 A |
|----------------------|-----------------------|

## Power loss

|                                                              |                  |
|--------------------------------------------------------------|------------------|
| Power loss, per pole (potential)                             | 0.7661 W         |
| Rated current $I_N$ for specified power loss                 | 24 A             |
| Resistance value for specified, current-dependent power loss | 0.00133 $\Omega$ |

## Connection data

|                              |   |
|------------------------------|---|
| Connection points            | 8 |
| Total number of potentials   | 1 |
| Number of levels             | 2 |
| Number of jumper slots       | 2 |
| Anzahl Brückeraufnahmen Rang | 2 |

## Connection 1

|                                                            |                                                                                                                                   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Connection technology                                      | Push-in CAGE CLAMP®                                                                                                               |
| Actuation type                                             | Operating tool                                                                                                                    |
| 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                                                                                                    |
| Fine-stranded conductor; with insulated ferrule            | 0.25 ... 2.5 mm² / 22 ... 14 AWG                                                                                                  |
| Fine-stranded conductor; with ferrule; push-in termination | 1 ... 2.5 mm² / 18 ... 14 AWG                                                                                                     |
| Note (conductor cross-section)                             | Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. |
| Strip length                                               | 10 ... 12 mm / 0.39 ... 0.47 inches                                                                                               |
| Wiring direction                                           | Front-entry wiring                                                                                                                |

## Physical data

|                                   |                         |
|-----------------------------------|-------------------------|
| Width                             | 5.2 mm / 0.205 inches   |
| Height                            | 105.1 mm / 4.138 inches |
| Depth from upper-edge of DIN-rail | 52.1 mm / 2.051 inches  |

## Mechanical data

|                   |                     |
|-------------------|---------------------|
| Potential marking | 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         | Polyamide (PA66)                                                         |
| Flammability class per UL94 | V0                                                                       |
| Fire load                   | 0.3 MJ                                                                   |
| Weight                      | 16.1 g                                                                   |



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

| Commercial data       |               |
|-----------------------|---------------|
| Product Group         | 22 (TOPJOB S) |
| eCl@ss 10.0           | 27-14-11-20   |
| eCl@ss 9.0            | 27-14-11-20   |
| ETIM 8.0              | EC000897      |
| ETIM 7.0              | EC000897      |
| PU (SPU)              | 50 pcs        |
| Packaging type        | Box           |
| Country of origin     | CN            |
| GTIN                  | 4050821145011 |
| Customs tariff number | 85369010000   |

Approvals / Certificates

| General approvals                       |               |                  | Declarations of conformity and manufacturer's declarations |          |                  |
|-----------------------------------------|---------------|------------------|------------------------------------------------------------|----------|------------------|
|                                         |               |                  |                                                            |          |                  |
| Approval                                | Standard      | Certificate Name | Approval                                                   | Standard | Certificate Name |
| CCA<br>DEKRA Certification B.V.         | EN 60947      | 71-120369        | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| CCA<br>DEKRA Certification B.V.         | EN 60947      | NTR NL 7892      | Railway<br>WAGO GmbH & Co. KG                              | -        | Railway Ready    |
| CSA<br>DEKRA Certification B.V.         | C22.2 No. 158 | 1536069          | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| UL<br>Underwriters Laboratories<br>Inc. | UL 1059       | E45172           |                                                            |          |                  |

Approvals for marine applications

| Approval                                              | Standard | Certificate Name |
|-------------------------------------------------------|----------|------------------|
| ABS<br>American Bureau of Ship-<br>ping               | EN 60947 | 20-HG1941090-PDA |
| DNV GL<br>Det Norske Veritas, Ger-<br>manischer Lloyd | -        | TAE00001V2       |

Approvals for hazardous areas

| Approval                                          | Standard       | Certificate Name                                            |
|---------------------------------------------------|----------------|-------------------------------------------------------------|
| AEx<br>Underwriters Laboratories<br>Inc.          | UL 60079       | E185892 (AEx eb IIC resp.<br>Ex eb IIC)                     |
| ATEX<br>Physikalisch Technische<br>Bundesanstalt  | EN 60079       | PTB 03 ATEX 1162 U (II2G<br>Ex eb IIC Gb, IM2 Ex eb<br>IMb) |
| CCC<br>CNEX                                       | GB/T 3836.3    | 2020312313000238 (Ex<br>eb IIC Gb, Ex eb I Mb)              |
| EAC<br>Brjansker Zertifizierungs-<br>stelle       | TP TC 012/2011 | RU C-DE.AM02.<br>B.00127/19 (Ex e IIC Gb U)                 |
| IECEx<br>Physikalisch Technische<br>Bundesanstalt | IEC 60079      | IECEx PTB 03.0004U (Ex<br>eb IIC Gb or Ex eb I Mb)          |
| INMETRO<br>TÜV Rheinland do Brasil<br>Ltda.       | IEC 60079      | TÜV 12.1307 U                                               |

Downloads



Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2002-2408

↓

Documentation

Additional Information

Technical Sectionpdf2142.18 KB

↓

Bid Text

2002-240823.04.2019xml4.11 KB

↓

2002-240818.04.2019docx14.96 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models 2002-2408

↓

CAE data

EPLAN Data Portal 2002-2408

↓

WSCAD Universe 2002-2408

↓

ZUKEN Portal 2002-2408

↓

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



Item No.: [2002-2491](#)  
End and intermediate plate; 0.8 mm thick; gray



Item No.: [2002-2492](#)  
End and intermediate plate; 0.8 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.: 210-508**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-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.: 210-506**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; 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.: 210-504**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; 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



**Item No.: 210-505**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored

1.2.2 End plate

1.2.2.1 End plate



**Item No.: 209-192**  
Separator for Ex e/Ex i applications; 3 mm thick; 125.5 mm wide; orange

1.2.3 Ferrule

1.2.3.1 Ferrule



**Item No.: 216-241**  
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



**Item No.: 216-242**  
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-262**  
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-243**  
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



**Item No.: 216-263**  
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



**Item No.: 216-244**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item No.: 216-264**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



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



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

1.2.4 Installation

## 1.2.4.1 Cover



Item No.: 709-156

Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent

## 1.2.4.2 Cover carrier



Item No.: 709-169

Cover carrier; Type 3; gray

## 1.2.5 Insulation stop

## 1.2.5.1 Insulation stop



Item No.: 2002-171

Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip; light gray

Item No.: 2002-172

Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/strip; dark gray

## 1.2.6 Jumper

## 1.2.6.1 Jumper



Item No.: 2002-400

Continuous jumper; 2-way; insulated; light gray



Item No.: 2002-423/000-006

Continuous jumper; from 1 to 3; insulated; blue



Item No.: 2002-423

Continuous jumper; from 1 to 3; insulated; light gray



Item No.: 2002-423/000-005

Continuous jumper; from 1 to 3; insulated; red



Item No.: 2002-424/000-006

Continuous jumper; from 1 to 4; insulated; blue



Item No.: 2002-424

Continuous jumper; from 1 to 4; insulated; light gray



Item No.: 2002-424/000-005

Continuous jumper; from 1 to 4; insulated; red



Item No.: 2002-406/020-000

Delta jumper; insulated; light gray



Item No.: 2002-410/000-006

Jumper; 10-way; insulated; blue



Item No.: 2002-410

Jumper; 10-way; insulated; light gray



Item No.: 2002-410/000-005

Jumper; 10-way; insulated; red



Item No.: 2002-402/000-006

Jumper; 2-way; insulated; blue



Item No.: 2002-402

Jumper; 2-way; insulated; light gray



Item No.: 2002-402/000-005

Jumper; 2-way; insulated; red



Item No.: 2002-403/000-006

Jumper; 3-way; insulated; blue



Item No.: 2002-403

Jumper; 3-way; insulated; light gray



Item No.: 2002-403/000-005

Jumper; 3-way; insulated; red



Item No.: 2002-404/000-006

Jumper; 4-way; insulated; blue



Item No.: 2002-404

Jumper; 4-way; insulated; light gray



Item No.: 2002-404/000-005

Jumper; 4-way; insulated; red



Item No.: 2002-405/000-006

Jumper; 5-way; insulated; blue



Item No.: 2002-405

Jumper; 5-way; insulated; light gray



Item No.: 2002-405/000-005

Jumper; 5-way; insulated; red



Item No.: 2002-406/000-006

Jumper; 6-way; insulated; blue



Item No.: 2002-406

Jumper; 6-way; insulated; light gray



Item No.: 2002-406/000-005

Jumper; 6-way; insulated; red



Item No.: 2002-407/000-006

Jumper; 7-way; insulated; blue



Item No.: 2002-407

Jumper; 7-way; insulated; light gray



Item No.: 2002-407/000-005

Jumper; 7-way; insulated; red



Item No.: 2002-408/000-006

Jumper; 8-way; insulated; blue



Item No.: 2002-408

Jumper; 8-way; insulated; light gray



Item No.: 2002-408/000-005

Jumper; 8-way; insulated; red

## 1.2.6.1 Jumper



**Item No.: 2002-409/000-006**  
Jumper; 9-way; insulated; blue



**Item No.: 2002-409**  
Jumper; 9-way; insulated; light gray



**Item No.: 2002-409/000-005**  
Jumper; 9-way; insulated; red



**Item No.: 2002-440**  
Jumper; from 1 to 10; insulated; light gray



**Item No.: 2002-433**  
Jumper; from 1 to 3; insulated; light gray



**Item No.: 2002-434**  
Jumper; from 1 to 4; insulated; light gray



**Item No.: 2002-435**  
Jumper; from 1 to 5; insulated; light gray



**Item No.: 2002-436**  
Jumper; from 1 to 6; insulated; light gray



**Item No.: 2002-437**  
Jumper; from 1 to 7; insulated; light gray



**Item No.: 2002-438**  
Jumper; from 1 to 8; insulated; light gray



**Item No.: 2002-439**  
Jumper; from 1 to 9; insulated; light gray



**Item No.: 2002-480**  
Staggered jumper; 10-way; insulated; light gray



**Item No.: 2002-481**  
Staggered jumper; 11-way; insulated; light gray



**Item No.: 2002-482**  
Staggered jumper; 12-way; insulated; light gray



**Item No.: 2002-473/011-000**  
Staggered jumper; 2-way; from 1 to 3; insulated; light gray



**Item No.: 2002-472**  
Staggered jumper; 2-way; insulated; light gray



**Item No.: 2002-473**  
Staggered jumper; 3-way; insulated; light gray



**Item No.: 2002-475/011-000**  
Staggered jumper; 3-way; insulated; light gray



**Item No.: 2002-474**  
Staggered jumper; 4-way; insulated; light gray



**Item No.: 2002-475**  
Staggered jumper; 5-way; insulated; light gray



**Item No.: 2002-476**  
Staggered jumper; 6-way; insulated; light gray



**Item No.: 2002-477**  
Staggered jumper; 7-way; insulated; light gray



**Item No.: 2002-478**  
Staggered jumper; 8-way; insulated; light gray



**Item No.: 2002-479**  
Staggered jumper; 9-way; insulated; light gray



**Item No.: 2002-477/011-000**  
Staggered jumper; insulated; light gray



**Item No.: 2002-479/011-000**  
Staggered jumper; insulated; light gray



**Item No.: 2002-481/011-000**  
Staggered jumper; insulated; light gray



**Item No.: 2002-405/011-000**  
Star point jumper; 3-way; insulated; light gray



**Item No.: 210-103**  
Wire commoning chain; insulated; black



**Item No.: 210-123**  
Wire commoning chain; insulated; blue

## 1.2.7 Marking

## 1.2.7.1 Group marker carrier



**Item No.: 2009-191**  
Group marker carrier; gray



**Item No.: 2009-192**  
Group marker carrier; gray



**Item No.: 2009-193**  
Group marker carrier; gray

## 1.2.7.2 Marker



**Item No.: 2009-145/000-006**  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue



**Item No.: 2009-145/000-007**  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray



**Item No.: 2009-145/000-023**  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green



**Item No.: 2009-145/000-012**  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange



**Item No.: 2009-145/000-005**  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red



**Item No.: 2009-145/000-024**  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet



**Item No.: 2009-145**  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



**Item No.: 2009-145/000-002**  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

## 1.2.7.2 Marker

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Item No.: 248-501**

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

**Item No.: 248-501/000-002**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Item No.: 793-5501**

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

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

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

**Item No.: 2009-115/000-006**

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

**Item No.: 2009-115/000-007**

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

**Item No.: 2009-115/000-023**

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

**Item No.: 2009-115/000-017**

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

**Item No.: 2009-115/000-012**

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

**Item No.: 2009-115/000-005**

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

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

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

**Item No.: 2009-115**

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

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

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

## 1.2.7.3 Marker carrier

**Item No.: 2002-121**

Adaptor; gray

**Item No.: 2002-161**

Adaptor; gray

**Item No.: 2009-198**

Adaptor; gray

## 1.2.7.4 Marking strip

**Item No.: 2009-110**

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

## 1.2.8 Protective warning marker



1.2.8.1 Cover



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

1.2.9 Push-in type wire jumper

1.2.9.1 Jumper



**Item No.: 2009-414**  
Push-in type wire jumper; 1.5 mm<sup>2</sup>; insulated; 110 mm long; black



**Item No.: 2009-414/000-005**  
Push-in type wire jumper; 1.5 mm<sup>2</sup>; insulated; 110 mm long; black



**Item No.: 2009-416**  
Push-in type wire jumper; 1.5 mm<sup>2</sup>; insulated; 250 mm long; black



**Item No.: 2009-414/000-006**  
Push-in type wire jumper; insulated; 110 mm long; black



**Item No.: 2009-412**  
Push-in type wire jumper; insulated; 60 mm long; black

1.2.10 Test and measurement

1.2.10.1 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



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



**Item No.: 2002-611**  
TOPJOB®S L-type test plug module; modular; 1-pole; 2,50 mm<sup>2</sup>; gray

1.2.11 Tool

1.2.11.1 Operating tool



**Item No.: 210-658**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured



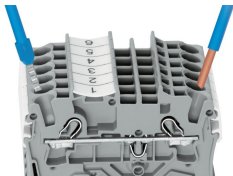
**Item No.: 210-720**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

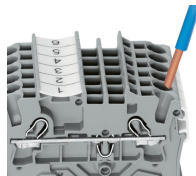
Conductor termination



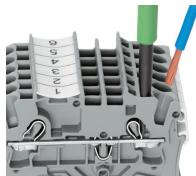
All conductor types at a glance



Push-in termination of solid and ferruled conductors

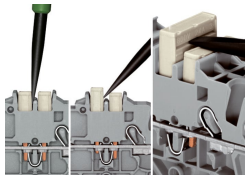


Inserting a conductor via push-in termination:  
Solid conductors with cross-sections from either one size above, or up to two sizes below, the rated cross-section can be simply pushed in – no tools needed.

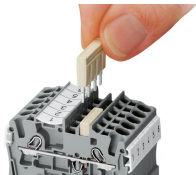


Inserting a conductor via operating tool:  
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.  
Advantage:  
To open the clamp, the operating tool is inserted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

Commoning

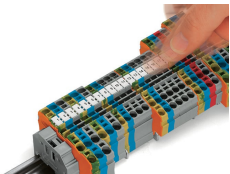


Removing a push-in type jumper bar:  
Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper.  
Place the operating tool in the center of jumpers for up to five contacts (see above), or alternately on both sides for jumpers with more than five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

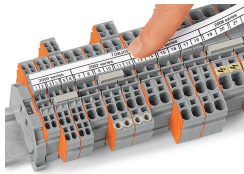


Insert push-in type jumper bar and push down until it hits backstop.

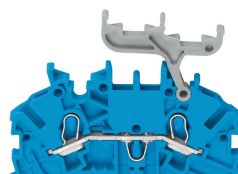
Marking



Snapping WMB Inline markers into marker slots.



Double-deck terminal blocks



A double-deck marker carrier (2002-121) can be retrofitted to double-deck terminal blocks without a marker carrier.