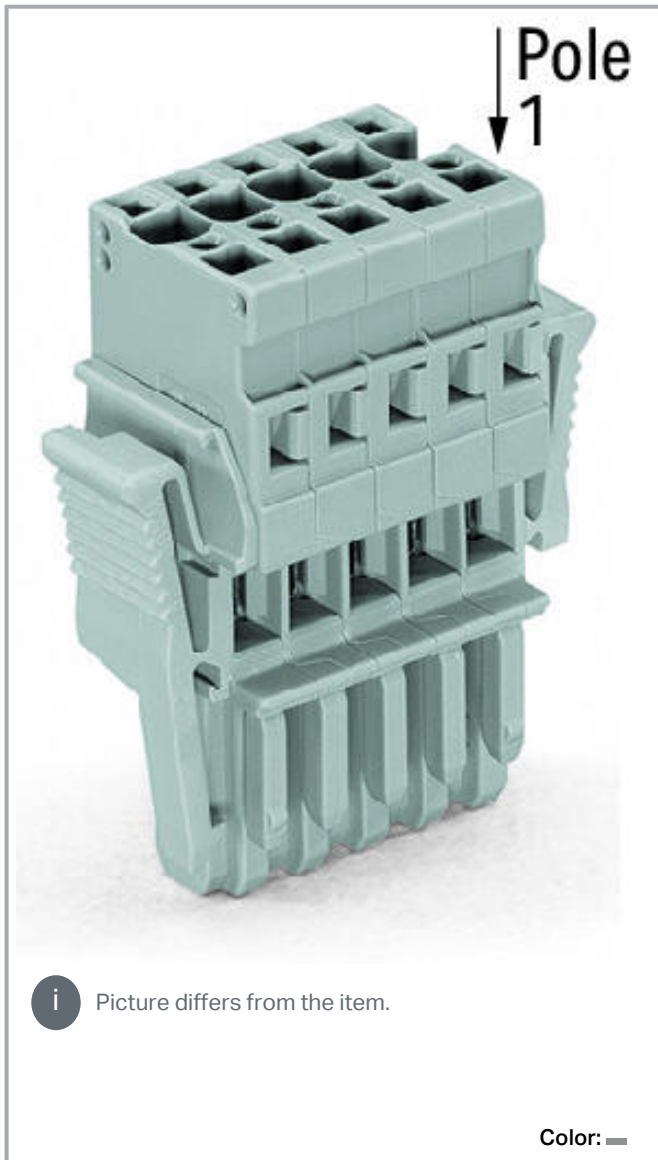


**Data sheet | Item number: 769-112/021-000**

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

[www.wago.com/769-112/021-000](http://www.wago.com/769-112/021-000)



**Item description**

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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## Data

## Notes

Safety information 1

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 surge voltage (III/3) | 6 kV                                                      |
| Rated current               | 32 A                                                      |
| Legend (ratings)            | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

## Connection data

|                                   |    |
|-----------------------------------|----|
| Total number of connection points | 12 |
| Total number of potentials        | 12 |

## Connection 1

|                                 |                                 |
|---------------------------------|---------------------------------|
| Connection technology           | CAGE CLAMP®                     |
| Actuation type                  | Operating tool                  |
| Connectable conductor materials | Copper                          |
| Nominal cross-section           | 4 mm²                           |
| 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 inch |
| Pole No.                        | 12                              |
| Wiring direction                | Front-entry wiring              |

## Physical data

|              |                     |
|--------------|---------------------|
| Width        | 75 mm / 2.976 inch  |
| Height       | 45.2 mm / 1.78 inch |
| Depth        | 18.3 mm / 0.72 inch |
| Module width | 5 mm / 0.197 inch   |

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## Mechanical data

|                 |              |
|-----------------|--------------|
| Variable coding | Ja           |
| Marking level   | Side marking |

## Plug-in connection

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

## Material data

|                             |                                                |
|-----------------------------|------------------------------------------------|
| Note on material data       | Information on material data can be found here |
| Color                       | gray                                           |
| Insulation material         | Polyamide (PA66)                               |
| Flammability class per UL94 | V0                                             |
| Fire load                   | 0.672 MJ                                       |
| Weight                      | 40.7 g                                         |

## Commercial data

|                       |               |
|-----------------------|---------------|
| PU (SPU)              | 10 Stück      |
| Packaging type        | box           |
| Country of origin     | DE            |
| GTIN                  | 4044918472043 |
| Customs tariff number | 85366990990   |

## Approvals / Certificates

### Country specific 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     |

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CSA  
DEKRA Certification B.V.

C22.2 No. 158

1101144



KEMA/KEUR  
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-HG1941090-PDA |
|                                                                                  | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE00001V2       |

## UL-Approvals

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

## 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<br><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<br><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<br><a href="http://www.wago.com/216-102">www.wago.com/216-102</a> |
|  | <b>Item no.: 216-103</b>                                                                                                                                                                         |

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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)

## 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)

## Locking levers

### Locking device

**Item no.: 769-430**

Locking lever; gray

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

Locking lever; orange

[www.wago.com/769-431](http://www.wago.com/769-431)

## 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)

## 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)

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

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**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)**Tool**

## Operating tool

**Item no.: 210-490**

Operating tool

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

Push-button; loose

[www.wago.com/769-434](http://www.wago.com/769-434)**Jumpers**

## Jumper

**Item no.: 769-402**

Jumper; insulated; gray

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

## 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)**Cover**

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

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## 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)

## Strain relief

## Strain relief

**Item no.: 769-1612**

Strain relief housing; gray

[www.wago.com/769-1612](http://www.wago.com/769-1612)**Item no.: 769-414**

Strain relief plate; gray

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

## Downloads

## Documentation

## Bid Text

|                                |              |                |          |
|--------------------------------|--------------|----------------|----------|
| 769-112/021-000<br>X81 - Datei | 2019. 2. 19. | xml<br>3.3 kB  | Download |
| 769-112/021-000<br>doc - Datei | 2017. 10. 4. | doc<br>25.6 kB | Download |

## Additional Information

|                                             |               |          |
|---------------------------------------------|---------------|----------|
| Technical Section<br>Technical explanations | pdf<br>2.2 MB | Download |
|---------------------------------------------|---------------|----------|

## CAD/CAE-Data

## CAE data

|                                   |     |          |
|-----------------------------------|-----|----------|
| EPLAN Data Portal 769-112/021-000 | URL | Download |
| WSCAD Universe 769-112/021-000    | URL | Download |
| ZUKEN Portal 769-112/021-000      | URL | Download |
| WSCAD Universe 769-112/021-000    | URL | Download |
| EPLAN Data Portal 769-112/021-000 | URL | Download |

## CAD data

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 769-112/021-000

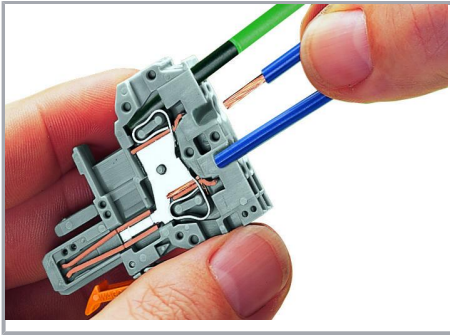
[URL](#)

[Download](#)

1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 12-pole;  
coding finger; Lateral locking levers; 4,00 mm²; gray

## Installation Notes

### Conductor termination



### CAGE CLAMP® connection

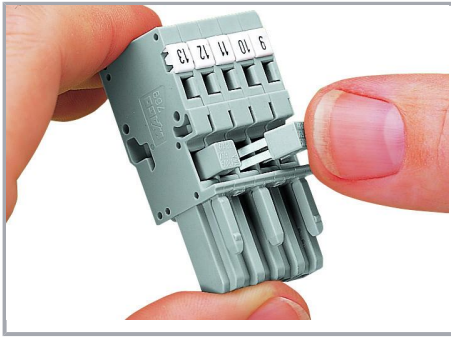
Female plug: Inserting/removing a conductor via operating tool.

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.

### Commoning

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



Commoning 1-conductor female plugs via miniature adjacent jumpers.



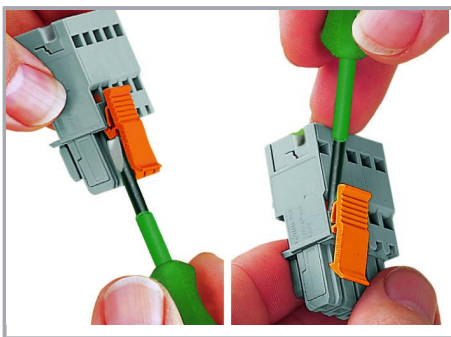
Jumper cover for 1-conductor female plugs

### 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.

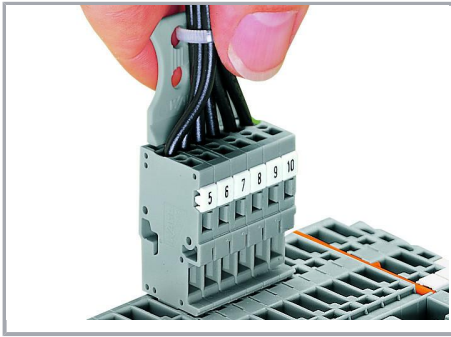
### Locking system



Locking/releasing a lever.

### Strain relief

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

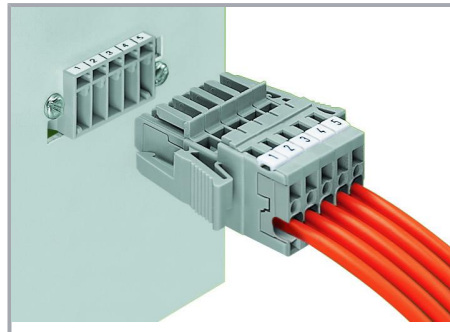


Removing a female plug via conductor bundle provided with strain relief plate.



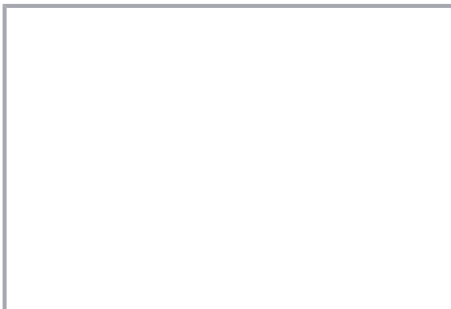
Male header with mounting flanges

1-conductor female plug with lateral locking levers



Male header and 1-conductor female plug with lateral locking levers

## Marking



Labeling a female plug with CAGE CLAMP® connection via Mini-WSB Quick Markers.

## Product family

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



**X-COM**

[Show all products from the family](#)

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