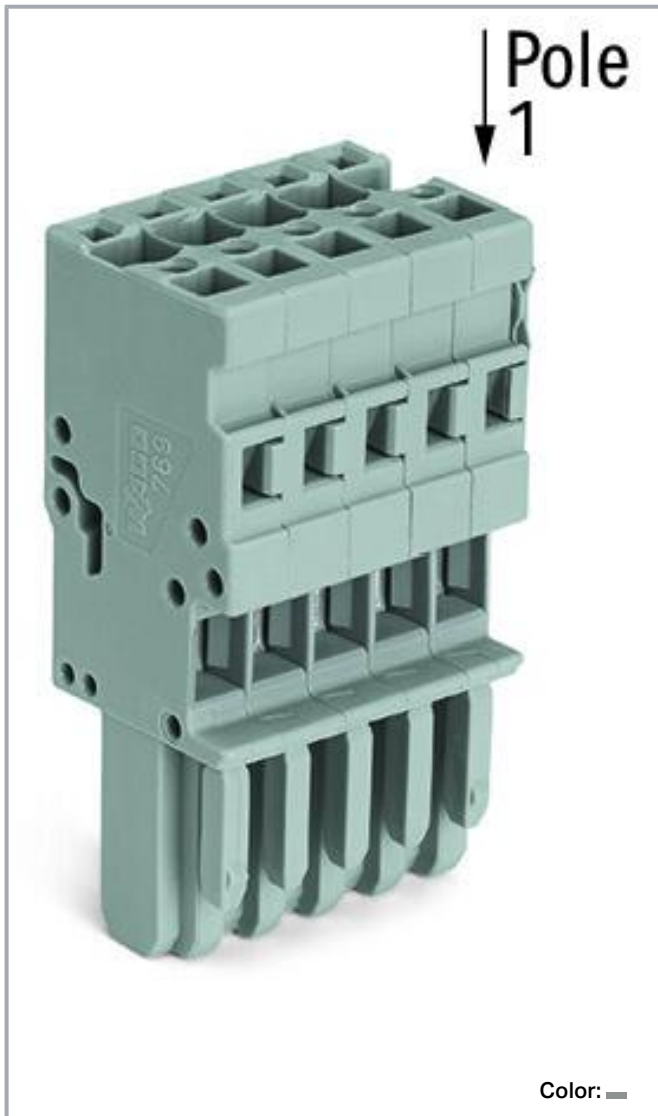


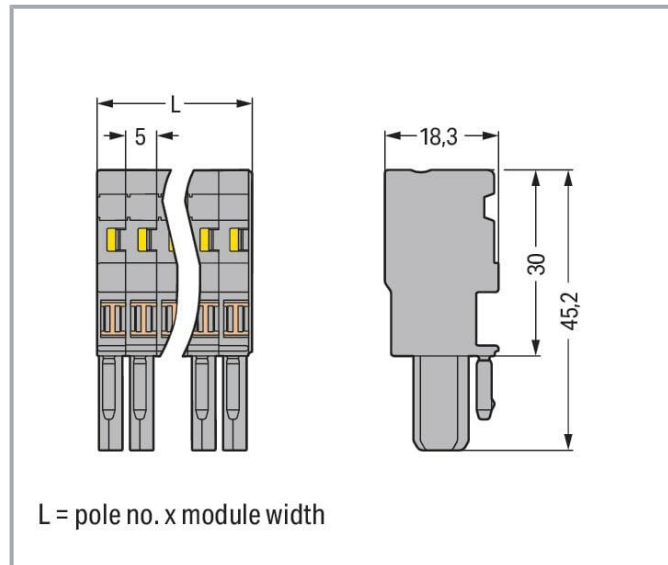
## Data sheet | Item number: 769-105

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

[www.wago.com/769-105](http://www.wago.com/769-105)



Color: —



## 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.

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

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## 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                                                                 |
| Legend (ratings)              | (III / 3) $\triangleq$ Overvoltage category III / Pollution degree 3 |

### Connection data

|                            |   |
|----------------------------|---|
| Connection points          | 5 |
| Total number of potentials | 5 |

### 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                     | 5                                 |
| Wiring direction                | Front-entry wiring                |

### Physical data

|              |                       |
|--------------|-----------------------|
| Width        | 25 mm / 0.984 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          |

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

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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                       | gray                                                     |
| Material group              | I                                                        |
| Insulation material         | Polyamide (PA66)                                         |
| Flammability class per UL94 | V0                                                       |
| Fire load                   | 0.324 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)              | 50 pcs            |
| Packaging type        | box               |
| Country of origin     | DE                |
| GTIN                  | 4044918471480     |
| Customs tariff number | 85366990990       |

## Environmental Product Compliance

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

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

## Approvals / Certificates

## General approvals

| Logo                                                                               | Approval                              | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------|--------------------------|------------------|
|    | CCA<br>DEKRA Certification B.V.       | EN 61984                 | 2190419.02       |
|                                                                                    | CCA<br>DEKRA Certification B.V.       | IEC 61984                | NL-47799 /A1     |
|    | CCA<br>DEKRA Certification B.V.       | EN 60947                 | NTR NL-7626      |
|    | 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 | -                        | -                |

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## 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.769-165/769-313</b><br>2-pin terminal block for pluggable modules; 10-pole; with 2 jumper positions; with orange separator plate; for DIN-rail 35 x 15 and 35 x 7.5; gray                                                                     | <a href="http://www.wago.com/769-165/769-313">www.wago.com/769-165/769-313</a> |
|    | <b>Item no.769-185/769-314</b><br>1-conductor/1-pin terminal block for pluggable modules; 10-pole; with 2 jumper positions; with orange separator plate; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm <sup>2</sup> ; CAGE CLAMP®; 4,00 mm <sup>2</sup> ; gray | <a href="http://www.wago.com/769-185/769-314">www.wago.com/769-185/769-314</a> |
|   | <b>Item no.769-605</b><br>1-conductor male connector; CAGE CLAMP®; 4 mm <sup>2</sup> ; Pin spacing 5 mm; 5-pole; 4,00 mm <sup>2</sup> ; gray                                                                                                             | <a href="http://www.wago.com/769-605">www.wago.com/769-605</a>                 |
|  | <b>Item no.769-605/004-000</b><br>1-conductor male connector; CAGE CLAMP®; 4 mm <sup>2</sup> ; Pin spacing 5 mm; 5-pole; Feedthrough flange; 4,00 mm <sup>2</sup> ; gray                                                                                 | <a href="http://www.wago.com/769-605/004-000">www.wago.com/769-605/004-000</a> |
|  | <b>Item no.769-605/001-000</b><br>1-conductor male connector; CAGE CLAMP®; 4 mm <sup>2</sup> ; Pin spacing 5 mm; 5-pole; DIN-35 rail/panel mounting; Snap-in mounting feet; 4,00 mm <sup>2</sup> ; gray                                                  | <a href="http://www.wago.com/769-605/001-000">www.wago.com/769-605/001-000</a> |
|  | <b>Item no.769-605/002-000</b><br>1-conductor male connector; CAGE CLAMP®; 4 mm <sup>2</sup> ; Pin spacing 5 mm; 5-pole; clamping collar; 4,00 mm <sup>2</sup> ; gray                                                                                    | <a href="http://www.wago.com/769-605/002-000">www.wago.com/769-605/002-000</a> |
|  | <b>Item no.769-605/005-000</b><br>1-conductor male connector; CAGE CLAMP®; 4 mm <sup>2</sup> ; Pin spacing 5 mm; 5-pole; Snap-in flange; 4,00 mm <sup>2</sup> ; gray                                                                                     | <a href="http://www.wago.com/769-605/005-000">www.wago.com/769-605/005-000</a> |
|   | <b>Item no.769-635</b><br>THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 5-pole; gray                                                                                                                                             | <a href="http://www.wago.com/769-635">www.wago.com/769-635</a>                 |

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

**Item no. 769-605/006-000**

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

[www.wago.com](http://www.wago.com)[/769-605/006-000](http://www.wago.com/769-605/006-000)**Item no. 769-635/000-036**

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

[www.wago.com](http://www.wago.com)[/769-635/000-036](http://www.wago.com/769-635/000-036)**Item no. 769-635/003-000**

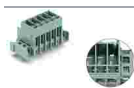
THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 5-pole; gray

[www.wago.com](http://www.wago.com)[/769-635/003-000](http://www.wago.com/769-635/003-000)**Item no. 769-665**

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

[www.wago.com](http://www.wago.com)[/769-665](http://www.wago.com/769-665)**Item no. 769-635/007-000**

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

[www.wago.com](http://www.wago.com)[/769-635/007-000](http://www.wago.com/769-635/007-000)**Item no. 769-635/003-036**

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

[www.wago.com](http://www.wago.com)[/769-635/003-036](http://www.wago.com/769-635/003-036)**Item no. 769-635/004-000**

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

[www.wago.com](http://www.wago.com)[/769-635/004-000](http://www.wago.com/769-635/004-000)**Item no. 769-665/004-000**

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

[www.wago.com](http://www.wago.com)[/769-665/004-000](http://www.wago.com/769-665/004-000)**Item no. 769-665/003-000**

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

[www.wago.com](http://www.wago.com)[/769-665/003-000](http://www.wago.com/769-665/003-000)

## Optional accessories

### 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)

### 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)

### Strain relief

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

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## Strain relief

**Item no.: 769-1605**

Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 5-pole; gray

[www.wago.com/769-1605](http://www.wago.com/769-1605)**Item no.: 769-412**

Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 4- to 5-pole; gray

[www.wago.com/769-412](http://www.wago.com/769-412)

## 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)

## Insulation stop

## Insulation stop

**Item no.: 769-470**Insulation stop; 0.08 - 0.2 mm<sup>2</sup> "s" (0.14 mm<sup>2</sup> "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 mm<sup>2</sup>; 5 pieces/strip; light gray[www.wago.com/769-471](http://www.wago.com/769-471)**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)

## Marking accessories

## Marking strip

**Item no.: 210-831**

Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white

[www.wago.com/210-831](http://www.wago.com/210-831)**Item no.: 210-834**

Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

[www.wago.com/210-834](http://www.wago.com/210-834)**Item no.: 210-832**

Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white

[www.wago.com/210-832](http://www.wago.com/210-832)

## Label

**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)

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

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## 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)

## Ferrule

## Ferrule

**Item no.: 216-101**Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored[www.wago.com/216-101](http://www.wago.com/216-101)**Item no.: 216-104**Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; uninsulated; electro-tin plated; silver-colored[www.wago.com/216-104](http://www.wago.com/216-104)**Item no.: 216-102**Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored[www.wago.com/216-102](http://www.wago.com/216-102)**Item no.: 216-103**Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; uninsulated; electro-tin plated[www.wago.com/216-103](http://www.wago.com/216-103)**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.: 216-206**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.: 216-202**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.: 216-204**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.: 216-201**Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; white[www.wago.com/216-201](http://www.wago.com/216-201)**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; light turquoise[www.wago.com/216-302](http://www.wago.com/216-302)

## Jumpers

## Jumper

**Item no.: 769-402**

Jumper; insulated; gray

[www.wago.com/769-402](http://www.wago.com/769-402)

## Locking levers

## Locking system

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

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**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

|                        |             |                |          |
|------------------------|-------------|----------------|----------|
| 769-105<br>X81 - Datei | 2019 Feb 19 | xml<br>3.3 kB  | Download |
| 769-105<br>doc - Datei | 2017 Oct 4  | doc<br>25.6 kB | Download |

Additional Information

pdf  
2.3 MB  
Download

CAD/CAE-Data

CAD data

|                      |     |          |
|----------------------|-----|----------|
| 2D/3D Models 769-105 | URL | Download |
|----------------------|-----|----------|

CAE data

|                           |     |          |
|---------------------------|-----|----------|
| EPLAN Data Portal 769-105 | URL | Download |
| WSCAD Universe 769-105    | URL | Download |
| ZUKEN Portal 769-105      | URL | Download |

Asset Administration Shell

Asset Administration Shell 769-105  
Subject to changes. Please also observe the further product documentation!

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 769-105

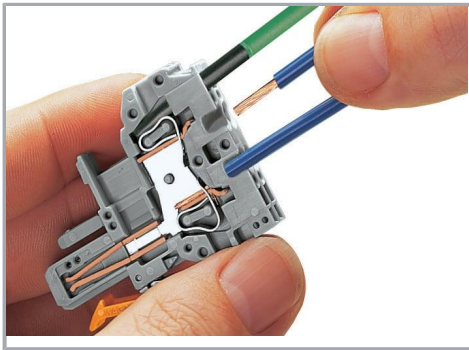
[URL](#)

[Download](#)

1-conductor female connector; CAGE CLAMP®; 4 mm<sup>2</sup>; Pin spacing 5 mm; 5-pole;  
coding finger; 4,00 mm<sup>2</sup>; gray

## Installation Notes

### Conductor termination

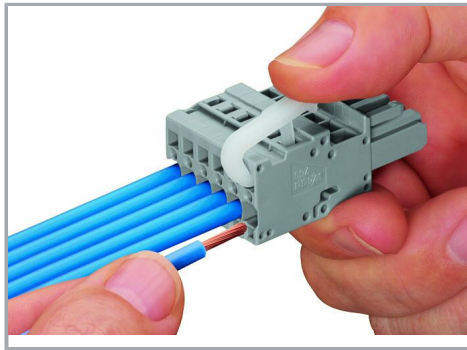


#### CAGE CLAMP® connection

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!

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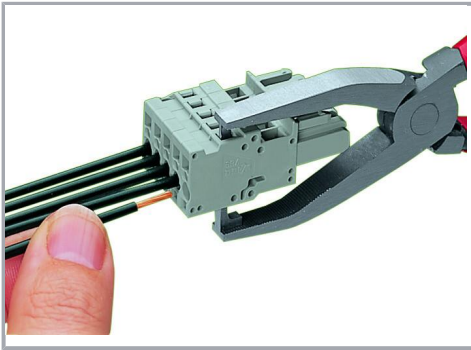
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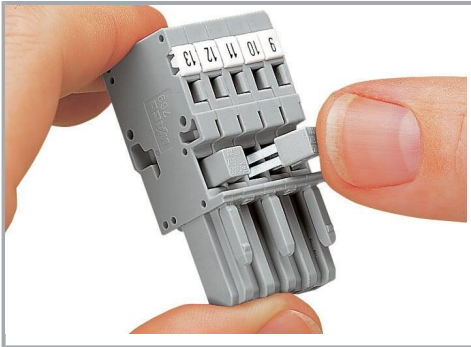


#### Operating tool

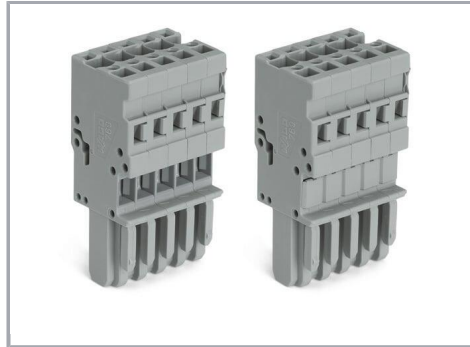
Inserting a conductor – side-entry wiring  
(example shows a female plug).

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!

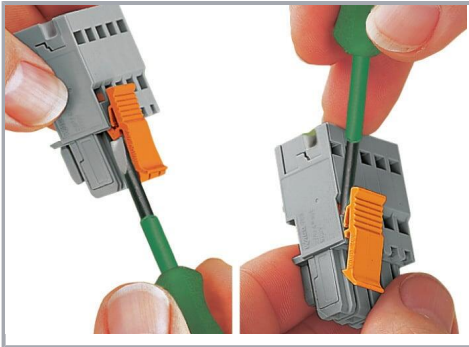
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Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.

#### Locking system



Locking/releasing a lever.

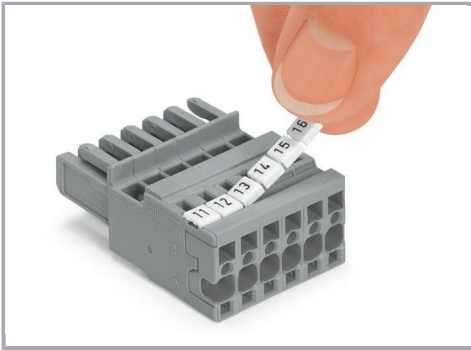
#### Strain relief



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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