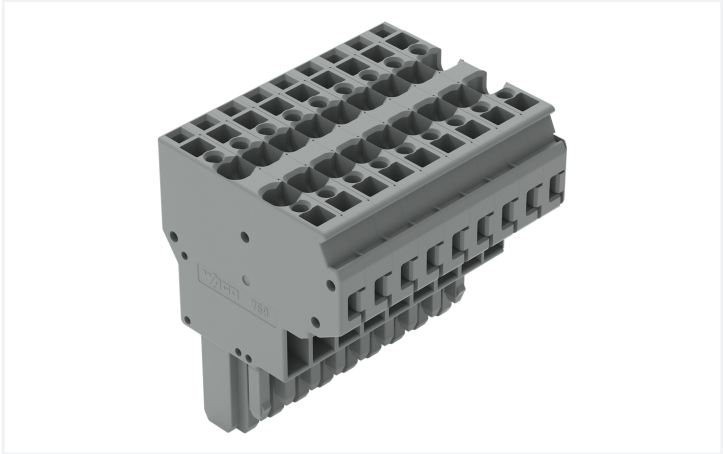
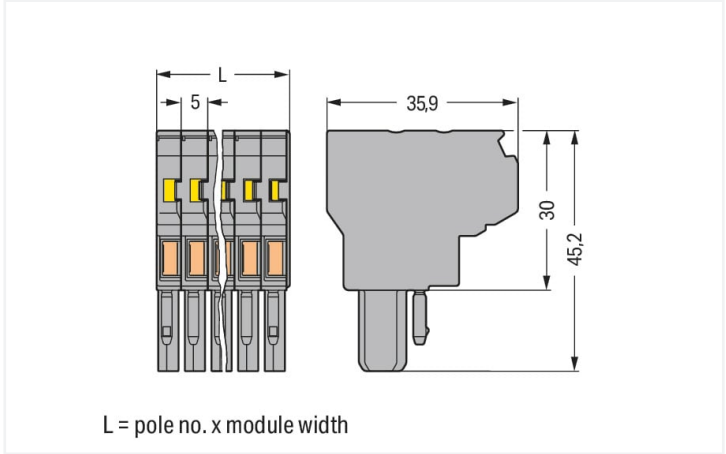


Data Sheet | Item Number: 769-129
2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 9-pole;
coding finger; 4,00 mm²; gray
<https://www.wago.com/769-129>



Color: ■ gray



Dimensions in mm

| 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 61984 | | |
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 500 V | - | - |
| Rated surge voltage | 6 kV | - | - |
| Rated current | 32 A | - | - |

| Connection data | | Connection 1 | |
|----------------------------|----|---------------------------------|-----------------------------------|
| Connection points | 18 | Connection technology | CAGE CLAMP® |
| Total number of potentials | 9 | 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 | 9 |
| | | Wiring direction | Front-entry wiring |

Physical data

| | |
|--------------|------------------------|
| Width | 45 mm / 1.772 inches |
| Height | 45.2 mm / 1.78 inches |
| Depth | 35.9 mm / 1.413 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 |

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 | 0.859 MJ |
| Halogen-free | Yes |
| Weight | 46.8 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) | 10 pcs |
| Packaging type | Box |
| Country of origin | PL |
| GTIN | 4044918474221 |
| Customs tariff number | 85366990990 |



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

Approvals / Certificates

| General approvals | | | Declarations of conformity and manufacturer's declarations | | |
|---|-----------|------------------|--|----------|------------------|
| | | | | | |
| Approval | Standard | Certificate Name | Approval | Standard | Certificate Name |
| CCA DEKRA Certification B.V. | EN 60947 | NTR NL-7626 | EU-Declaration of Confor- mity WAGO GmbH & Co. KG | - | - |
| CCA DEKRA Certification B.V. | EN 61984 | 2190419.02 | UK-Declaration of Confor- mity WAGO GmbH & Co. KG | - | - |
| CCA DEKRA Certification B.V. | IEC 61984 | NL-47799/A1 | | | |
| CSA CSA Group | C22.2 | 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 | | | |

Approvals for marine applications

| Approval | Standard | Certificate Name |
|---|----------|------------------|
| ABS American Bureau of Ship- ping | EN 60947 | 20-HG1941090-PDA |

Downloads

| Environmental Product Compliance | |
|---|--|
| Compliance Search | |
| Environmental Product Compliance 769-129 | |

Documentation

| Additional Information | | Bid Text | |
|------------------------|-------------------|----------|-------------------------------|
| Technical Section | pdf 2240.62 KB | 769-129 | 19.02.2019 xml 3.21 KB |
| | | 769-129 | 04.10.2017 doc 25.50 KB |
| | | | |














| CAD/CAE-Data | |
|--|---|
| <div>CAD data</div> <div>2D/3D Models 769-129</div> <div>↓</div> | <div>CAE data</div> <div>EPLAN Data Portal 769-129</div> <div>↓</div> <div>WSCAD Universe 769-129</div> <div>↓</div> <div>ZUKEN Portal 769-129</div> <div>↓</div> |

1 Compatible Products

1.1 Optional Accessories




1.1.1 Ferrule

1.1.1.1 Ferrule

| | | | |
|---|---|--|---|
|  <div>Item No.: 216-301 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow</div> |  <div>Item No.: 216-302 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise</div> |  <div>Item No.: 216-201 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white</div> |  <div>Item No.: 216-101 Ferrule; Sleeve for 0.5 mm² / AWG 22; un-insulated; electro-tin plated; silver-colored</div> |
|  <div>Item No.: 216-202 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray</div> |  <div>Item No.: 216-102 Ferrule; Sleeve for 0.75 mm² / AWG 20; un-insulated; electro-tin plated; silver-colored</div> |  <div>Item No.: 216-203 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red</div> |  <div>Item No.: 216-103 Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated</div> |
|  <div>Item No.: 216-204 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black</div> |  <div>Item No.: 216-104 Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; silver-colored</div> |  <div>Item No.: 216-206 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; blue</div> | |









1.1.2 Insulation stop

1.1.2.1 Insulation stop

| | | |
|---|--|--|
|  <div>Item No.: 769-470 Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white</div> |  <div>Item No.: 769-471 Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray</div> |  <div>Item No.: 769-472 Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray</div> |
|---|--|--|

1.1.3 Jumper

1.1.3.1 Jumper

| | | | |
|---|---|---|---|
|  <div>Item No.: 280-402 Jumper; insulated; gray</div> |  <div>Item No.: 780-452 Staggered jumper; from 1 to 2; insulated; gray</div> |  <div>Item No.: 780-453 Staggered jumper; from 1 to 3; insulated; gray</div> |  <div>Item No.: 780-454 Staggered jumper; from 1 to 4; insulated; gray</div> |
|  <div>Item No.: 780-455 Staggered jumper; from 1 to 5; insulated; gray</div> |  <div>Item No.: 780-456 Staggered jumper; from 1 to 6; insulated; gray</div> |  <div>Item No.: 780-457 Staggered jumper; from 1 to 7; insulated; gray</div> |  <div>Item No.: 780-458 Staggered jumper; from 1 to 8; insulated; gray</div> |

1.1.4 Locking system

1.1.4.1 Locking system



Item No.: 769-430

Locking lever; for female connectors; 1 part; Pin spacing 5 mm; 2-pole; gray



Item No.: 769-431

Locking lever; for female connectors; 1 part; Pin spacing 5 mm; 2-pole; orange

1.1.5 Marking

1.1.5.1 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



Item No.: 248-501

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

1.1.6 Protective warning marker

1.1.6.1 Cover



Item No.: 280-415

Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.1.7 Strain relief

1.1.7.1 Strain relief



Item No.: 769-413

Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 6- to 9-pole; gray

1.1.8 Test and measurement

1.1.8.1 Testing accessories



Item No.: 210-136

Test plug; 2 mm Ø; with 500 mm cable; red

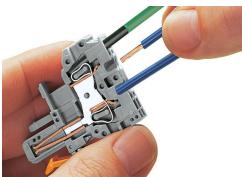
Installation Notes



2-conductor female plugs

- Common signals from one subassembly to the other (bus structure)
- Can be used as a T-wire branch tap connection (e.g. for lighting wiring)
- Enable a higher number of connection possibilities

Conductor termination

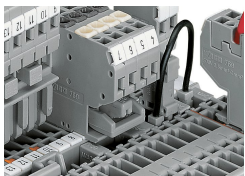


CAGE CLAMP® connection

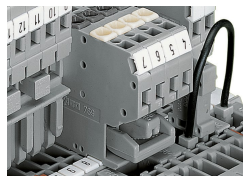
Female plug: Inserting/removing a conductor via operating tool.
Operation 90° to conductor is also possible.

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

Commoning



Commoning a 2-conductor female plug via staggered jumper and carrier terminal blocks via adjacent jumpers.



Commoning options of female plugs:

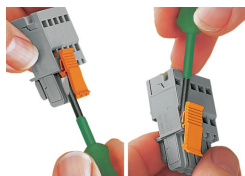
- After removal, commoned potentials still remain commoned
- Use of plug-in jumpers instead of additional wired jumpers
- Can be used as a "hardware" key for safety lockout
- Can also be used as a commoning jumper for sensor circuits or machine programming

Coding



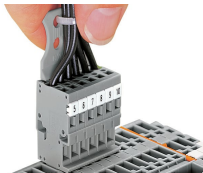
Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.

Locking system



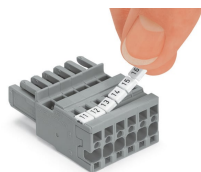
Locking/releasing a lever.

Strain relief



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.