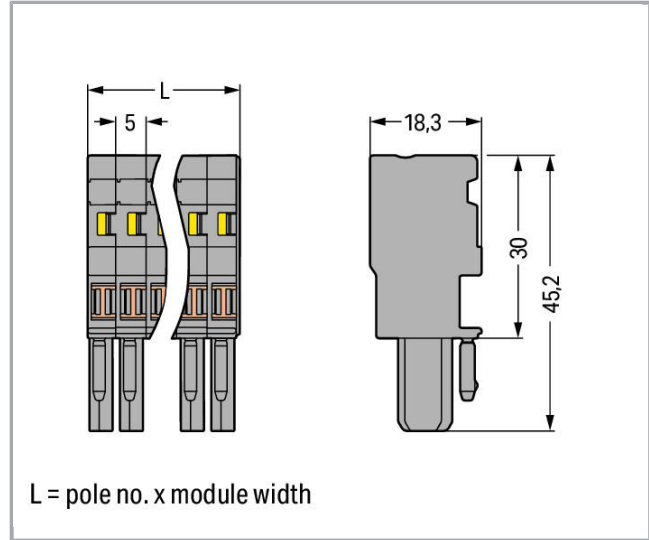
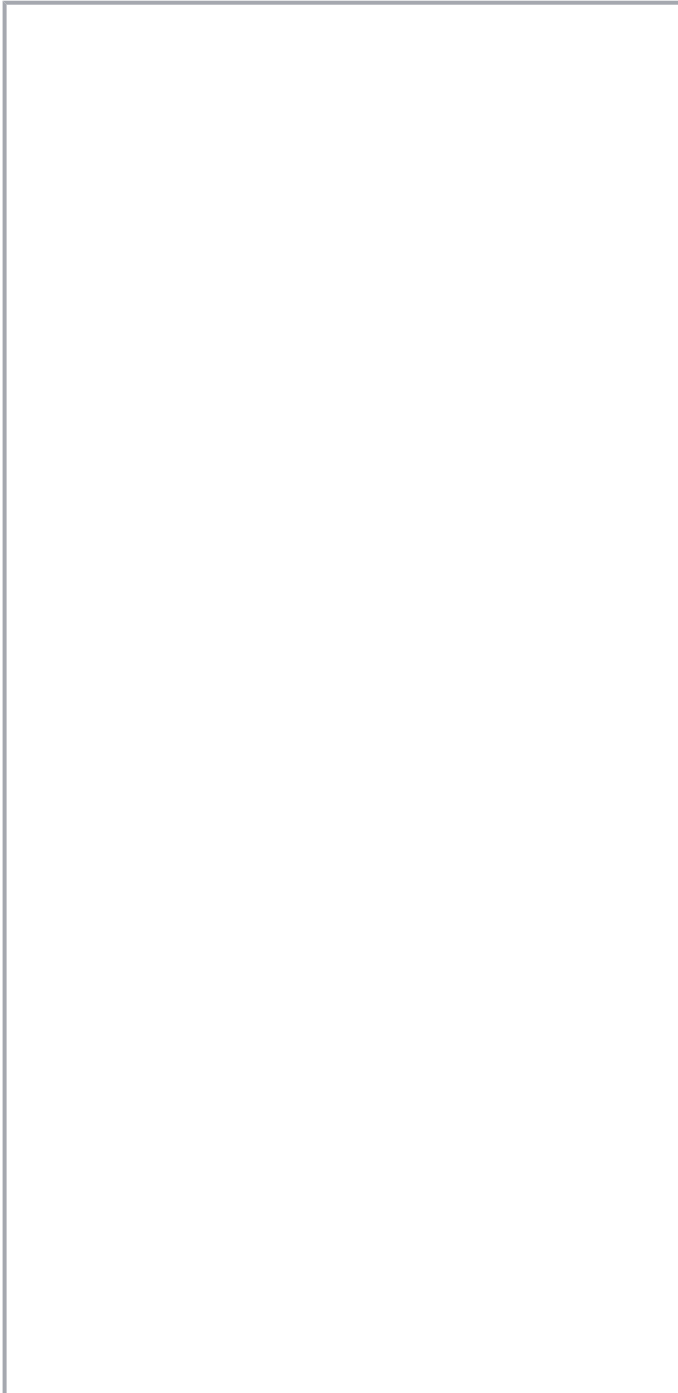


**Data sheet | Item number: 769-101**

1-conductor female plug; 4 mm<sup>2</sup>; 1-pole; 4,00 mm<sup>2</sup>; gray

[www.wago.com/769-101](http://www.wago.com/769-101)



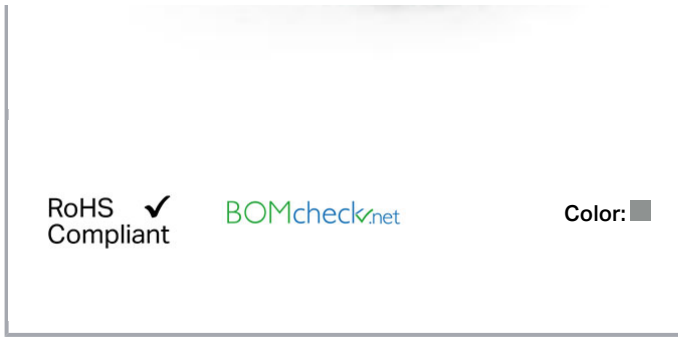
Subject to changes. Please also observe the further product documentation!

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## Item description

According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.

### Safety information 1:

According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.

## Data

### Electrical data

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

| Ratings per                     | IEC/EN 61984  |
|---------------------------------|---|
| Rated voltage (III / 3)         | 500 V   |
| Rated impulse voltage (III / 3) | 6 kV  |
| Rated current                   | 32 A  |
| Legend (ratings)                | (III / 3) $\hat{=}$ Overvoltage category III / Pollution degree 3 |

### Connection data

|                                   |  |
|-----------------------------------|--|
| Connection technology             | CAGE CLAMP®                                |
| Actuation type                    | Operating tool                             |
| Connectable conductor materials   | Copper                                     |
| Nominal cross section             | 4 mm <sup>2</sup>                          |
| Solid conductor                   | 0,08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Fine-stranded conductor           | 0,08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Strip length                      | 8 ... 9 mm / 0.31 ... 0.35 inch            |
| No. of poles                      | 1  |
| Total number of connection points | 1  |
| Total number of potentials        | 1  |

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



Type of wiring

Front-entry wiring

### Geometrical Data

|              |                     |
|--------------|---------------------|
| Width        | 5 mm / 0.197 inch   |
| Height       | 45,2 mm / 1.78 inch |
| Depth        | 18,3 mm / 0.72 inch |
| Module width | 5 mm / 0.197 inch   |

### Mechanical data

|               |              |
|---------------|--------------|
| Marking level | Side marking |
|---------------|--------------|

### Plug connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector connection type          | for conductor           |

### Material Data


|                     |                      |
|---------------------|----------------------|
| Color               | gray                 |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load           | 0.054 MJ             |
| Weight              | 3.4 g                |

### Commercial data

|                    |                   |
|--------------------|-------------------|
| Product Group      | 18 (X-COM-System) |
| Packaging type     | BOX               |
| Country of origin  | DE                |
| GTIN               | 4044918471268     |
| Customs Tariff No. | 85366990990       |

### Approvals / Certificates

#### Country specific Approvals

| Logo   | Approval                        | Additional Approval Text | Certificate name |
|--|---------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | EN 60947                 | NTR NL-<br>7626  |
|  | CCA                             | EN 61984                 | 2190419.02       |

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

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DEKRA Certification B.V.



|                                 |           |                 |
|---------------------------------|-----------|-----------------|
| CCA<br>DEKRA Certification B.V. | IEC 61984 | NL-47799<br>/A1 |
|---------------------------------|-----------|-----------------|







|                                 |               |         |
|---------------------------------|---------------|---------|
| CSA<br>DEKRA Certification B.V. | C22.2 No. 158 | 1101144 |
|---------------------------------|---------------|---------|




|                                       |          |            |
|---------------------------------------|----------|------------|
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947 | 2190419.01 |
|---------------------------------------|----------|------------|

## 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                 | 07436/E0 BV              |
|   | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE00001V2               |
|  | <b>LR</b><br>Lloyds Register                            | EN 60947                 | 91/20112<br>(E9)         |

## UL-Approvals

| Logo   | Approval                                    | Additional Approval Text | Certificate name    |
|--|---|--------------------------|---------------------|
|  | <b>UR</b><br>Underwriters Laboratories Inc. | UL 1059                  | 20190731-<br>E45172 |
|  | <b>UR</b><br>Underwriters Laboratories Inc. | UL 1977                  | 20151210-<br>E45171 |



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



## Counterpart

## Compatible products




### Insulation stop

|  |  |  |
|--|--|--|
|  | <b>Item no.: 769-470</b><br>Insulation stop; 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st"); 5 pieces/strip; white | <a href="http://www.wago.com/769-470">www.wago.com/769-470</a> |
|   | <b>Item no.: 769-471</b><br>Insulation stop; 0.25 - 0.5 mm <sup>2</sup> ; 5 pieces/strip; light gray                             | <a href="http://www.wago.com/769-471">www.wago.com/769-471</a> |
|  | <b>Item no.: 769-472</b><br>Insulation stop; 0.75 - 1 mm <sup>2</sup> ; 5 pieces/strip; dark gray                                | <a href="http://www.wago.com/769-472">www.wago.com/769-472</a> |

### General accessories

|  |   |  |
|--|---|--|
|  | <b>Item no.: 769-436</b><br>Jumper cover; for 1-conductor female plugs; for 5 poles; gray | <a href="http://www.wago.com/769-436">www.wago.com/769-436</a> |
|--|---|--|

### ferrule

|  |  |  |
|--|--|--|
|  | <b>Item no.: 216-101</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated      | <a href="http://www.wago.com/216-101">www.wago.com/216-101</a> |
|  | <b>Item no.: 216-102</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated     | <a href="http://www.wago.com/216-102">www.wago.com/216-102</a> |
|  | <b>Item no.: 216-103</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated        | <a href="http://www.wago.com/216-103">www.wago.com/216-103</a> |
|  | <b>Item no.: 216-104</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated      | <a href="http://www.wago.com/216-104">www.wago.com/216-104</a> |
|  | <b>Item no.: 216-201</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; white | <a href="http://www.wago.com/216-201">www.wago.com/216-201</a> |

**Item no.: 216-202**

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

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray[www.wago.com/216-202](http://www.wago.com/216-202)**Item no.: 216-203**Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; red[www.wago.com/216-203](http://www.wago.com/216-203)**Item no.: 216-204**Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; black[www.wago.com/216-204](http://www.wago.com/216-204)**Item no.: 216-206**Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; blue[www.wago.com/216-206](http://www.wago.com/216-206)**Item no.: 216-301**Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow[www.wago.com/216-301](http://www.wago.com/216-301)**Item no.: 216-302**Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated; green[www.wago.com/216-302](http://www.wago.com/216-302)**Test Accessories****Item no.: 210-136**

Test plug; 2 mm Ø; with 500 mm cable; red

[www.wago.com/210-136](http://www.wago.com/210-136)**Item no.: 210-137**

Test plug; 2.3 mm Ø; with 500 mm cable; yellow

[www.wago.com/210-137](http://www.wago.com/210-137)**Jumper****Item no.: 769-402**

Miniature adjacent jumper; insulated; suitable for 1-conductor female plugs; gray

[www.wago.com/769-402](http://www.wago.com/769-402)**Locking lever****Item no.: 769-428**

Locking lever; gray

[www.wago.com/769-428](http://www.wago.com/769-428)**Item no.: 769-429**

Locking lever; orange

[www.wago.com/769-429](http://www.wago.com/769-429)**Protective Warning Marker****Item no.: 280-415**

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

[www.wago.com/280-415](http://www.wago.com/280-415)**Marking accessories****Item no.: 2009-145**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/2009-145](http://www.wago.com/2009-145)**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; white /000-002

[www.wago.com/2009-145](http://www.wago.com/2009-145)**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

[www.wago.com/2009-145](http://www.wago.com/2009-145)

/000-005

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**Item no.: 2009-145/000-006** [www.wago.com/2009-145/000-006](http://www.wago.com/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** [www.wago.com/2009-145/000-007](http://www.wago.com/2009-145/000-007)  
 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white


**Item no.: 2009-145/000-012** [www.wago.com/2009-145/000-012](http://www.wago.com/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.: 2009-145/000-023** [www.wago.com/2009-145/000-023](http://www.wago.com/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.: 2009-145/000-024** [www.wago.com/2009-145/000-024](http://www.wago.com/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.: 210-805** [www.wago.com/210-805](http://www.wago.com/210-805)  
 Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; white


**Item no.: 210-805/000-002** [www.wago.com/210-805/000-002](http://www.wago.com/210-805/000-002)  
 Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; yellow

 **Item no.: 210-831** [www.wago.com/210-831](http://www.wago.com/210-831)  
 Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white

**Item no.: 210-832** [www.wago.com/210-832](http://www.wago.com/210-832)  
 Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white


**Item no.: 210-834** [www.wago.com/210-834](http://www.wago.com/210-834)  
 Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

**Item no.: 248-501** [www.wago.com/248-501](http://www.wago.com/248-501)  
 Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card

 **Item no.: 248-501/000-002** [www.wago.com/248-501/000-002](http://www.wago.com/248-501/000-002)  
 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

**Item no.: 248-501/000-005** [www.wago.com/248-501/000-005](http://www.wago.com/248-501/000-005)  
 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red

**Item no.: 248-501/000-006** [www.wago.com/248-501/000-006](http://www.wago.com/248-501/000-006)  
 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue

 **Item no.: 248-501/000-007** [www.wago.com/248-501/000-007](http://www.wago.com/248-501/000-007)  
 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray

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





**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)

### Strain relief plate



**Item no.: 769-410**  
Strain relief plate; gray

[www.wago.com/769-410](http://www.wago.com/769-410)



**Item no.: 769-414**  
Strain relief plate; gray

[www.wago.com/769-414](http://www.wago.com/769-414)

## Downloads

### Documentation

#### Additional Information

|                        |             |               |          |
|------------------------|-------------|---------------|----------|
| Technical explanations | Apr 3, 2019 | pdf<br>2.1 MB | Download |
|------------------------|-------------|---------------|----------|

## CAD/CAE-Data

### CAD data

|                      |     |          |
|----------------------|-----|----------|
| 2D/3D Models 769-101 | URL | Download |
|----------------------|-----|----------|

### CAE data

|                           |     |          |
|---------------------------|-----|----------|
| EPLAN Data Portal 769-101 | URL | Download |
|---------------------------|-----|----------|

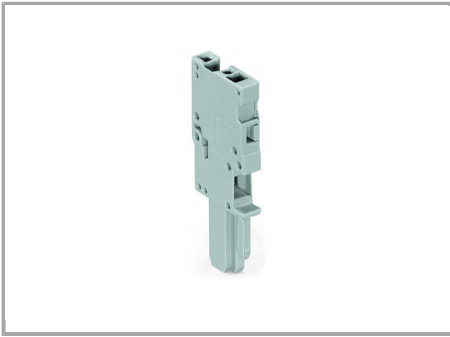
|                        |     |          |
|------------------------|-----|----------|
| WSCAD Universe 769-101 | URL | Download |
|------------------------|-----|----------|

## Installation Notes

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

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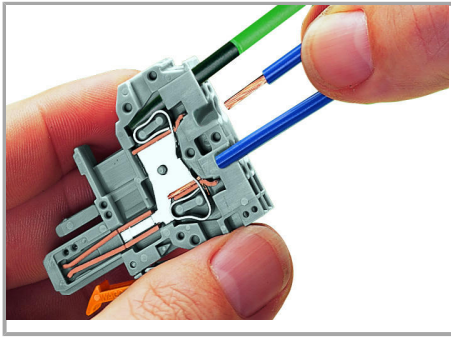


**Application examples for 1-pole female plug:**

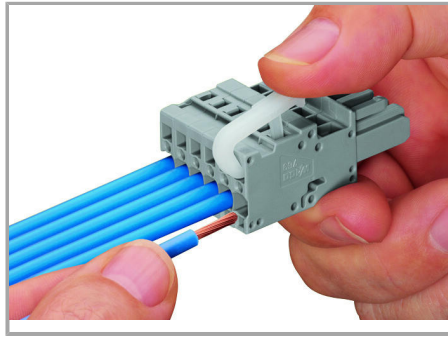
- Phase selection in three-phase network
- 
- Test plug with rated current capability
- 
- Simplified circuit expansion – addition of base circuits requires only female plugs to be plugged in
- 

**Conductor termination**

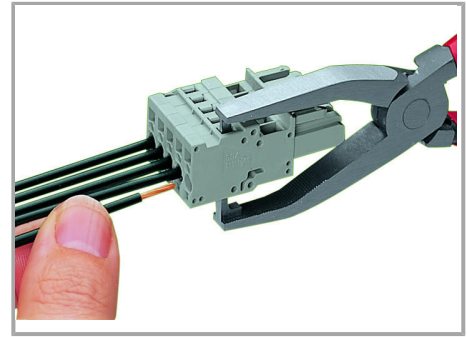
Subject to changes. Please also observe the further product documentation!



CAGE CLAMP® connection



Operating lever



Operating tool

Female plug: Inserting/removing a conductor via operating tool.

Inserting a conductor via operating tool – side-entry wiring (example shows a female plug).

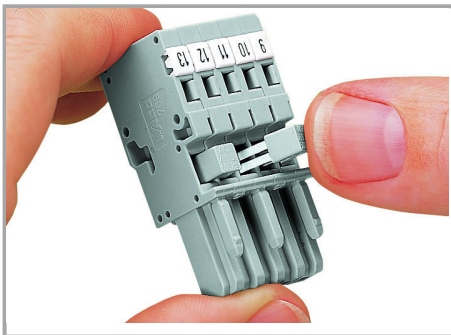
Inserting a conductor via operating tool – side-entry wiring (example shows a female plug).

Operation 90° to conductor is also possible.

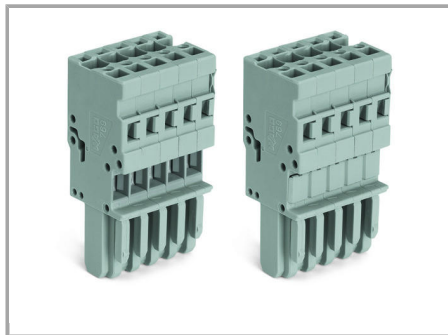
With ferruled conductors, it is necessary to use a terminal block one size smaller than the conductor's nominal cross section.

With ferruled conductors, it is necessary to use a terminal block one size smaller than the conductor's nominal cross section.

### Commoning



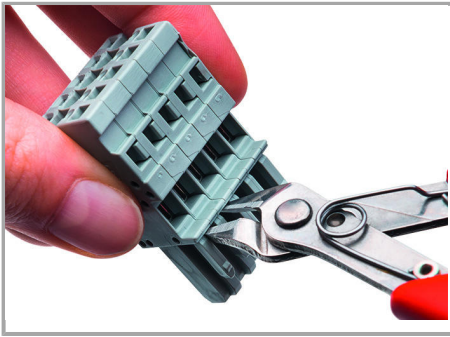
Commoning 1-conductor female plugs via miniature adjacent jumpers.



Jumper cover for 1-conductor female plugs

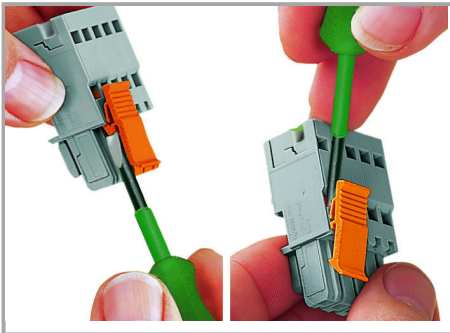
### Coding

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



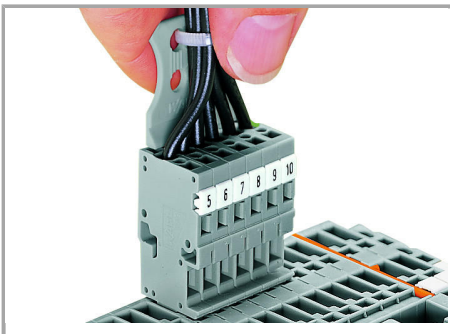
Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.

#### Locking lever



Locking/releasing a lever.

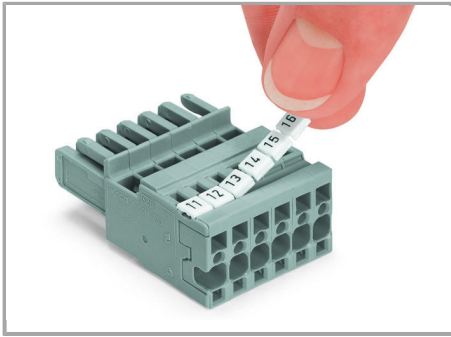
#### Strain Relief



Removing a female plug via conductor bundle provided with strain relief plate.

#### Marking

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



Labeling a female plug with CAGE CLAMP® connection via Mini-WSB quick markers.

## Product family

### X-COM

[Learn more about the product family.](#)

[Show all products from the family](#)

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