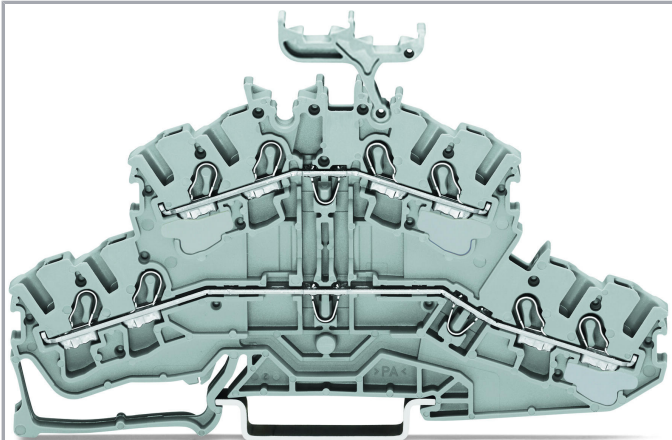


## Data sheet | Item number: 2002-2431

4-conductor double deck terminal block; Through/through terminal block; L /L; with marker carrier; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray

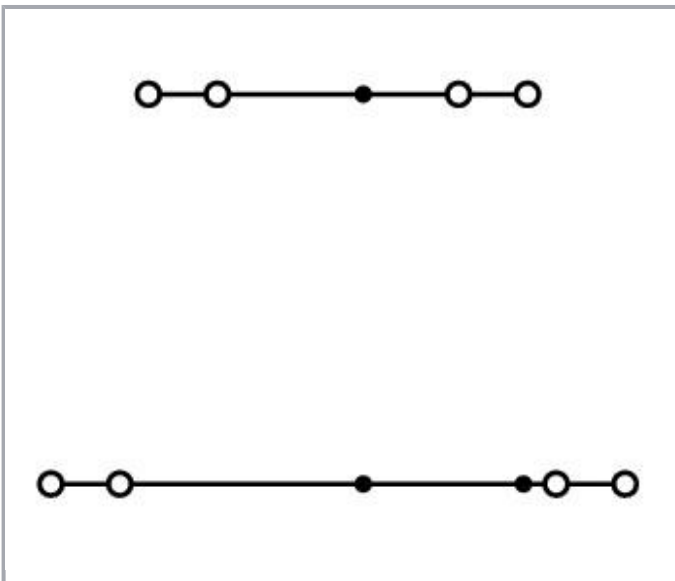
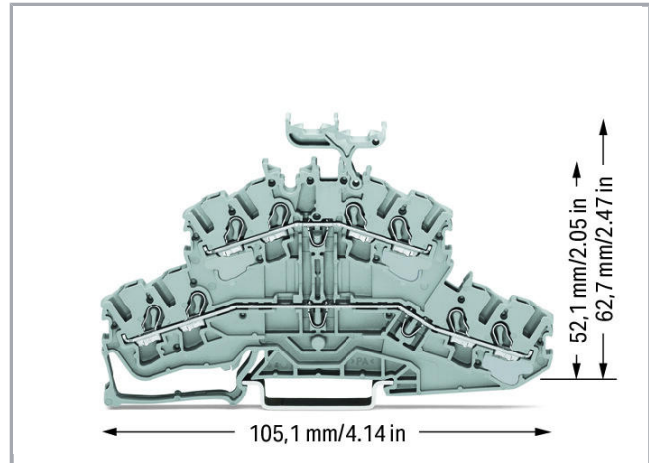
[www.wago.com/2002-2431](http://www.wago.com/2002-2431)



RoHS  
Compliant ✓

BOMcheck.net

Color: ■



### Data

#### Electrical data

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

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## Ratings per IEC/EN 60664-1

| Ratings per                 | IEC/EN 60947-7-1                                                     |
|-----------------------------|----------------------------------------------------------------------|
| Nominal voltage (III/3)     | 800 V                                                                |
| Rated surge voltage (III/3) | 8 kV                                                                 |
| Rated current               | 24 A                                                                 |
| Rated current 2             | 28 A                                                                 |
| Legend (ratings)            | (III / 3) $\triangleq$ Overvoltage category III / Pollution degree 3 |

## 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®                        |
| Number of connection points (connection type)              | 4                                          |
| Actuation type                                             | Push-in<br>Open Tool Slot                  |
| Connectable conductor materials                            | Copper                                     |
| Nominal cross-section                                      | 2,5 mm <sup>2</sup>                        |
| Solid conductor                                            | 0,25 ... 4 mm <sup>2</sup> / 22 ... 12 AWG |
| Solid conductor; push-in termination                       | 0,75 ... 4 mm <sup>2</sup> / 18 ... 12 AWG |
| Fine-stranded conductor                                    | 0,25 ... 4 mm <sup>2</sup> / 22 ... 12 AWG |
| Fine-stranded conductor; with insulated ferrule            | 1 ... 2,5 mm <sup>2</sup> / 18 ... 14 AWG  |
| Fine-stranded conductor; with ferrule; push-in termination | 1 ... 2,5 mm <sup>2</sup> / 18 ... 14 AWG  |
| Strip length                                               | 10 ... 12 mm / 0.39 ... 0.47 inch          |
| Number of connection points                                | 4                                          |
| Total number of connection points                          | 8                                          |
| Total number of potentials                                 | 2                                          |

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|                                |                                                                                                                                   |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Number of levels               | 2                                                                                                                                 |
| Wiring type                    | Front-entry wiring                                                                                                                |
| Note (conductor cross-section) | Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. |

## Geometrical Data

|                                    |                       |
|------------------------------------|-----------------------|
| Width                              | 5,2 mm / 0.205 inch   |
| Height from upper-edge of DIN-rail | 62,7 mm / 2.469 inch  |
| Depth                              | 105,1 mm / 4.138 inch |

## Mechanical data

|                   |                     |
|-------------------|---------------------|
| Design            | horizontal type     |
| Mounting type     | DIN-35 rail         |
| Potential marking | L/L                 |
| Marking level     | Center/side marking |

## Material Data

|                     |                      |
|---------------------|----------------------|
| Color               | gray                 |
| Insulation material | Polyamide 66 (PA 66) |
| Fire load           | 0.308 MJ             |
| Weight              | 16.2 g               |

## Commercial data

|                       |               |
|-----------------------|---------------|
| Product Group         | 22 (TOPJOB S) |
| Packaging type        | BOX           |
| Country of origin     | CN            |
| GTIN                  | 4050821144878 |
| Customs tariff number | 85369010000   |

## Approvals / Certificates

### Ex-Approvals

| Logo | Approval                                       | Additional Approval Text | Certificate name                                            |
|------|------------------------------------------------|--------------------------|-------------------------------------------------------------|
|      | IECEX<br>Physikalisch Technische Bundesanstalt | IEC 60079                | IECEX PTB<br>03.0004U<br>(Ex eb IIC<br>Gb or Ex<br>eb I Mb) |

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## Country specific Approvals

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

## Ship Approvals

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

## UL-Approvals

| Logo                                                                               | Approval                                       | Additional Approval Text | Certificate name    |
|------------------------------------------------------------------------------------|------------------------------------------------|--------------------------|---------------------|
|  | <b>cURus</b><br>Underwriters Laboratories Inc. | UL 1059                  | 20190731-<br>E45172 |

## Counterpart

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## Compatible products

## Marking accessories

|                                                                                    |                                                                                                                                                   |                                                                                   |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|    | <b>Item no.: 2002-161</b><br>Adaptor                                                                                                              | <a href="http://www.wago.com/2002-161">www.wago.com/2002-161</a>                  |
|    | <b>Item no.: 2009-110</b><br>Marking strips; on reel; not stretchable; plain; snap-on type; white                                                 | <a href="http://www.wago.com/2009-110">www.wago.com/2009-110</a>                  |
|    | <b>Item no.: 2009-115</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white               | <a href="http://www.wago.com/2009-115">www.wago.com/2009-115</a>                  |
|    | <b>Item no.: 2009-115/000-002</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow      | <a href="http://www.wago.com/2009-115/000-002">www.wago.com/2009-115 /000-002</a> |
|   | <b>Item no.: 2009-115/000-005</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red         | <a href="http://www.wago.com/2009-115/000-005">www.wago.com/2009-115 /000-005</a> |
|  | <b>Item no.: 2009-115/000-006</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue        | <a href="http://www.wago.com/2009-115/000-006">www.wago.com/2009-115 /000-006</a> |
|  | <b>Item no.: 2009-115/000-007</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray        | <a href="http://www.wago.com/2009-115/000-007">www.wago.com/2009-115 /000-007</a> |
|  | <b>Item no.: 2009-115/000-012</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange      | <a href="http://www.wago.com/2009-115/000-012">www.wago.com/2009-115 /000-012</a> |
|  | <b>Item no.: 2009-115/000-017</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green | <a href="http://www.wago.com/2009-115/000-017">www.wago.com/2009-115 /000-017</a> |
|  | <b>Item no.: 2009-115/000-023</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green       | <a href="http://www.wago.com/2009-115/000-023">www.wago.com/2009-115 /000-023</a> |
|  | <b>Item no.: 2009-115/000-024</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet      | <a href="http://www.wago.com/2009-115/000-024">www.wago.com/2009-115 /000-024</a> |

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

|                                                                                    |                                                                                                                                                   |                                                                                  |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|    | <b>Item no.: 2009-145</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white          | <a href="http://www.wago.com/2009-145">www.wago.com/2009-145</a>                 |
|    | <b>Item no.: 2009-145/000-002</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow | <a href="http://www.wago.com/2009-145/000-002">www.wago.com/2009-145/000-002</a> |
|    | <b>Item no.: 2009-145/000-005</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red    | <a href="http://www.wago.com/2009-145/000-005">www.wago.com/2009-145/000-005</a> |
|    | <b>Item no.: 2009-145/000-006</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue   | <a href="http://www.wago.com/2009-145/000-006">www.wago.com/2009-145/000-006</a> |
|    | <b>Item no.: 2009-145/000-007</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray   | <a href="http://www.wago.com/2009-145/000-007">www.wago.com/2009-145/000-007</a> |
|    | <b>Item no.: 2009-145/000-012</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange | <a href="http://www.wago.com/2009-145/000-012">www.wago.com/2009-145/000-012</a> |
|    | <b>Item no.: 2009-145/000-023</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green  | <a href="http://www.wago.com/2009-145/000-023">www.wago.com/2009-145/000-023</a> |
|  | <b>Item no.: 2009-145/000-024</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet | <a href="http://www.wago.com/2009-145/000-024">www.wago.com/2009-145/000-024</a> |
|  | <b>Item no.: 2009-191</b><br>Group marker carrier                                                                                                 | <a href="http://www.wago.com/2009-191">www.wago.com/2009-191</a>                 |
|  | <b>Item no.: 2009-192</b><br>Group marker carrier                                                                                                 | <a href="http://www.wago.com/2009-192">www.wago.com/2009-192</a>                 |
|  | <b>Item no.: 2009-193</b><br>Group marker carrier                                                                                                 | <a href="http://www.wago.com/2009-193">www.wago.com/2009-193</a>                 |
|  | <b>Item no.: 2009-198</b><br>Adaptor                                                                                                              | <a href="http://www.wago.com/2009-198">www.wago.com/2009-198</a>                 |
|  | <b>Item no.: 248-501</b><br>Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card                      | <a href="http://www.wago.com/248-501">www.wago.com/248-501</a>                   |
|  | <b>Item no.: 248-501/000-002</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow                                  | <a href="http://www.wago.com/248-501/000-002">www.wago.com/248-501/000-002</a>   |
|  | <b>Item no.: 248-501/000-005</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red                                     | <a href="http://www.wago.com/248-501/000-005">www.wago.com/248-501/000-005</a>   |

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

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

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

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

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

[www.wago.com/248-501/000-007](http://www.wago.com/248-501/000-007)**Item no.: 248-501/000-012**

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

[www.wago.com/248-501/000-012](http://www.wago.com/248-501/000-012)**Item no.: 248-501/000-017**

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

[www.wago.com/248-501/000-017](http://www.wago.com/248-501/000-017)**Item no.: 248-501/000-023**

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

[www.wago.com/248-501/000-023](http://www.wago.com/248-501/000-023)**Item no.: 248-501/000-024**

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

[www.wago.com/248-501/000-024](http://www.wago.com/248-501/000-024)**Item no.: 793-501**

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

[www.wago.com/793-501](http://www.wago.com/793-501)**Item no.: 793-501/000-002**

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

[www.wago.com/793-501/000-002](http://www.wago.com/793-501/000-002)**Item no.: 793-501/000-005**

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

[www.wago.com/793-501/000-005](http://www.wago.com/793-501/000-005)**Item no.: 793-501/000-006**

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

[www.wago.com/793-501/000-006](http://www.wago.com/793-501/000-006)**Item no.: 793-501/000-007**

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

[www.wago.com/793-501/000-007](http://www.wago.com/793-501/000-007)**Item no.: 793-501/000-012**

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

[www.wago.com/793-501/000-012](http://www.wago.com/793-501/000-012)**Item no.: 793-501/000-017**

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

[www.wago.com/793-501/000-017](http://www.wago.com/793-501/000-017)

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

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

[www.wago.com/793-501/000-023](http://www.wago.com/793-501/000-023)**Item no.: 793-501/000-024**

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

[www.wago.com/793-501/000-024](http://www.wago.com/793-501/000-024)**Item no.: 793-5501**

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

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

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

[www.wago.com/793-5501/000-002](http://www.wago.com/793-5501/000-002)**Item no.: 793-5501/000-005**

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

[www.wago.com/793-5501/000-005](http://www.wago.com/793-5501/000-005)**Item no.: 793-5501/000-006**

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

[www.wago.com/793-5501/000-006](http://www.wago.com/793-5501/000-006)**Item no.: 793-5501/000-007**

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

[www.wago.com/793-5501/000-007](http://www.wago.com/793-5501/000-007)**Item no.: 793-5501/000-012**

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

[www.wago.com/793-5501/000-012](http://www.wago.com/793-5501/000-012)**Item no.: 793-5501/000-014**

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

[www.wago.com/793-5501/000-014](http://www.wago.com/793-5501/000-014)**Item no.: 793-5501/000-017**

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

[www.wago.com/793-5501/000-017](http://www.wago.com/793-5501/000-017)**Item no.: 793-5501/000-023**

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

[www.wago.com/793-5501/000-023](http://www.wago.com/793-5501/000-023)**Item no.: 793-5501/000-024**

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

[www.wago.com/793-5501/000-024](http://www.wago.com/793-5501/000-024)**check****Item no.: 2002-611**TOPJOB®S L-type test plug module; modular; 1-pole; 2,50 mm<sup>2</sup>; gray[www.wago.com/2002-611](http://www.wago.com/2002-611)

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

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**Item no.: 2002-649**

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

[www.wago.com/2002-649](http://www.wago.com/2002-649)**Item no.: 2009-174**

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

[www.wago.com/2009-174](http://www.wago.com/2009-174)**Item no.: 2009-182**Testing tap; for max. 2.5 mm<sup>2</sup>; tool-free connection for individual test wires 0.08 - 2.5 mm; gray[www.wago.com/2009-182](http://www.wago.com/2009-182)**Carrier rail****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

[www.wago.com/210-112](http://www.wago.com/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

[www.wago.com/210-113](http://www.wago.com/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

[www.wago.com/210-114](http://www.wago.com/210-114)**Item no.: 210-115**

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

[www.wago.com/210-115](http://www.wago.com/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

[www.wago.com/210-118](http://www.wago.com/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; silver-colored

[www.wago.com/210-196](http://www.wago.com/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

[www.wago.com/210-197](http://www.wago.com/210-197)**Item no.: 210-198**

Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored

[www.wago.com/210-198](http://www.wago.com/210-198)**Item no.: 210-504**

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

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

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

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

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

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

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

[www.wago.com/210-508](http://www.wago.com/210-508)**Jumper****Item no.: 2002-400**

Adjacent jumper for continuous commoning; insulated; 2-way; Nominal current 25 A; light gray

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

Push-in type jumper bar; insulated; 2-way; Nominal current 25 A; light gray

[www.wago.com/2002-402](http://www.wago.com/2002-402)

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

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

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



**Item no.: 2002-406/000-006**

Push-in type jumper bar; insulated; 6-way; Nominal current 25 A; blue

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



**Item no.: 2002-406/020-000**

Delta jumper; insulated; 1-2 3-4 5-6; IN = IN terminal block; light gray

[www.wago.com/2002-406/020-000](http://www.wago.com/2002-406/020-000)



**Item no.: 2002-407**

Push-in type jumper bar; insulated; 7-way; Nominal current 25 A; light gray

[www.wago.com/2002-407](http://www.wago.com/2002-407)



**Item no.: 2002-407/000-005**

Push-in type jumper bar; insulated; 7-way; Nominal current 25 A; red

[www.wago.com/2002-407/000-005](http://www.wago.com/2002-407/000-005)



**Item no.: 2002-407/000-006**

Push-in type jumper bar; insulated; 7-way; Nominal current 25 A; blue

[www.wago.com/2002-407/000-006](http://www.wago.com/2002-407/000-006)



**Item no.: 2002-408**

Push-in type jumper bar; insulated; 8-way; Nominal current 25 A; light gray

[www.wago.com/2002-408](http://www.wago.com/2002-408)



**Item no.: 2002-408/000-005**

Push-in type jumper bar; insulated; 8-way; Nominal current 25 A; red

[www.wago.com/2002-408/000-005](http://www.wago.com/2002-408/000-005)



**Item no.: 2002-408/000-006**

Push-in type jumper bar; insulated; 8-way; Nominal current 25 A; blue

[www.wago.com/2002-408/000-006](http://www.wago.com/2002-408/000-006)



**Item no.: 2002-409**

Push-in type jumper bar; insulated; 9-way; Nominal current 25 A; light gray

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



**Item no.: 2002-409/000-005**

Push-in type jumper bar; insulated; 9-way; Nominal current 25 A; red

[www.wago.com/2002-409/000-005](http://www.wago.com/2002-409/000-005)



**Item no.: 2002-409/000-006**

Push-in type jumper bar; insulated; 9-way; Nominal current 25 A; blue

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



**Item no.: 2002-410**

Push-in type jumper bar; insulated; 10-way; Nominal current 25 A; light gray

[www.wago.com/2002-410](http://www.wago.com/2002-410)



**Item no.: 2002-410/000-005**

Push-in type jumper bar; insulated; 10-way; Nominal current 25 A; red

[www.wago.com/2002-410/000-005](http://www.wago.com/2002-410/000-005)



**Item no.: 2002-410/000-006**

Push-in type jumper bar; insulated; 10-way; Nominal current 25 A; blue

[www.wago.com/2002-410/000-006](http://www.wago.com/2002-410/000-006)

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

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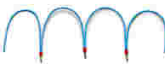
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|                                                                                    |                                                                                                                                                                                             |                                                                                  |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|    | <b>Item no.: 2002-423</b><br>Adjacent jumper for continuous commoning; insulated; from 1 to 3; Nominal current 25 A; light gray                                                             | <a href="http://www.wago.com/2002-423">www.wago.com/2002-423</a>                 |
|    | <b>Item no.: 2002-423/000-005</b><br>Adjacent jumper for continuous commoning; insulated; from 1 to 3; Nominal current 25 A; red                                                            | <a href="http://www.wago.com/2002-423/000-005">www.wago.com/2002-423/000-005</a> |
|    | <b>Item no.: 2002-423/000-006</b><br>Adjacent jumper for continuous commoning; insulated; from 1 to 3; Nominal current 25 A; blue                                                           | <a href="http://www.wago.com/2002-423/000-006">www.wago.com/2002-423/000-006</a> |
|    | <b>Item no.: 2002-433</b><br>Push-in type jumper bar; insulated; from 1 to 3; Nominal current 25 A; light gray                                                                              | <a href="http://www.wago.com/2002-433">www.wago.com/2002-433</a>                 |
|    | <b>Item no.: 2002-434</b><br>Push-in type jumper bar; insulated; from 1 to 4; Nominal current 25 A; light gray                                                                              | <a href="http://www.wago.com/2002-434">www.wago.com/2002-434</a>                 |
|    | <b>Item no.: 2002-435</b><br>Push-in type jumper bar; insulated; from 1 to 5; Nominal current 25 A; light gray                                                                              | <a href="http://www.wago.com/2002-435">www.wago.com/2002-435</a>                 |
|    | <b>Item no.: 2002-436</b><br>Push-in type jumper bar; insulated; from 1 to 6; Nominal current 25 A; light gray                                                                              | <a href="http://www.wago.com/2002-436">www.wago.com/2002-436</a>                 |
|    | <b>Item no.: 2002-437</b><br>Push-in type jumper bar; insulated; from 1 to 7; Nominal current 25 A; light gray                                                                              | <a href="http://www.wago.com/2002-437">www.wago.com/2002-437</a>                 |
|   | <b>Item no.: 2002-438</b><br>Push-in type jumper bar; insulated; from 1 to 8; Nominal current 25 A; light gray                                                                              | <a href="http://www.wago.com/2002-438">www.wago.com/2002-438</a>                 |
|  | <b>Item no.: 2002-439</b><br>Push-in type jumper bar; insulated; from 1 to 9; Nominal current 25 A; light gray                                                                              | <a href="http://www.wago.com/2002-439">www.wago.com/2002-439</a>                 |
|  | <b>Item no.: 2002-440</b><br>Push-in type jumper bar; insulated; from 1 to 10; Nominal current 25 A; light gray                                                                             | <a href="http://www.wago.com/2002-440">www.wago.com/2002-440</a>                 |
|  | <b>Item no.: 2002-472</b><br>Staggered jumper; insulated; 2-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks; light gray                           | <a href="http://www.wago.com/2002-472">www.wago.com/2002-472</a>                 |
|  | <b>Item no.: 2002-473</b><br>Staggered jumper; insulated; 3-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks; light gray                           | <a href="http://www.wago.com/2002-473">www.wago.com/2002-473</a>                 |
|                                                                                    | <b>Item no.: 2002-473/011-000</b><br>Ready-made staggered jumper; insulated; 2-way (1-3); Nominal current 25 A; with contact lugs broken off at the factory and circuit marking; light gray | <a href="http://www.wago.com/2002-473/011-000">www.wago.com/2002-473/011-000</a> |
|  | <b>Item no.: 2002-474</b><br>Staggered jumper; insulated; 4-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks; light gray                           | <a href="http://www.wago.com/2002-474">www.wago.com/2002-474</a>                 |
|  | <b>Item no.: 2002-475</b><br>Staggered jumper; insulated; 5-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks; light gray                           | <a href="http://www.wago.com/2002-475">www.wago.com/2002-475</a>                 |

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

|                                                                                    |                                                                                                                                                                                               |                                                                                  |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|                                                                                    | <b>Item no.: 2002-475/011-000</b><br>Ready-made staggered jumper; insulated; 3-way (1-3-5); Nominal current 25 A; with contact lugs broken off at the factory and circuit marking; light gray | <a href="http://www.wago.com/2002-475/011-000">www.wago.com/2002-475/011-000</a> |
|    | <b>Item no.: 2002-476</b><br>Staggered jumper; insulated; 6-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks; light gray                             | <a href="http://www.wago.com/2002-476">www.wago.com/2002-476</a>                 |
|    | <b>Item no.: 2002-477</b><br>Staggered jumper; insulated; 7-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks; light gray                             | <a href="http://www.wago.com/2002-477">www.wago.com/2002-477</a>                 |
|    | <b>Item no.: 2002-477/011-000</b><br>Ready-made staggered jumper; insulated; 1-3-5-7; Nominal current 25 A; with contact lugs broken off at the factory and circuit marking; light gray       | <a href="http://www.wago.com/2002-477/011-000">www.wago.com/2002-477/011-000</a> |
|    | <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; light gray                             | <a href="http://www.wago.com/2002-478">www.wago.com/2002-478</a>                 |
|    | <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; light gray                             | <a href="http://www.wago.com/2002-479">www.wago.com/2002-479</a>                 |
|                                                                                    | <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; light gray     | <a href="http://www.wago.com/2002-479/011-000">www.wago.com/2002-479/011-000</a> |
|   | <b>Item no.: 2002-480</b><br>Staggered jumper; insulated; 10-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks; light gray                            | <a href="http://www.wago.com/2002-480">www.wago.com/2002-480</a>                 |
|  | <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; light gray                            | <a href="http://www.wago.com/2002-481">www.wago.com/2002-481</a>                 |
|                                                                                    | <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; light gray  | <a href="http://www.wago.com/2002-481/011-000">www.wago.com/2002-481/011-000</a> |
|  | <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; light gray                            | <a href="http://www.wago.com/2002-482">www.wago.com/2002-482</a>                 |
|   | <b>Item no.: 2002-492</b><br>Double-deck vertical jumper; insulated; light gray                                                                                                               | <a href="http://www.wago.com/2002-492">www.wago.com/2002-492</a>                 |
|   | <b>Item no.: 2002-492/000-012</b><br>Double-deck vertical jumper; insulated; orange                                                                                                           | <a href="http://www.wago.com/2002-492/000-012">www.wago.com/2002-492/000-012</a> |
|  | <b>Item no.: 210-103</b><br>Wire commoning chain; insulated; black                                                                                                                            | <a href="http://www.wago.com/210-103">www.wago.com/210-103</a>                   |
|  | <b>Item no.: 210-123</b><br>Wire commoning chain; insulated; blue                                                                                                                             | <a href="http://www.wago.com/210-123">www.wago.com/210-123</a>                   |

#### Protective Warning Marker

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

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**Item no.: 2002-115**

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

[www.wago.com/2002-115](http://www.wago.com/2002-115)**Push-In type wire jumper****Item no.: 2009-412**

Push-in type wire jumper; insulated; 60 mm long; black

[www.wago.com/2009-412](http://www.wago.com/2009-412)**Item no.: 2009-414**Push-in type wire jumper; 1.5 mm<sup>2</sup>; insulated; 110 mm long; black[www.wago.com/2009-414](http://www.wago.com/2009-414)**Item no.: 2009-414/000-005**Push-in type wire jumper; 1.5 mm<sup>2</sup>; insulated; 110 mm long; black[www.wago.com/2009-414/000-005](http://www.wago.com/2009-414/000-005)**Item no.: 2009-414/000-006**

Push-in type wire jumper; insulated; 110 mm long; black

[www.wago.com/2009-414/000-006](http://www.wago.com/2009-414/000-006)**Item no.: 2009-416**Push-in type wire jumper; 1.5 mm<sup>2</sup>; insulated; 250 mm long; black[www.wago.com/2009-416](http://www.wago.com/2009-416)**tools****Item no.: 210-658**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short

[www.wago.com/210-658](http://www.wago.com/210-658)**Item no.: 210-720**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft

[www.wago.com/210-720](http://www.wago.com/210-720)**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[www.wago.com/216-241](http://www.wago.com/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; gray[www.wago.com/216-242](http://www.wago.com/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; red[www.wago.com/216-243](http://www.wago.com/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; black[www.wago.com/216-244](http://www.wago.com/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; blue[www.wago.com/216-246](http://www.wago.com/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; gray[www.wago.com/216-262](http://www.wago.com/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; red[www.wago.com/216-263](http://www.wago.com/216-263)

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

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**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

[www.wago.com/216-264](http://www.wago.com/216-264)**Item no.: 216-266**

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

[www.wago.com/216-266](http://www.wago.com/216-266)**Insulation stop****Item no.: 2002-171**

Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray

[www.wago.com/2002-171](http://www.wago.com/2002-171)**Item no.: 2002-172**

Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray

[www.wago.com/2002-172](http://www.wago.com/2002-172)**Downloads****Documentation****Bid Text**

|                                |              |                 |          |
|--------------------------------|--------------|-----------------|----------|
| 2002-2431<br>GAEB docx - Datei | Apr 18, 2019 | docx<br>15.3 kB | Download |
| 2002-2431<br>GAEB X81 - Datei  | Apr 23, 2019 | xml<br>4.1 kB   | Download |

**CAD/CAE-Data****CAD data**

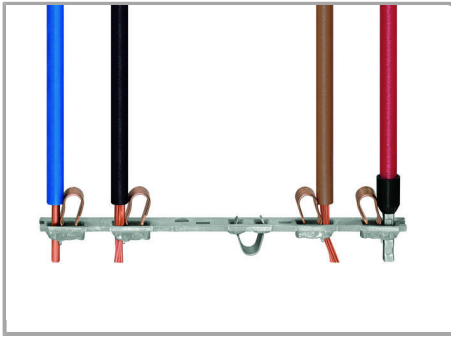
|                        |     |          |
|------------------------|-----|----------|
| 2D/3D Models 2002-2431 | URL | Download |
|------------------------|-----|----------|

**CAE data**

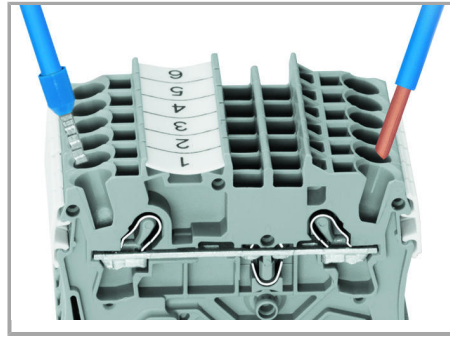
|                             |     |          |
|-----------------------------|-----|----------|
| EPLAN Data Portal 2002-2431 | URL | Download |
| WSCAD Universe 2002-2431    | URL | Download |

**Installation Notes****Conductor termination**

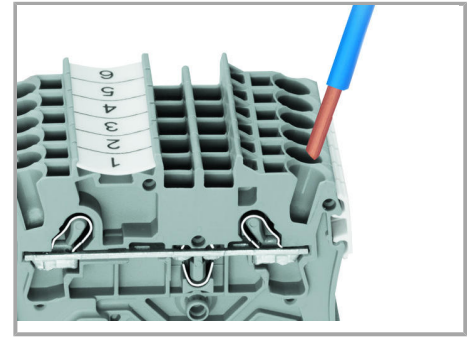
Subject to changes. Please also observe the further product documentation!



All conductor types at a glance



Terminating solid and ferruled conductors via push-in connection.



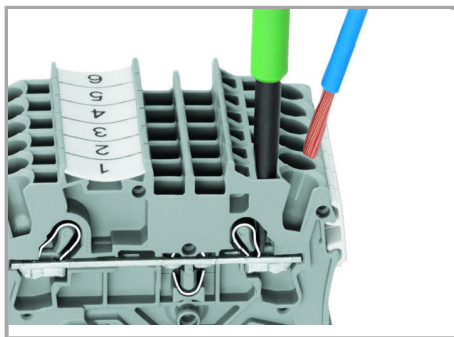
Inserting conductors via push-in termination.

**Solid conductors** with cross-sections from either one size above, or up to two sizes below, the rated cross-section can be simply pushed in – no tools needed.

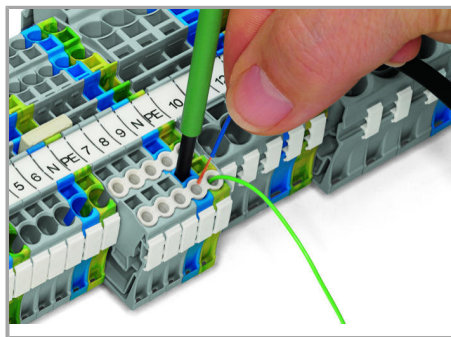
Subject to changes. Please also observe the further product documentation!

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Inserting a conductor via operating tool.



Conductor termination – Insulation stop.

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.

#### The smart feature:

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

#### Product family

##### TOPJOB® S

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

[Show all products from the family](#)

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