

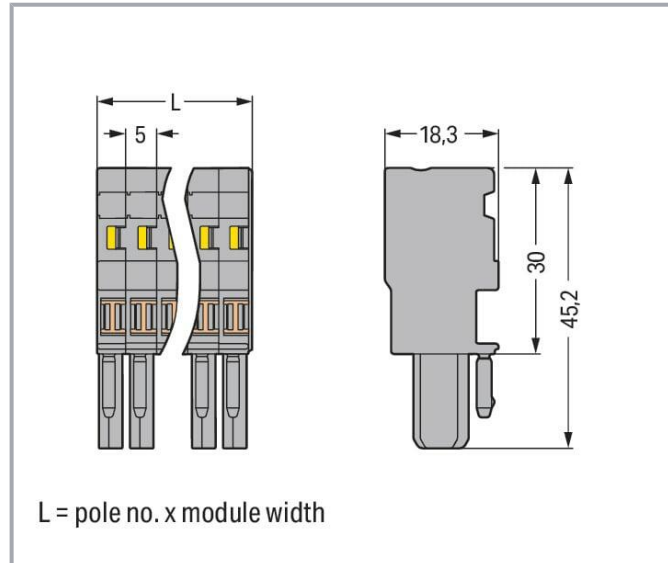
**Data sheet | Item number: 769-101/000-016**

1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 1-pole; coding finger; 4,00 mm²; green-yellow

[www.wago.com/769-101/000-016](http://www.wago.com/769-101/000-016)



Color:



**Data  
Notes**

Safety information

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

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

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under load.

## Electrical data

### Ratings per IEC/EN

|                  |              |
|------------------|--------------|
| Ratings per      | IEC/EN 61984 |
| Legend (ratings) |              |

## Connection data

|                            |   |
|----------------------------|---|
| Connection points          | 1 |
| Total number of potentials | 1 |

### Connection 1

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Connection technology           | CAGE CLAMP®                       |
| Actuation type                  | Operating tool                    |
| Connectable conductor materials | Copper                            |
| Nominal cross-section           | 4 mm² / 12 AWG                    |
| Solid conductor                 | 0.08 ... 4 mm² / 28 ... 12 AWG    |
| Fine-stranded conductor         | 0.08 ... 4 mm² / 28 ... 12 AWG    |
| Strip length                    | 8 ... 9 mm / 0.31 ... 0.35 inches |
| Pole number                     | 1                                 |
| Wiring direction                | Front-entry wiring                |

## Physical data

|              |                       |
|--------------|-----------------------|
| Width        | 5 mm / 0.197 inches   |
| Height       | 45.2 mm / 1.78 inches |
| Depth        | 18.3 mm / 0.72 inches |
| Module width | 5 mm / 0.197 inches   |

## Mechanical Data

|                                                        |              |
|--------------------------------------------------------|--------------|
| Variable coding                                        | Yes          |
| Direct ground contact to DIN-rail/drilled hole/housing | No           |
| Marking level                                          | Side marking |
| Anti-rotation protection                               | Yes          |

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## Plug-in connection

|                                      |                         |
|--------------------------------------|-------------------------|
| Contact type (pluggable connector)   | Female connector/socket |
| Connector (connection type)          | for conductor           |
| Mismating protection                 | No                      |
| Plugging without loss of pin spacing | Yes                     |

## Material data

|                             |                                                          |
|-----------------------------|----------------------------------------------------------|
| Note (material data)        | Information on material specifications can be found here |
| Color                       | green-yellow                                             |
| Material group              | I                                                        |
| Insulation material         | Polyamide (PA66)                                         |
| Flammability class per UL94 | V0                                                       |
| Fire load                   | 0.053 MJ                                                 |
| Halogen-free                | Yes                                                      |
| Weight                      | 3.2 g                                                    |

## Environmental requirements

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

## Commercial data

|                       |                   |
|-----------------------|-------------------|
| Product Group         | 18 (X-COM-System) |
| eCl@ss 10.0           | 27-14-11-06       |
| eCl@ss 9.0            | 27-14-11-06       |
| ETIM 8.0              | EC001284          |
| ETIM 7.0              | EC001284          |
| PU (SPU)              | 100 pcs           |
| Packaging type        | box               |
| Country of origin     | DE                |
| GTIN                  | 4044918471275     |
| Customs tariff number | 85366990990       |

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## Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

## Approvals / Certificates

### General approvals

| Logo                                                                               | Approval                              | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------|--------------------------|------------------|
|    | CCA<br>DEKRA Certification B.V.       | EN 60947                 | NTR NL-7626      |
|    | CCA<br>DEKRA Certification B.V.       | EN 61984                 | 2190419.02       |
|                                                                                    | CCA<br>DEKRA Certification B.V.       | IEC 61984                | NL-47799 /A1     |
|   | CSA<br>CSA Group                      | C22.2                    | 1101144          |
|  | KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947                 | 2190419.01       |
|  | UL<br>Underwriters Laboratories Inc.  | UL 1977                  | E 45171          |
|  | UR<br>Underwriters Laboratories Inc.  | UL 1059                  | E45172           |

### Declarations of conformity and manufacturer's declarations

| Logo                                                                               | Approval                                           | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------|------------------|
|  | EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | -                        | -                |

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UK-Declaration of Conformity  
WAGO GmbH & Co. KG

## Approvals for marine applications

| Logo                                                                             | Approval                                  | Additional Approval Text | Certificate name         |
|----------------------------------------------------------------------------------|-------------------------------------------|--------------------------|--------------------------|
|  | <b>ABS</b><br>American Bureau of Shipping | EN 60947                 | 20-<br>HG1941090-<br>PDA |

## Counterpart

|                                                                                    |                                                                                                                                                                                                                                                             |                                                                  |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|    | <b>Item no.769-237</b><br>1-conductor/1-pin ground carrier terminal block; 4 mm <sup>2</sup> ; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 4,00 mm <sup>2</sup> ; green-yellow                                                                          | <a href="http://www.wago.com/769-237">www.wago.com/769-237</a>   |
|    | <b>Item no.769-207</b><br>4-pin ground carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; green-yellow                                                                                                                                              | <a href="http://www.wago.com/769-207">www.wago.com/769-207</a>   |
|    | <b>Item no.769-217</b><br>2-conductor/2-pin ground carrier terminal block; 4 mm <sup>2</sup> ; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 4,00 mm <sup>2</sup> ; green-yellow                                                                          | <a href="http://www.wago.com/769-217">www.wago.com/769-217</a>   |
|  | <b>Item no.769-227</b><br>2-pin ground carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; green-yellow                                                                                                                                              | <a href="http://www.wago.com/769-227">www.wago.com/769-227</a>   |
|  | <b>Item no.769-257</b><br>2-conductor/1-pin ground carrier terminal block; 4 mm <sup>2</sup> ; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 4,00 mm <sup>2</sup> ; green-yellow                                                                          | <a href="http://www.wago.com/769-257">www.wago.com/769-257</a>   |
|  | <b>Item no.870-107</b><br>2-conductor/2-pin, double-deck carrier terminal block; 2-conductor/2-pin ground terminal block; 2.5 mm <sup>2</sup> ; PE; internal commoning; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm <sup>2</sup> ; green-yellow | <a href="http://www.wago.com/870-107">www.wago.com/870-107</a>   |
|  | <b>Item no.870-1137</b><br>Double-deck terminal block; 4-conductor ground terminal block; 2.5 mm <sup>2</sup> ; PE; without marker carrier; internal commoning; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm <sup>2</sup> ; green-yellow         | <a href="http://www.wago.com/870-1137">www.wago.com/870-1137</a> |
|  | <b>Item no.870-137</b><br>4-conductor/4-pin, double-deck carrier terminal block; 4-conductor/4-pin ground terminal block; 2.5 mm <sup>2</sup> ; PE; internal commoning; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm <sup>2</sup> ; green-yellow | <a href="http://www.wago.com/870-137">www.wago.com/870-137</a>   |
|  | <b>Item no.870-157</b><br>4-pin, double-deck carrier terminal block; 4-pin ground conductor terminal block; PE; internal commoning; for DIN-rail 35 x 15 and 35 x 7.5; green-yellow                                                                         | <a href="http://www.wago.com/870-157">www.wago.com/870-157</a>   |

## Optional accessories

### Jumpers

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

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## Jumper

|                                                                                 |                                                     |                                                                |
|---------------------------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 769-402</b><br>Jumper; insulated; gray | <a href="http://www.wago.com/769-402">www.wago.com/769-402</a> |
|---------------------------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------|

## Ferrule

## Ferrule

|                                                                                   |                                                                                                                                |                                                                |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|    | <b>Item no.: 216-101</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored  | <a href="http://www.wago.com/216-101">www.wago.com/216-101</a> |
|    | <b>Item no.: 216-104</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated; silver-colored  | <a href="http://www.wago.com/216-104">www.wago.com/216-104</a> |
|    | <b>Item no.: 216-102</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored | <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.: 216-203</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; red                 | <a href="http://www.wago.com/216-203">www.wago.com/216-203</a> |
|    | <b>Item no.: 216-206</b><br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; blue              | <a href="http://www.wago.com/216-206">www.wago.com/216-206</a> |
|    | <b>Item no.: 216-202</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray             | <a href="http://www.wago.com/216-202">www.wago.com/216-202</a> |
|  | <b>Item no.: 216-204</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; black             | <a href="http://www.wago.com/216-204">www.wago.com/216-204</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> |
|  | <b>Item no.: 216-301</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow           | <a href="http://www.wago.com/216-301">www.wago.com/216-301</a> |
|  | <b>Item no.: 216-302</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise  | <a href="http://www.wago.com/216-302">www.wago.com/216-302</a> |

## Marking accessories

## Marking strip

|                                                                                    |                                                                                               |                                                                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 210-831</b><br>Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white | <a href="http://www.wago.com/210-831">www.wago.com/210-831</a> |
|  | <b>Item no.: 210-834</b><br>Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white   | <a href="http://www.wago.com/210-834">www.wago.com/210-834</a> |
|  | <b>Item no.: 210-832</b><br>Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white   | <a href="http://www.wago.com/210-832">www.wago.com/210-832</a> |

## Label

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

**Item no.: 210-805**

Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; white

[www.wago.com/210-805](http://www.wago.com/210-805)**Item no.: 210-805/000-002**

Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; yellow

[www.wago.com/210-805/000-002](http://www.wago.com/210-805/000-002)**Marker****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.: 248-501**

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

[www.wago.com/248-501](http://www.wago.com/248-501)**Strain relief****Strain relief****Item no.: 769-410**

Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 1-pole; gray

[www.wago.com/769-410](http://www.wago.com/769-410)**Tool****Operating tool****Item no.: 210-490**

Operating tool

[www.wago.com/210-490](http://www.wago.com/210-490)**Item no.: 769-434**

Operating tool; made of insulating material; 1-way; loose; white

[www.wago.com/769-434](http://www.wago.com/769-434)**Testing and measuring****Testing 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)**Cover****Cover****Item no.: 769-436**

Jumper cover; for 1-conductor female plugs; for 5 poles; gray

[www.wago.com/769-436](http://www.wago.com/769-436)**Insulation stop****Insulation stop****Item no.: 769-470**

Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white

[www.wago.com/769-470](http://www.wago.com/769-470)**Item no.: 769-471**

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

[www.wago.com/769-471](http://www.wago.com/769-471)

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

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Item no.: 769-472  
Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/strip; dark gray

[www.wago.com/769-472](http://www.wago.com/769-472)

Locking levers

Locking system



Item no.: 769-428  
Locking lever; for female connectors; 1 part; Pin spacing 5 mm; 1-pole; gray

[www.wago.com/769-428](http://www.wago.com/769-428)



Item no.: 769-429  
Locking lever; for female connectors; 1 part; Pin spacing 5 mm; 1-pole; orange

[www.wago.com/769-429](http://www.wago.com/769-429)

Protective warning marker

Cover



Item no.: 280-415  
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

[www.wago.com/280-415](http://www.wago.com/280-415)

Downloads  
Documentation

Bid Text

|                 |             |        |          |
|-----------------|-------------|--------|----------|
| 769-101/000-016 | 2019 Feb 19 | xml    | Download |
| X81 - Datei     |             | 3.3 kB |          |

|                 |            |         |          |
|-----------------|------------|---------|----------|
| 769-101/000-016 | 2017 Oct 4 | doc     | Download |
| doc - Datei     |            | 25.6 kB |          |

Additional Information

|        |          |
|--------|----------|
| pdf    | Download |
| 2.3 MB |          |

CAD/CAE-Data

CAD data

|                              |     |          |
|------------------------------|-----|----------|
| 2D/3D Models 769-101/000-016 | URL | Download |
|------------------------------|-----|----------|

CAE data

|                                   |     |          |
|-----------------------------------|-----|----------|
| EPLAN Data Portal 769-101/000-016 | URL | Download |
|-----------------------------------|-----|----------|

|                                |     |          |
|--------------------------------|-----|----------|
| WSCAD Universe 769-101/000-016 | URL | Download |
|--------------------------------|-----|----------|

WSCAD Universe 769-101/000-016  
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|                                            | URL                 | Download                 |
|--------------------------------------------|---------------------|--------------------------|
| EPLAN Data Portal 769-101/000-016          | <a href="#">URL</a> | <a href="#">Download</a> |
| ZUKEN Portal 769-101/000-016               | <a href="#">URL</a> | <a href="#">Download</a> |
| <b>Asset Administration Shell</b>          |                     |                          |
| Asset Administration Shell 769-101/000-016 | <a href="#">URL</a> | <a href="#">Download</a> |

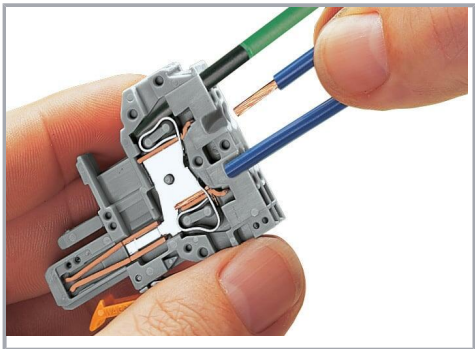
Environmental Product Compliance

Compliance Search

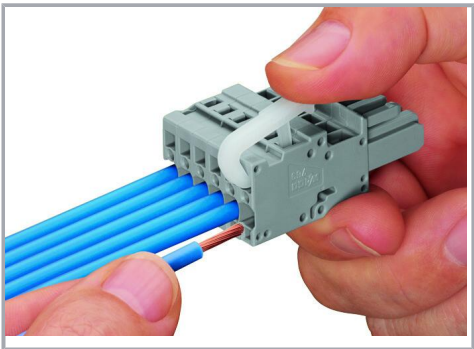
|                                                                                                                   |                     |                          |
|-------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------|
| Environmental Product Compliance 769-101/000-016                                                                  | <a href="#">URL</a> | <a href="#">Download</a> |
| 1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 1-pole; coding finger; 4,00 mm²; green-yellow |                     |                          |

Installation Notes

Conductor termination

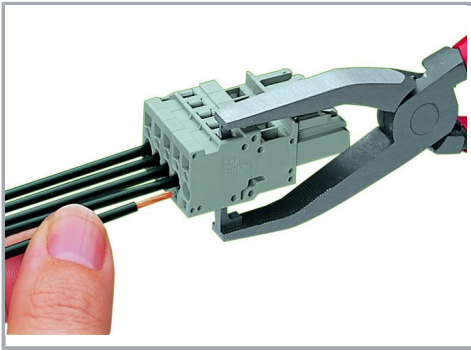


**CAGE CLAMP® connection**  
Female plug: Inserting/removing a conductor via operating tool.  
Operation 90° to conductor is also possible.  
With ferruled conductors, it is necessary to use a terminal block one size smaller than the conductor's nominal cross-section.



**Operating lever**  
Inserting a conductor – side-entry wiring (example shows a female plug).

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

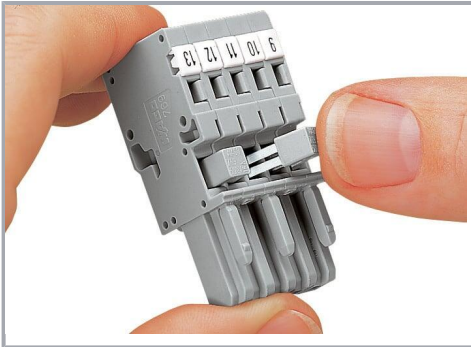


#### Operating tool

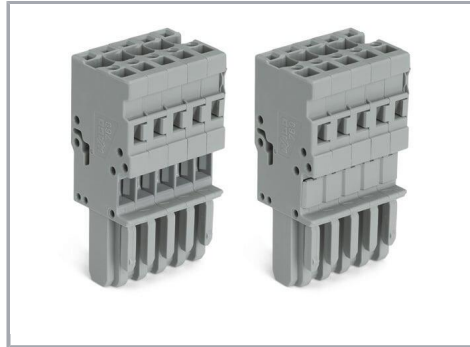
Inserting a conductor – side-entry wiring  
(example shows a female plug).

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!

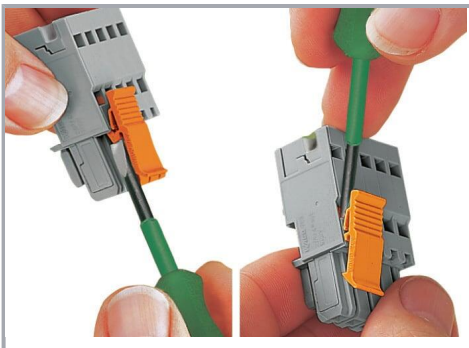
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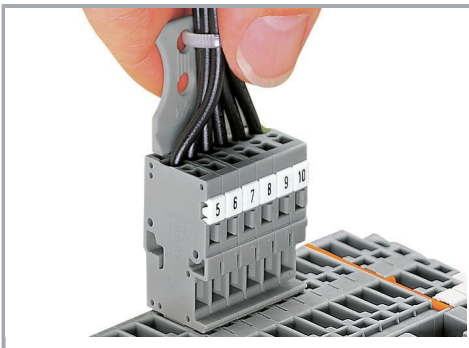
Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.

#### Locking system



Locking/releasing a lever.

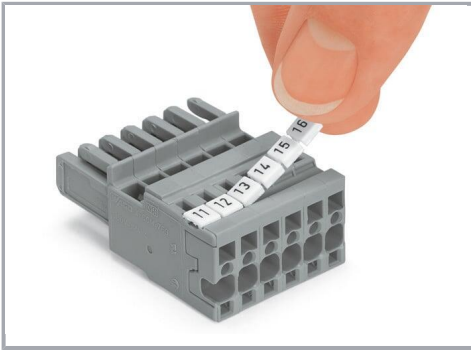
#### Strain relief



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

[Show all products from the family](#)

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

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