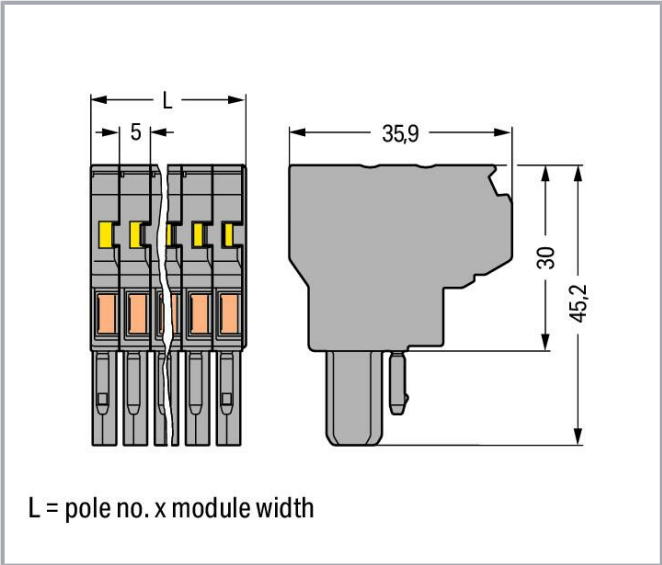
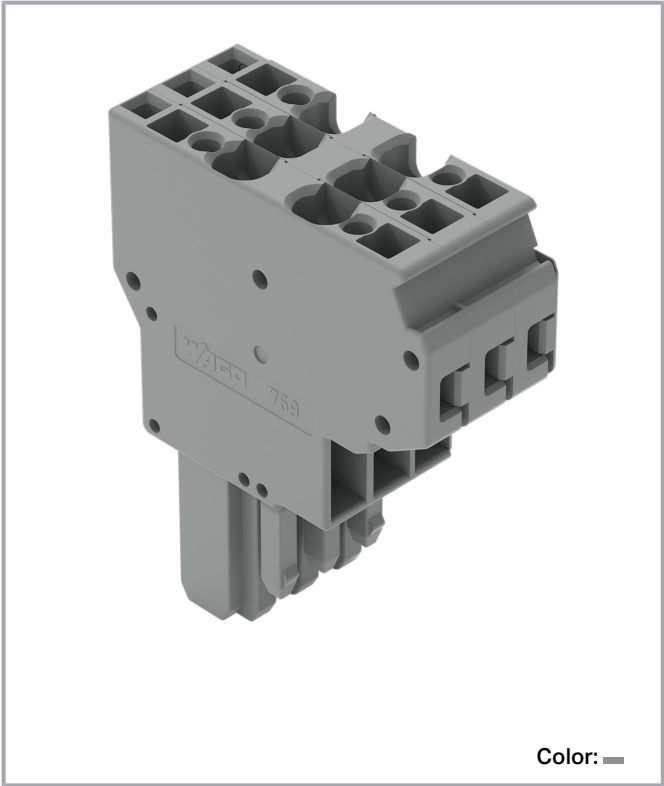


**Data sheet | Item number: 769-123**

2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 3-pole; coding finger; 4,00 mm²; gray

[www.wago.com/769-123](http://www.wago.com/769-123)



**Data  
Notes**

Safety information

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

**Electrical data**

**Ratings per IEC/EN**

| Ratings per                   | IEC/EN 61984 |
|-------------------------------|--------------|
| Nominal voltage (III/3)       | 500 V        |
| Rated impulse voltage (III/3) | 6 kV         |
| Rated current                 | 32 A         |

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

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Legend (ratings)

(III / 3)  $\hat{=}$  Overvoltage category III / Pollution degree 3

## Connection data

|                            |   |
|----------------------------|---|
| Connection points          | 6 |
| Total number of potentials | 3 |

## Connection 1

|                                 |                                            |
|---------------------------------|--------------------------------------------|
| Connection technology           | CAGE CLAMP®                                |
| Actuation type                  | Operating tool                             |
| Connectable conductor materials | Copper                                     |
| Nominal cross-section           | 4 mm <sup>2</sup> / 12 AWG                 |
| 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 inches          |
| Pole number                     | 3                                          |
| Wiring direction                | Front-entry wiring                         |

## Physical data

|              |                        |
|--------------|------------------------|
| Width        | 15 mm / 0.591 inches   |
| Height       | 45.2 mm / 1.78 inches  |
| Depth        | 35.9 mm / 1.413 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          |

## 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                     |

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



Material data

Note (material data)

Information on material specifications can be found here

|                             |                  |
|-----------------------------|------------------|
| Color                       | gray             |
| Material group              | I                |
| Insulation material         | Polyamide (PA66) |
| Flammability class per UL94 | V0               |
| Fire load                   | 0.289 MJ         |
| Halogen-free                | Yes              |
| Weight                      | 15.7 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)              | 25 pcs            |
| Packaging type        | box               |
| Country of origin     | PL                |
| GTIN                  | 4044918473934     |
| Customs tariff number | 85366990990       |

Environmental Product Compliance

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

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
|      | CCA      | EN 60947                 | NTR NL-          |

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DEKRA Certification B.V.

7626

|                                                                                    |                                       |           |                 |
|------------------------------------------------------------------------------------|---------------------------------------|-----------|-----------------|
|                                                                                    | CCA<br>DEKRA Certification B.V.       | IEC 61984 | NL-47799<br>/A1 |
|    | CCA<br>DEKRA Certification B.V.       | EN 61984  | 2190419.02      |
|    | 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 | -                        | -                |
|  | UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | -                        | -                |

#### Approvals for marine applications

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

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**BV**  
Bureau Veritas S.A.

EN 60947

07436/F0  
BV

## Counterpart



**Item no.769-603/004-000**

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 3-pole; Feedthrough flange; 4,00 mm²; gray

[www.wago.com/769-603/004-000](http://www.wago.com/769-603/004-000)



**Item no.769-603**

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 3-pole; 4,00 mm²; gray

[www.wago.com/769-603](http://www.wago.com/769-603)



**Item no.769-603/002-000**

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 3-pole; clamping collar; 4,00 mm²; gray

[www.wago.com/769-603/002-000](http://www.wago.com/769-603/002-000)



**Item no.769-603/001-000**

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 3-pole; DIN-35 rail/panel mounting; Snap-in mounting feet; 4,00 mm²; gray

[www.wago.com/769-603/001-000](http://www.wago.com/769-603/001-000)



**Item no.769-633/000-036**

THT male header; 1.0 x 1.0 mm solder pin; straight; Preceding ground contact; Pin spacing 5 mm; 3-pole; green-yellow, gray

[www.wago.com/769-633/000-036](http://www.wago.com/769-633/000-036)



**Item no.769-603/005-000**

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 3-pole; Snap-in flange; 4,00 mm²; gray

[www.wago.com/769-603/005-000](http://www.wago.com/769-603/005-000)



**Item no.769-603/006-000**

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 3-pole; Snap-in flange; 4,00 mm²; gray

[www.wago.com/769-603/006-000](http://www.wago.com/769-603/006-000)



**Item no.769-633**

THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 3-pole; gray

[www.wago.com/769-633](http://www.wago.com/769-633)



**Item no.769-633/003-036**

THT male header; 1.0 x 1.0 mm solder pin; straight; Preceding ground contact; clamping collar; Pin spacing 5 mm; 3-pole; green-yellow, gray

[www.wago.com/769-633/003-036](http://www.wago.com/769-633/003-036)

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

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**Item no.769-633/003-000**

THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 3-pole; gray

[www.wago.com/769-633/003-000](http://www.wago.com/769-633/003-000)**Item no.769-633/004-000**

THT male header; 1.0 x 1.0 mm solder pin; straight; Feedthrough flange; Pin spacing 5 mm; 3-pole; gray

[www.wago.com/769-633/004-000](http://www.wago.com/769-633/004-000)**Item no.769-633/007-000**

THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 3-pole; gray

[www.wago.com/769-633/007-000](http://www.wago.com/769-633/007-000)**Item no.769-663**

THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 3-pole; gray

[www.wago.com/769-663](http://www.wago.com/769-663)**Item no.769-663/004-000**

THT male header; 1.0 x 1.0 mm solder pin; angled; Feedthrough flange; Pin spacing 5 mm; 3-pole; gray

[www.wago.com/769-663/004-000](http://www.wago.com/769-663/004-000)**Item no.769-663/003-000**

THT male header; 1.0 x 1.0 mm solder pin; angled; clamping collar; Pin spacing 5 mm; 3-pole; gray

[www.wago.com/769-663/003-000](http://www.wago.com/769-663/003-000)

## Optional accessories

### 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> |

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

|                                                                                    |                                                                                                                                  |                                                                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|     | <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> |
| <b>Protective warning marker</b>                                                   |                                                                                                                                  |                                                                |
| Cover                                                                              |                                                                                                                                  |                                                                |
|    | <b>Item no.: 280-415</b><br>Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow            | <a href="http://www.wago.com/280-415">www.wago.com/280-415</a> |
| <b>Insulation stop</b>                                                             |                                                                                                                                  |                                                                |
| 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> |
| <b>Jumpers</b>                                                                     |                                                                                                                                  |                                                                |
| Jumper                                                                             |                                                                                                                                  |                                                                |
|   | <b>Item no.: 280-402</b><br>Jumper; insulated; gray                                                                              | <a href="http://www.wago.com/280-402">www.wago.com/280-402</a> |
|   | <b>Item no.: 780-454</b><br>Staggered jumper; from 1 to 4; insulated; gray                                                       | <a href="http://www.wago.com/780-454">www.wago.com/780-454</a> |
|   | <b>Item no.: 780-452</b><br>Staggered jumper; from 1 to 2; insulated; gray                                                       | <a href="http://www.wago.com/780-452">www.wago.com/780-452</a> |
|   | <b>Item no.: 780-453</b><br>Staggered jumper; from 1 to 3; insulated; gray                                                       | <a href="http://www.wago.com/780-453">www.wago.com/780-453</a> |
|   | <b>Item no.: 780-457</b><br>Staggered jumper; from 1 to 7; insulated; gray                                                       | <a href="http://www.wago.com/780-457">www.wago.com/780-457</a> |
|   | <b>Item no.: 780-456</b><br>Staggered jumper; from 1 to 6; insulated; gray                                                       | <a href="http://www.wago.com/780-456">www.wago.com/780-456</a> |
|   | <b>Item no.: 780-455</b><br>Staggered jumper; from 1 to 5; insulated; gray                                                       | <a href="http://www.wago.com/780-455">www.wago.com/780-455</a> |

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

**Item no.: 780-458**

Staggered jumper; from 1 to 8; insulated; gray

[www.wago.com/780-458](http://www.wago.com/780-458)**Strain relief**

Strain relief

**Item no.: 769-411**

Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 2- to 3-pole; gray

[www.wago.com/769-411](http://www.wago.com/769-411)**Marking accessories**

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)**Locking levers**

Locking system

**Item no.: 769-430**

Locking lever; for female connectors; 1 part; Pin spacing 5 mm; 2-pole; gray

[www.wago.com/769-430](http://www.wago.com/769-430)**Item no.: 769-431**

Locking lever; for female connectors; 1 part; Pin spacing 5 mm; 2-pole; orange

[www.wago.com/769-431](http://www.wago.com/769-431)**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)**Downloads****Documentation****Bid Text**

|             |             |         |          |
|-------------|-------------|---------|----------|
| 769-123     | 2019 Feb 19 | xml     | Download |
| X81 - Datei |             | 3.3 kB  |          |
| 769-123     | 2017 Oct 4  | doc     | Download |
| doc - Datei |             | 26.1 kB |          |

**Additional Information**

pdf  
2.3 MB

Download

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CAD/CAE-Data

CAD data

|                      |     |          |
|----------------------|-----|----------|
| 2D/3D Models 769-123 | URL | Download |
|----------------------|-----|----------|

CAE data

|                           |     |          |
|---------------------------|-----|----------|
| EPLAN Data Portal 769-123 | URL | Download |
|---------------------------|-----|----------|

|                      |     |          |
|----------------------|-----|----------|
| ZUKEN Portal 769-123 | URL | Download |
|----------------------|-----|----------|

|                        |     |          |
|------------------------|-----|----------|
| WSCAD Universe 769-123 | URL | Download |
|------------------------|-----|----------|

Asset Administration Shell

|                                    |     |          |
|------------------------------------|-----|----------|
| Asset Administration Shell 769-123 | URL | Download |
|------------------------------------|-----|----------|

Environmental Product Compliance

Compliance Search

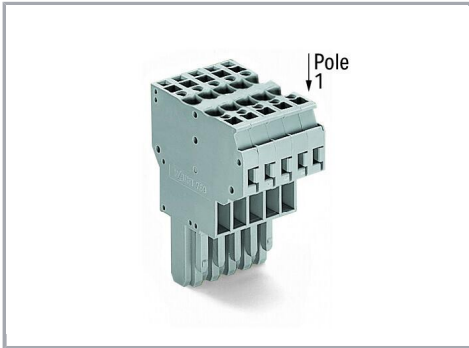
|                                                                                                           |     |          |
|-----------------------------------------------------------------------------------------------------------|-----|----------|
| Environmental Product Compliance 769-123                                                                  | URL | Download |
| 2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 3-pole; coding finger; 4,00 mm²; gray |     |          |

Installation Notes

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

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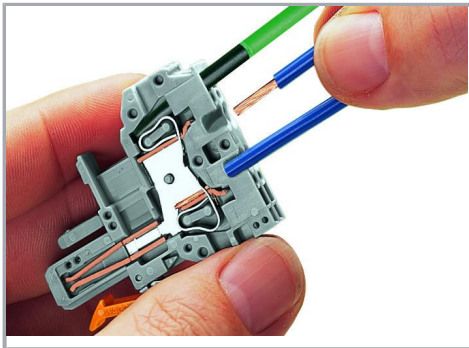
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#### 2-conductor female plugs

- Common signals from one subassembly to the other (bus structure)
- Can be used as a T-wire branch tap connection (e.g. for lighting wiring)
- Enable a higher number of connection possibilities

#### Conductor termination



#### CAGE CLAMP® connection

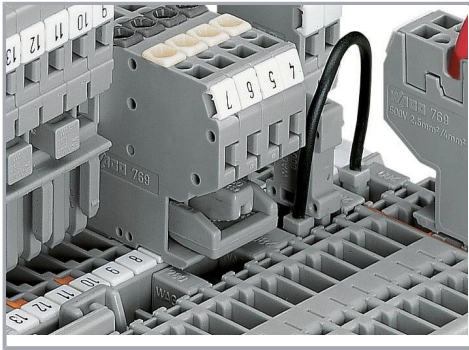
Female plug: Inserting/removing a conductor via operating tool.

Operation 90° to conductor is also possible.

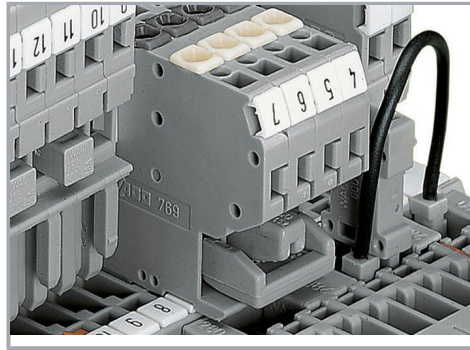
With ferruled conductors, it is necessary to use a terminal block one size smaller than the conductor's nominal cross-section.

#### Commoning

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



Commoning a 2-conductor female plug via staggered jumper and carrier terminal blocks via adjacent jumpers.



Commoning options of female plugs:

- After removal, commoned potentials still remain commoned
- Use of plug-in jumpers instead of additional wired jumpers
- Can be used as a "hardware" key for safety lockout
- Can also be used as a commoning jumper for sensor circuits or machine programming

#### Coding



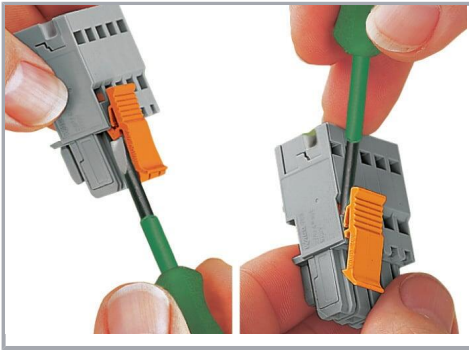
Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.

#### Locking system

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

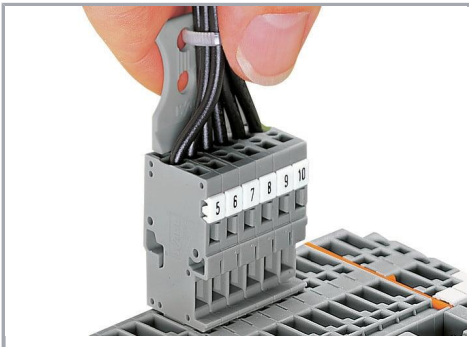
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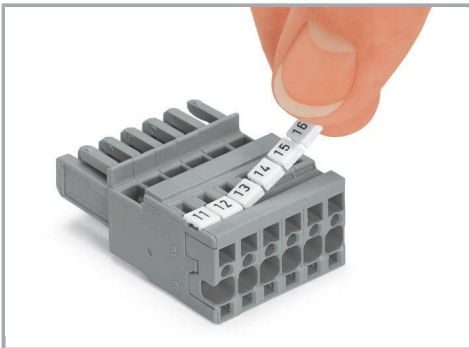
Locking/releasing a lever.

#### Strain relief



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

#### Marking



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!