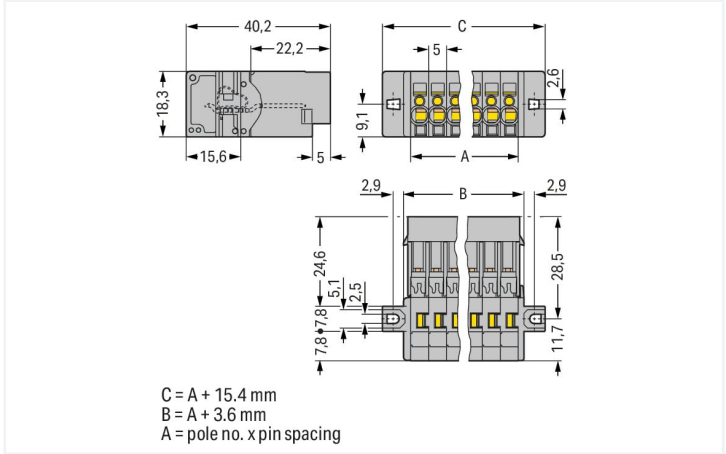


**Data Sheet | Item Number: 769-613/002-000**  
1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole;  
clamping collar; 4,00 mm²; gray  
<https://www.wago.com/769-613/002-000>



Color: ■ gray



Dimensions in mm

**Electrical data**

| Ratings per IEC/EN            |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Nominal voltage (III/3)       | 500 V                                                     |
| Rated impulse voltage (III/3) | 6 kV                                                      |
| Rated current                 | 32 A                                                      |
| Legend (ratings)              | (III / 3) Δ Overvoltage category III / Pollution degree 3 |

**Connection data**

|                            |    |
|----------------------------|----|
| Connection points          | 13 |
| Total number of potentials | 13 |

| Connection 1                    |                                   |
|---------------------------------|-----------------------------------|
| Connection technology           | CAGE CLAMP®                       |
| 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                     | 13                                |
| Wiring direction                | Front-entry wiring                |

**Physical data**

|                         |                        |
|-------------------------|------------------------|
| Pin spacing             | 5 mm / 0.197 inches    |
| Width                   | 80.4 mm / 3.165 inches |
| Height from the surface | 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                                          | Mounting flange |
| 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)        | <a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                       | gray                                                                                                                   |
| Material group              | I                                                                                                                      |
| Insulation material         | Polyamide (PA66)                                                                                                       |
| Flammability class per UL94 | V0                                                                                                                     |
| Fire load                   | 0.886 MJ                                                                                                               |
| Weight                      | 39.3 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)              | 15 pcs            |
| Packaging type        | Box               |
| Country of origin     | PL                |
| GTIN                  | 4017332602952     |
| Customs tariff number | 85366930000       |

**Environmental Product Compliance**

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



Approvals / Certificates

General approvals



| Approval                              | Standard  | 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>CSA Group                      | C22.2     | 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

| Approval                                                | Standard | Certificate Name |
|---------------------------------------------------------|----------|------------------|
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |
| UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |

Approvals for marine applications



| Approval                                              | Standard | Certificate Name |
|-------------------------------------------------------|----------|------------------|
| DNV GL<br>Det Norske Veritas, Ger-<br>manischer Lloyd | -        | TAE00001V2       |

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product  
Compliance  
769-613/002-000



Documentation

Additional Information

Technical Section

pdf  
2240.62 KB



Bid Text

769-613/002-000

19.02.2019

xml  
3.24 KB



769-613/002-000

04.10.2017

doc  
25.00 KB





| CAD/CAE-Data                    |                                      |
|---------------------------------|--------------------------------------|
| CAD data                        | CAE data                             |
| 2D/3D Models<br>769-613/002-000 | EPLAN Data Portal<br>769-613/002-000 |
|                                 | WSCAD Universe<br>769-613/002-000    |
|                                 | ZUKEN Portal<br>769-613/002-000      |

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



|                                                                                                                                        |                                                                                                                                                                        |                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Item No.: 769-113</b><br>1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; coding finger; 4,00 mm²; gray | <b>Item No.: 769-113/021-000</b><br>1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; coding finger; Lateral locking levers; 4,00 mm²; gray | <b>Item No.: 769-133</b><br>2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; coding finger; 4,00 mm²; gray |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|

1.2 Required Accessories

1.2.1 Installation

1.2.1.1 Mounting accessories



|                                                                          |
|--------------------------------------------------------------------------|
| <b>Item No.: 769-499</b><br>Fixing screw M2.5 x 16; and hexagon nut M2.5 |
|--------------------------------------------------------------------------|

1.3 Optional Accessories

1.3.1 Coding

1.3.1.1 Coding



|                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------|
| <b>Item No.: 769-435</b><br>Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors; orange |
|---------------------------------------------------------------------------------------------------------------------------|



1.3.2 Ferrule

1.3.2.1 Ferrule



**Item No.: 216-201**  
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; 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

1.3.3 Insulation stop

1.3.3.1 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

1.3.4 Marking

1.3.4.1 Marker



**Item No.: 248-501**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

1.3.4.2 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



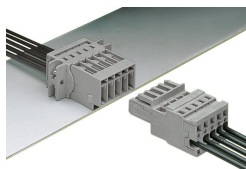
**Item No.: 210-832**  
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white



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



## Application



Male connector with CAGE CLAMP® and mounting flanges  
1-connector female plug, straight

## Marking



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