

**Data sheet | Item number: 769-101/022-016**

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

[www.wago.com/769-101/022-016](http://www.wago.com/769-101/022-016)



**Data**

**Notes**

Safety information

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

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under load.

## Electrical data

### Ratings per IEC/EN

|             |              |
|-------------|--------------|
| Ratings per | IEC/EN 61984 |
|-------------|--------------|

### 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 <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                                   | 1  |
| Wiring direction                              | Front-entry wiring                         |
| Conductor entry direction to mating direction | 45 °                                       |

### Physical data

|              |                        |
|--------------|------------------------|
| Width        | 5 mm / 0.197 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          |

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## Plug-in connection

|                                      |                         |
|--------------------------------------|-------------------------|
| Contact type (pluggable connector)   | Female connector/socket |
| Connector (connection type)          | for conductor           |
| Mismatching protection               | No                      |
| Plugging without loss of pin spacing | Yes                     |

## Material Data

|                             |  |
|-----------------------------|--|
| Note (material data)        | Information on material specifications can be found here |
| Color                       | green-yellow   |
| Material group              | I  |
| Insulation material         | Polyamide (PA66)   |
| Flammability class per UL94 | V0   |
| Fire load                   | 0.045 MJ   |
| Halogen-free                | Yes  |
| Weight                      | 2.6 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)              | 100 pcs           |
| Packaging type        | box               |
| Country of origin     | DE                |
| GTIN                  | 4044918546348     |
| Customs tariff number | 85366990990       |

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## Environmental Product Compliance

RoHS Compliance Status


Compliant, No Exemption

## Approvals / Certificates

### General 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     |
|   | 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 | -                        | -                |

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UK-Declaration of Conformity  
WAGO GmbH & Co. KG

### 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.769-237</b><br>1-conductor/1-pin ground carrier terminal block; 4 mm <sup>2</sup> ; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 4,00 mm <sup>2</sup> ; green-yellow  | <a href="http://www.wago.com/769-237">www.wago.com/769-237</a>   |
|    | <b>Item no.769-257</b><br>2-conductor/1-pin ground carrier terminal block; 4 mm <sup>2</sup> ; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 4,00 mm <sup>2</sup> ; green-yellow  | <a href="http://www.wago.com/769-257">www.wago.com/769-257</a>   |
|   | <b>Item no.769-227</b><br>2-pin ground carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; green-yellow  | <a href="http://www.wago.com/769-227">www.wago.com/769-227</a>   |
|  | <b>Item no.870-107</b><br>2-conductor/2-pin, double-deck carrier terminal block; 2-conductor/2-pin ground terminal block; 2.5 mm <sup>2</sup> ; PE; internal commoning; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm <sup>2</sup> ; green-yellow | <a href="http://www.wago.com/870-107">www.wago.com/870-107</a>   |
|  | <b>Item no.870-1137</b><br>Double-deck terminal block; 4-conductor ground terminal block; 2.5 mm <sup>2</sup> ; PE; without marker carrier; internal commoning; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm <sup>2</sup> ; green-yellow         | <a href="http://www.wago.com/870-1137">www.wago.com/870-1137</a> |
|  | <b>Item no.870-157</b><br>4-pin, double-deck carrier terminal block; 4-pin ground conductor terminal block; PE; internal commoning; for DIN-rail 35 x 15 and 35 x 7.5; green-yellow   | <a href="http://www.wago.com/870-157">www.wago.com/870-157</a>   |

### Optional accessories













#### Insulation stop

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

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|  |  |  |
|--|--|--|
|    | <p><b>Item no.: 769-472</b><br/>Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/strip; dark gray</p>  | <a href="http://www.wago.com/769-472">www.wago.com/769-472</a>   |
| <b>Tool</b>  |  |  |
| Operating tool   |  |  |
|    | <p><b>Item no.: 769-434</b><br/>Operating tool; made of insulating material; 1-way; loose; white</p>   | <a href="http://www.wago.com/769-434">www.wago.com/769-434</a>   |
| <b>Protective warning marker</b>   |  |  |
| Cover  |  |  |
|    | <p><b>Item no.: 280-415</b><br/>Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow</p>                    | <a href="http://www.wago.com/280-415">www.wago.com/280-415</a>   |
| <b>Strain relief</b>   |  |  |
| Strain relief  |  |  |
|    | <p><b>Item no.: 769-410</b><br/>Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 1-pole; gray</p>                  | <a href="http://www.wago.com/769-410">www.wago.com/769-410</a>   |
| <b>Testing and measuring</b>   |  |  |
| Testing accessories  |  |  |
|   | <p><b>Item no.: 210-136</b><br/>Test plug; 2 mm Ø; with 500 mm cable; red</p>  | <a href="http://www.wago.com/210-136">www.wago.com/210-136</a>   |
| <b>Marking accessories</b>   |  |  |
| Marker   |  |  |
|  | <p><b>Item no.: 2009-145</b><br/>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p> | <a href="http://www.wago.com/2009-145">www.wago.com/2009-145</a> |
|  | <p><b>Item no.: 248-501</b><br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white</p>                                  | <a href="http://www.wago.com/248-501">www.wago.com/248-501</a>   |
| <b>Ferrule</b>   |  |  |
| Ferrule  |  |  |
|   | <p><b>Item no.: 216-101</b><br/>Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored</p>             | <a href="http://www.wago.com/216-101">www.wago.com/216-101</a>   |
|   | <p><b>Item no.: 216-104</b><br/>Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; uninsulated; electro-tin plated; silver-colored</p>             | <a href="http://www.wago.com/216-104">www.wago.com/216-104</a>   |
|   | <p><b>Item no.: 216-102</b><br/>Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored</p>            | <a href="http://www.wago.com/216-102">www.wago.com/216-102</a>   |
|   | <p><b>Item no.: 216-103</b><br/>Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; uninsulated; electro-tin plated</p>                               | <a href="http://www.wago.com/216-103">www.wago.com/216-103</a>   |
|   | <p><b>Item no.: 216-203</b></p>  |  |

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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)

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

## Downloads

### Documentation

#### Bid Text

|                                |             |                |          |
|--------------------------------|-------------|----------------|----------|
| 769-101/022-016<br>X81 - Datei | 2019 Feb 19 | xml<br>3.2 kB  | Download |
| 769-101/022-016<br>doc - Datei | 2017 Oct 4  | doc<br>26.1 kB | Download |

#### Additional Information

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

## CAD/CAE-Data

### CAD data

|                              |  |     |          |
|------------------------------|--|-----|----------|
| 2D/3D Models 769-101/022-016 |  | URL | Download |
|------------------------------|--|-----|----------|

### CAE data

|                                   |  |     |          |
|-----------------------------------|--|-----|----------|
| EPLAN Data Portal 769-101/022-016 |  | URL | Download |
|-----------------------------------|--|-----|----------|

|                                |  |     |          |
|--------------------------------|--|-----|----------|
| WSCAD Universe 769-101/022-016 |  | URL | Download |
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## Environmental Product Compliance

### Compliance Search

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|   |                     |                          |
|---|---------------------|--------------------------|
| Environmental Product Compliance 769-101/022-016<br>1-conductor female connector, angled; CAGE CLAMP®; 4 mm <sup>2</sup> ; Pin spacing 5 mm; 1-pole; coding finger; 4,00 mm <sup>2</sup> ; green-yellow | <a href="#">URL</a> | <a href="#">Download</a> |
|---|---------------------|--------------------------|

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## Installation Notes

### Coding

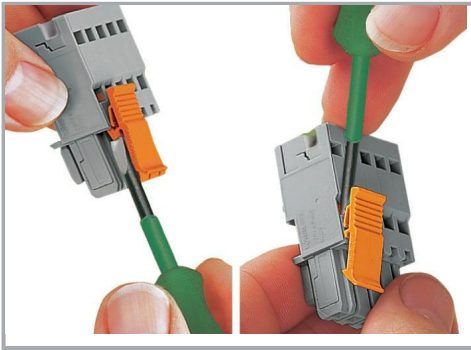


Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.

### Locking system

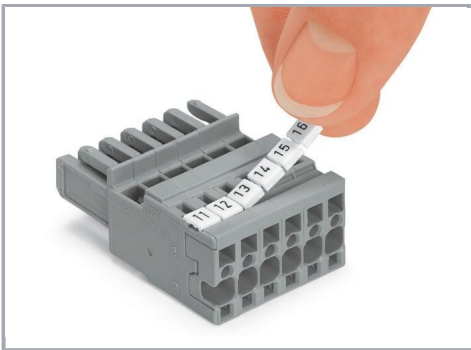
Subject to changes. Please also observe the further product documentation!





Locking/releasing a lever.

### Marking



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

### Product family

**X-COM**

[Show all products from the family](#)

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