

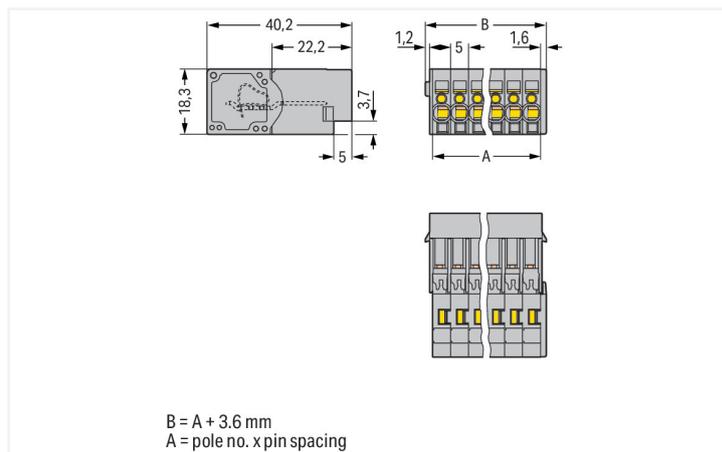
Data Sheet | Item Number: 769-611

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 11-pole;
4,00 mm²; gray

<https://www.wago.com/769-611>



Color: ■ gray



Dimensions in mm

Male connector, 769 Series, gray

Our male connector (item number 769-611) is designed for seamless electrical installations. Strip lengths must be between 8 and 9 mm when connecting conductors to this male connector. Pluggable rail-mount terminal blocks are primarily found in switchgear units and control systems, most notably in railroad technology. These innovative systems combine the benefits of rail-mount terminal blocks and connectors for a flexible and reliable wiring system. You also have the option of pre-assembling installations, which not only makes production but also installation, operation, and maintenance more efficient and cost-effective. This product incorporates conductor terminals and utilizes CAGE CLAMP®. Our proven universal connection known as CAGE CLAMP® is the industry standard when it comes to connection technology and electrical interconnections. The item's dimensions are (58.6 x 18.3 x 40.2) mm (width x height x depth). This male connector is suitable for conductor cross sections ranging from 0.08 mm² to 4 mm².

An operating tool is used to operate this male connector/plug.

Electrical data

Ratings per IEC/EN

| | |
|---|---|
| Nominal voltage (III/3) | 500 V |
| Rated impulse withstand voltage (III / 3) | 6 kV |
| Rated current | 32 A |
| Legend (ratings) | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

General information

| | |
|------------------|--------------------|
| Wiring direction | Front-entry wiring |
|------------------|--------------------|

Connection Data

| | |
|----------------------------|----|
| Clamping units | 11 |
| Total number of potentials | 11 |

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 | 11 |

Connection 1

| | |
|------------------|--------------------|
| Wiring direction | Front-entry wiring |
|------------------|--------------------|

Physical data

| | |
|-------------|------------------------|
| Pin spacing | 5 mm / 0.197 inches |
| Width | 58.6 mm / 2.307 inches |
| Height | 18.3 mm / 0.72 inches |
| Depth | 40.2 mm / 1.583 inches |

Mechanical data

| | |
|--|--------------|
| Variable coding | Yes |
| Direct ground contact to DIN-rail/drilled hole/housing | No |
| Mounting type | Flying leads |
| Anti-rotation protection | Yes |

Plug-in connection

| | |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type) | for conductor |
| Mismating protection | No |

Material data

| | |
|------------------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | gray |
| Material group | I |
| Insulation material (main housing) | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.643 MJ |
| Weight | 32.1 g |

Environmental requirements

| | |
|----------------------------------|-----------------|
| Processing temperature | -35 ... +85 °C |
| Continuous operating temperature | -60 ... +105 °C |

Commercial data

| | |
|-----------------------|-------------------|
| Product Group | 18 (X-COM-System) |
| PU (SPU) | 25 pcs |
| Packaging type | Box |
| Country of origin | PL |
| GTIN | 4044918521659 |
| Customs tariff number | 85366930000 |

Product Classification

| | |
|-------------|----------------------|
| UNSPSC | 39121409 |
| eCl@ss 10.0 | 27-14-11-06 |
| eCl@ss 9.0 | 27-14-11-06 |
| ETIM 9.0 | EC001284 |
| ETIM 10.0 | EC001284 |
| ECCN | NO US CLASSIFICATION |

Environmental Product Compliance

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

Approvals / Certificates

General approvals



| Approval | Standard | Certificate Name |
|---------------------------------------|-----------|------------------|
| CCA DEKRA Certification B.V. | EN 60947 | NTR NL-7626 |
| CCA DEKRA Certification B.V. | EN 61984 | 2190419.02 |
| 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 1059 | E45172 |
| UL Underwriters Laboratories Inc. | UL 1977 | 20151210-E45171 |

Declarations of conformity and manufacturer's declarations



| Approval | Standard | Certificate Name |
|---|----------|------------------|
| EU-Declaration of Confor- mity WAGO GmbH & Co. KG | - | - |
| Railway WAGO GmbH & Co. KG | - | Z00004428.000 |

Approvals for marine applications



| Approval | Standard | Certificate Name |
|---|----------|-------------------|
| DNV GL Det Norske Veritas, Ger- manischer Lloyd | - | TAE00001V2 |
| PRS Polski Rejestr Statków | - | TE/1094/880590/23 |

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 769-611



Documentation

Bid Text

| | | | |
|---------|------------|-----------------|--|
| 769-611 | 19.02.2019 | xml 3.09 KB | |
| 769-611 | 04.10.2017 | doc 24.50 KB | |

CAD/CAE-Data

CAD data

2D/3D Models 769-611



CAE data

EPLAN Data Portal 769-611



WSCAD Universe 769-611



ZUKEN Portal 769-611



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 769-111

1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 11-pole; coding finger; 4,00 mm²; gray



Item No.: 769-111/021-000

1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 11-pole; coding finger; Lateral locking levers; 4,00 mm²; gray



Item No.: 769-131

2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 11-pole; coding finger; 4,00 mm²; gray

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



Item No.: 769-435

Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors; orange

1.2.2 Ferrule

1.2.2.1 Ferrule



Item No.: 216-201

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white

Item No.: 216-101

Ferrule; Sleeve for 0.5 mm² / AWG 22; un-insulated; electro-tin plated; silver-colored

Item No.: 216-202

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

Item No.: 216-102

Ferrule; Sleeve for 0.75 mm² / AWG 20; un-insulated; electro-tin plated; silver-colored



Item No.: 216-203

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red

Item No.: 216-103

Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated

Item No.: 216-204

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black

Item No.: 216-104

Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; silver-colored



Item No.: 216-206

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; blue

1.2.3 Insulation stop

1.2.3.1 Insulation stop



Item No.: 769-470

Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white

Item No.: 769-471

Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray

Item No.: 769-472

Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray

1.2.4 Marking

1.2.4.1 Marker



Item No.: 248-501

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

1.2.4.2 Marking strip



Item No.: 210-833

Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white

Item No.: 210-831

Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white

Item No.: 210-832

Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white

Item No.: 210-834

Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

1.2.5 Protective warning marker

1.2.5.1 Cover



Item No.: 280-415

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

1.2.6 Strain relief

1.2.6.1 Strain relief



Item No.: 769-1611

Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 11-pole; gray



Item No.: 769-414

Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 10- to 15-pole; gray

1.2.7 Tool

1.2.7.1 Operating tool



Item No.: 210-490

Operating tool



Item No.: 769-434

Operating tool; made of insulating material; 1-way; loose; white

Installation Notes

Conductor termination



Operating tool

Inserting a conductor via operating tool (example shows a male connector).

Application



Male connector with CAGE CLAMP® connection
1-connector female plug, straight

Marking



Labeling a male connector with CAGE CLAMP® connection via Mini-WSB Quick Markers.