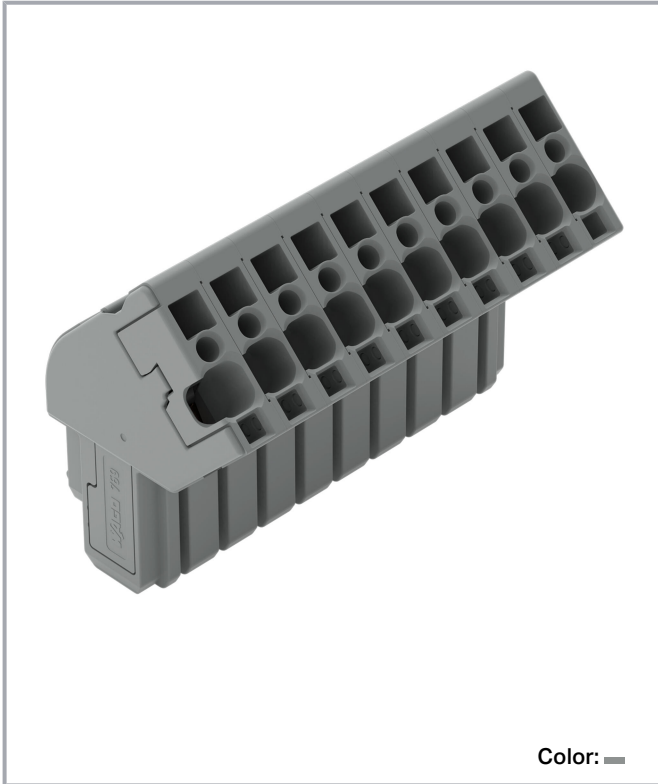


**Data sheet | Item number: 769-110/022-000**

1-conductor female connector, angled; CAGE CLAMP®; 4 mm<sup>2</sup>; Pin spacing 5 mm; 10-pole; coding finger; 4,00 mm<sup>2</sup>; gray

[www.wago.com/769-110/022-000](http://www.wago.com/769-110/022-000)



**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) ≙ Overvoltage category III / Pollution degree 3

## Connection data

|                            |    |
|----------------------------|----|
| Connection points          | 10 |
| Total number of potentials | 10 |

## 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                                   | 10   |
| Wiring direction                              | Front-entry wiring                         |
| Conductor entry direction to mating direction | 45 °                                       |

## Physical data

|              |                        |
|--------------|------------------------|
| Width        | 50 mm / 1.969 inches   |
| Height       | 37.1 mm / 1.461 inches |
| Depth        | 26.5 mm / 1.043 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                   | 0.57 MJ          |
| Halogen-free                | Yes              |
| Weight                      | 23.9 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     | DE                |
| GTIN                  | 4044918547673     |
| Customs tariff number | 85366990990       |

## Environmental Product Compliance

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

## Approvals / Certificates

### General approvals



| Logo | Approval                               | Additional Approval Text | Certificate name |
|------|--|--------------------------|------------------|
|      | <b>CCA</b><br>DEKRA Certification B.V. | EN 60947                 | NTR NL-<br>7626  |

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

CCA

|  |                                       |               |                 |
|--|---------------------------------------|---------------|-----------------|
|    | CCA<br>DEKRA Certification B.V.       | EN 61984      | 2190419.02      |
|  | CCA<br>DEKRA Certification B.V.       | IEC 61984     | NL-47799<br>/A1 |
|    | CSA<br>DEKRA Certification B.V.       | C22.2 No. 158 | 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- |

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



## Optional accessories

### 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)

### 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)

### 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)

### Tool

Operating tool



**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)

### Ferrule

Ferrule

1

**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)

1

**Item no.: 216-104**

[www.wago.com/216-104](http://www.wago.com/216-104)

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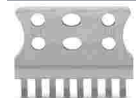
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Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; uninsulated; electro-tin plated; silver-colored

|   |  |  |
|---|--|--|
|  | <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> |


#### Strain relief

Strain relief

|  |   |  |
|--|---|--|
|  | <b>Item no.: 769-1610</b><br>Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 10-pole; gray    | <a href="http://www.wago.com/769-1610">www.wago.com/769-1610</a> |
|  | <b>Item no.: 769-414</b><br>Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 10- to 15-pole; gray | <a href="http://www.wago.com/769-414">www.wago.com/769-414</a>   |

#### Protective warning marker

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> |
|--|---|--|

#### Downloads

##### Documentation

##### Bid Text

|                 |             |        |          |
|-----------------|-------------|--------|----------|
| 769-110/022-000 | 2019 Feb 19 | xml    | Download |
| X81 - Datei     |             | 3.2 kB |          |

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#### Additional Information

Technical Section

Technical explanations

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#### CAD/CAE-Data

##### CAD data

2D/3D Models 769-110/022-000

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##### CAE data

EPLAN Data Portal 769-110/022-000

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WSCAD Universe 769-110/022-000

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#### Environmental Product Compliance

##### Compliance Search

Environmental Product Compliance 769-110/022-000

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1-conductor female connector, angled; CAGE CLAMP®; 4 mm<sup>2</sup>; Pin spacing 5 mm; 10-pole; coding finger; 4,00 mm<sup>2</sup>; gray

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#### Installation Notes

##### Coding

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

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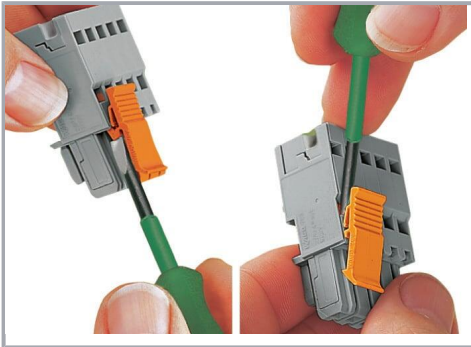
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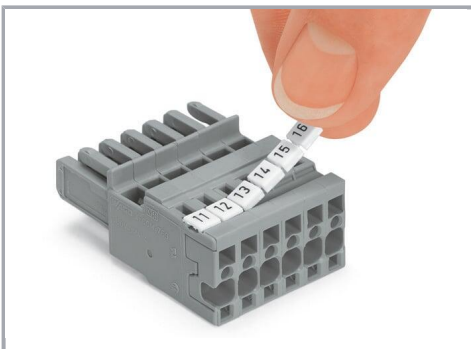
Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.

#### Locking system



Locking/releasing a lever.

#### Marking



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

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





## Product family

X-COM

[Show all products from the family](#)

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