

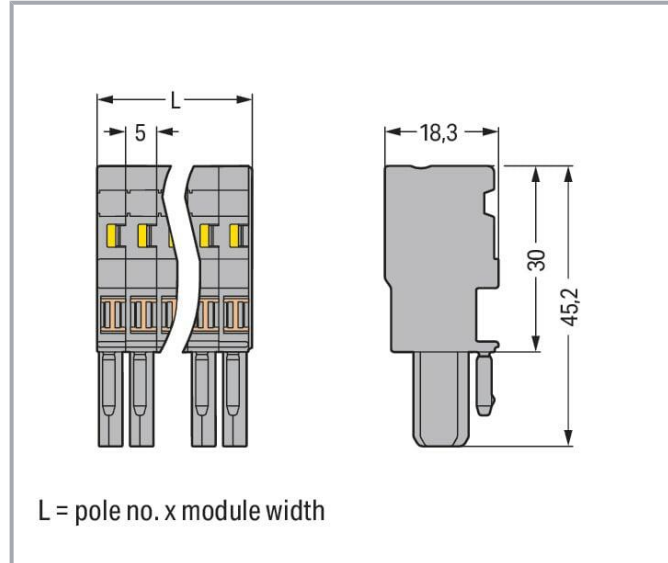
Data sheet | Item number: 769-101

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

www.wago.com/769-101



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!

WAGO GmbH & Co. KG
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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

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 |
| Legend (ratings) | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

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 mm ² / 12 AWG |
| Solid conductor | 0.08 ... 4 mm ² / 28 ... 12 AWG |
| Fine-stranded conductor | 0.08 ... 4 mm ² / 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 |

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



| | |
|--------------------------|-----|
| 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 |

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 | 0.071 MJ |
| Halogen-free | Yes |
| Weight | 3.4 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) | 200 pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4044918471268 |
| Customs tariff number | 85366990990 |

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

Environmental Product Compliance

RoHS Compliance Status


Compliant, No Exemption

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------------|--------------------------|------------------|
| | CCA DEKRA Certification B.V. | IEC 61984 | NL-47799 /A1 |
|  | CCA DEKRA Certification B.V. | EN 60947 | NTR NL- 7626 |
|  | CCA DEKRA Certification B.V. | EN 61984 | 2190419.02 |
|  | CSA DEKRA Certification B.V. | C22.2 No. 158 | 1101144 |
|  | KEMA/KEUR DEKRA Certification B.V. | EN 60947 | 2190419.01 |
|  | UL Underwriters Laboratories Inc. | UL 1977 | E 45171 |
|  | UR Underwriters Laboratories Inc. | UL 1059 | E45172 |

Declarations of conformity and manufacturer's declarations

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

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




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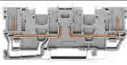





UK-Declaration of Conformity
WAGO GmbH & Co. KG

Approvals for marine applications

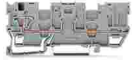
| Logo | Approval | Additional Approval Text | Certificate name |
|---|---|--------------------------|--------------------------|
|  | ABS American Bureau of Shipping | EN 60947 | 20- HG1941090- PDA |
|  | BV Bureau Veritas S.A. | EN 60947 | 07436/F0 BV |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001V2 |

Counterpart

| | | |
|--|--|--|
|  | Item no.769-231 1-conductor/1-pin carrier terminal block; with shield contact; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm ² ; CAGE CLAMP®; 4,00 mm ² ; gray | www.wago.com/769-231 |
|  | Item no.769-176 1-conductor/1-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm ² ; CAGE CLAMP®; 4,00 mm ² ; gray | www.wago.com/769-176 |
|  | Item no.769-176/000-012 1-conductor/1-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm ² ; CAGE CLAMP®; 4,00 mm ² ; orange | www.wago.com/769-176/000-012 |
|  | Item no.769-161 2-pin carrier terminal block; with 2 jumper positions; for DIN-rail 35 x 15 and 35 x 7.5; gray | www.wago.com/769-161 |
|  | Item no.769-151 4-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; gray | www.wago.com/769-151 |
|  | Item no.769-171 2-conductor/2-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm ² ; CAGE CLAMP®; 4,00 mm ² ; gray | www.wago.com/769-171 |
|  | Item no.769-171/000-006 | www.wago.com/769-171/000-006 |

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

2-conductor/2-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; 171/000-006
blue

**Item no.769-181**

1-conductor/1-pin carrier terminal block; with 2 jumper positions; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; gray

www.wago.com/769-181

**Item no.769-201**

4-pin carrier terminal block; with shield contact; for DIN-rail 35 x 15 and 35 x 7.5; gray

www.wago.com/769-201

**Item no.769-202**

2-pin disconnect carrier terminal block; with 2 jumper positions; for DIN-rail 35 x 15 and 35 x 7.5; gray

www.wago.com/769-202

**Item no.769-203**

2-pin disconnect carrier terminal block; with shield contact; with 2 jumper positions; for DIN-rail 35 x 15 and 35 x 7.5; gray

www.wago.com/769-203

**Item no.769-208/281-410**

2-pin component carrier block; with 2 jumper positions; with diode 1N4007; anode, left side; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; gray

www.wago.com/769-208/281-410

**Item no.769-208/281-411**

2-pin component carrier block; with 2 jumper positions; with diode 1N4007; anode, right side; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; gray

www.wago.com/769-208/281-411

**Item no.769-209/281-413**

2-pin component carrier block; with 2 jumper positions; LED (red); 24 VDC; for DIN-rail 35 x 15 and 35 x 7.5; gray

www.wago.com/769-209/281-413

**Item no.769-156**

2-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; gray

www.wago.com/769-156

**Item no.769-209/281-434**

2-pin component carrier block; with 2 jumper positions; LED (red); 24 VDC; for DIN-rail 35 x 15 and 35 x 7.5; gray

www.wago.com/769-209/281-434

**Item no.769-211**

2-conductor/2-pin carrier terminal block; with shield contact; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; gray

www.wago.com/769-211

**Item no.769-212**

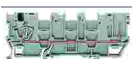
1-conductor/1-pin disconnect carrier terminal block; with 2 jumper positions; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; gray

www.wago.com/769-212

**Item no.769-213**

1-conductor/1-pin disconnect carrier terminal block; with shield contact; with 2 jumper positions; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; gray

www.wago.com/769-213

**Item no.769-214**

1-conductor/1-pin disconnect carrier terminal block; with 3 jumper positions; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; 4,00 mm²; gray

www.wago.com/769-214

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

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Optional accessories

Jumpers

Jumper



Item no.: 769-402
Jumper; insulated; gray

www.wago.com/769-402

Tool

Operating tool



Item no.: 210-490
Operating tool

www.wago.com/210-490



Item no.: 769-434
Operating tool; made of insulating material; 1-way; loose; white

www.wago.com/769-434

Cover

Cover



Item no.: 769-436
Jumper cover; for 1-conductor female plugs; for 5 poles; gray

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

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



Item no.: 210-834
Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

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

Label



Item no.: 210-805
Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; white

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

Marker

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

| | | |
|--|--|--|
|  | 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 |
|  | Item no.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white | 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 |
| Ferrule | | |
| Ferrule | | |
|  | Item no.: 216-101 Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-101 |
|  | Item no.: 216-104 Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-104 |
|  | Item no.: 216-102 Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-102 |
|  | Item no.: 216-103 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated | www.wago.com/216-103 |
|  | Item no.: 216-203 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-203 |
|  | Item no.: 216-206 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; blue | www.wago.com/216-206 |
|  | Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray | www.wago.com/216-202 |
|  | Item no.: 216-204 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black | www.wago.com/216-204 |
|  | Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white | www.wago.com/216-201 |
|  | Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow | www.wago.com/216-301 |
|  | Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; light turquoise | www.wago.com/216-302 |
| Insulation stop | | |
| Insulation stop | | |
|  | Item no.: 769-470 Insulation stop; 0.08 - 0.2 mm ² "s" (0.14 mm ² "f-st"); 5 pieces/strip; white | www.wago.com/769-470 |

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



Item no.: 769-471
Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray

www.wago.com/769-471



Item no.: 769-472
Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray

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



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

www.wago.com/769-429

Testing and measuring

Testing accessories



Item no.: 210-136
Test plug; 2 mm Ø; with 500 mm cable; red

www.wago.com/210-136

Downloads

Documentation

Bid Text

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

| | | | |
|--------------|-------------|---------|----------|
| 769-101 | 27 Nov 2018 | docx | Download |
| docx - Datei | | 14.7 kB | |

Additional Information

| | | | |
|--|--|--------|----------|
| | | pdf | Download |
| | | 2.2 MB | |

CAD/CAE-Data

CAD data

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

CAE data

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

| | | |
|---------------------------|---------------------|--------------------------|
| EPLAN Data Portal 769-101 | URL | Download |
| WSCAD Universe 769-101 | URL | Download |
| ZUKEN Portal 769-101 | URL | Download |

Environmental Product Compliance

Compliance Search

| | | |
|---|---------------------|--------------------------|
| Environmental Product Compliance 769-101 | URL | Download |
| 1-conductor female connector; CAGE CLAMP®; 4 mm ² ; Pin spacing 5 mm; 1-pole; coding finger; 4,00 mm ² ; gray | | |

Installation Notes



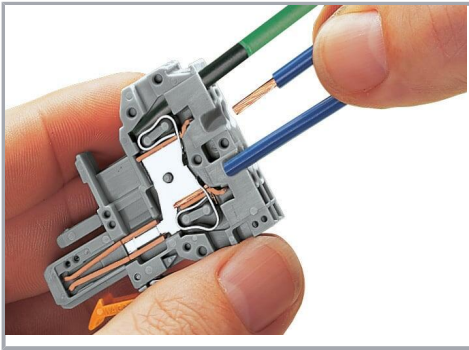
1-pole female plug

Example:

- 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!

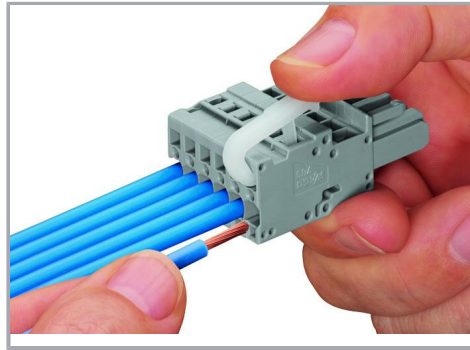


CAGE CLAMP® connection

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).



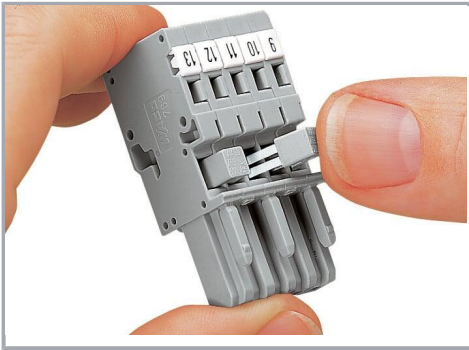
Operating tool

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

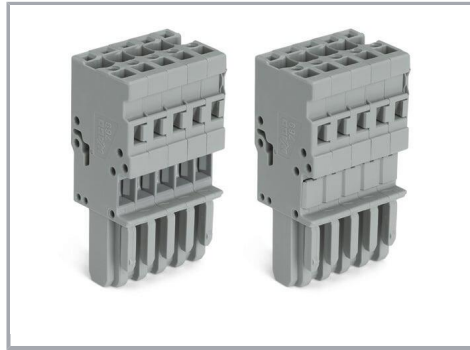
With ferruled conductors, it is necessary to use a terminal block one size smaller than the conductor's nominal cross-section.

Commoning

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



Commoning 1-conductor female plugs via miniature adjacent jumpers.



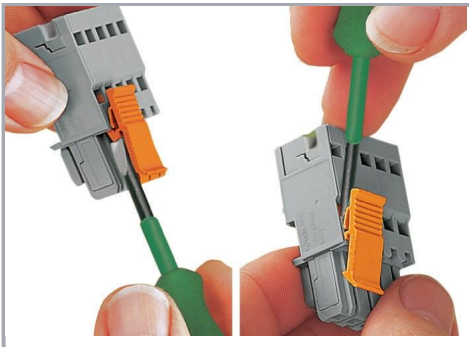
Jumper cover for 1-conductor female plugs

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.

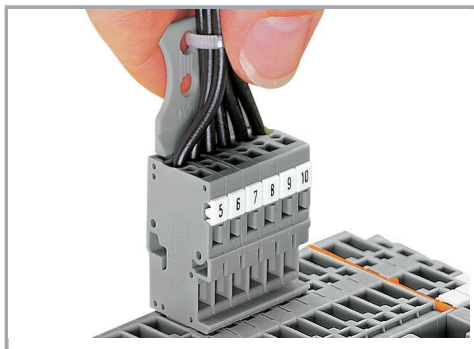
Locking system



Locking/releasing a lever.

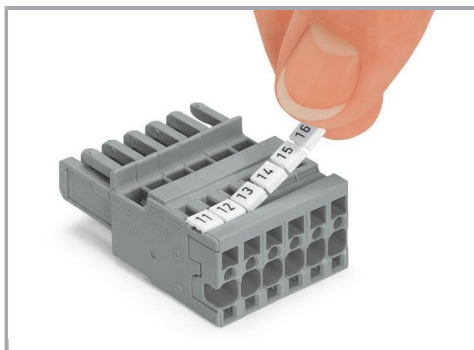
Subject to changes. Please also observe the further product documentation!

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!