

<https://www.wago.com/769-615/002-000>



Dimensions in mm

Error-free electrical installations are guaranteed with this male connector (item number 769-615/002-000). Conductors should only be connected to this male connector if their strip length is between 8 and 9 mm. Pluggable rail-mount terminal blocks are mainly used in switchgear units and control systems (e.g., in railroad technology). They are essentially a combination of rail-mount terminal blocks and pluggable connectors. You can also pre-assemble installations thanks to the variable wiring system. This saves both time and money during manufacture, installation, operation, and maintenance. This product incorporates conductor terminals and utilizes CAGE CLAMP®. Our CAGE CLAMP® connection provides a proven and maintenance-free way to connect all types of conductors. You do not need to prepare the conductor in any way, such as crimping ferrules. Depending on the conductor type, this male connector is suitable for conductor cross sections ranging from 0.08 mm² to 4 mm².

This male connector/plug is operated with an operating tool.

|                                 |                                   |
|---------------------------------|-----------------------------------|
| 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                     | 15                                |



| Connection 1     |                    |
|------------------|--------------------|
| Wiring direction | Front-entry wiring |

| Physical data           |                        |
|-------------------------|------------------------|
| Pin spacing             | 5 mm / 0.197 inches    |
| Width                   | 90.4 mm / 3.559 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             |
| Suitable for through-panel applications                | 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="#">Information on material specifications can be found here</a> |
| Color                              | gray                                                                     |
| Material group                     | I                                                                        |
| Insulation material (main housing) | Polyamide (PA66)                                                         |
| Flammability class per UL94        | V0                                                                       |
| Fire load                          | 0.908 MJ                                                                 |
| Weight                             | 44.8 g                                                                   |

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

| Commercial data       |                   |
|-----------------------|-------------------|
| Product Group         | 18 (X-COM-System) |
| PU (SPU)              | 20 pcs            |
| Packaging type        | Box               |
| Country of origin     | PL                |
| GTIN                  | 4044918521895     |
| 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                       |           |                  | Declarations of conformity and manufacturer's declarations |          |                  |
|-----------------------------------------|-----------|------------------|------------------------------------------------------------|----------|------------------|
|                                         |           |                  |                                                            |          |                  |
| Approval                                | Standard  | Certificate Name | Approval                                                   | Standard | Certificate Name |
| CCA<br>DEKRA Certification B.V.         | EN 60947  | NTR NL-7626      | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| CCA<br>DEKRA Certification B.V.         | EN 61984  | 2190419.02       | Railway<br>WAGO GmbH & Co. KG                              | -        | Z00004428.000    |
| 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<br>Inc. | UL 1059   | E45172           |                                                            |          |                  |
| UL<br>Underwriters Laboratories<br>Inc. | UL 1977   | 20151210-E45171  |                                                            |          |                  |

Approvals for marine applications

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



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance

769-615/002-000

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Documentation

Bid Text

|                 |            |                 |   |
|-----------------|------------|-----------------|---|
| 769-615/002-000 | 19.02.2019 | xml<br>3.24 KB  | ↓ |
| 769-615/002-000 | 04.10.2017 | doc<br>25.00 KB | ↓ |

CAD/CAE-Data

CAD data

2D/3D Models

769-615/002-000

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CAE data

EPLAN Data Portal

769-615/002-000

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WSCAD Universe

769-615/002-000

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ZUKEN Portal

769-615/002-000

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1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 769-115

1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 15-pole; coding finger; 4,00 mm²; gray



Item No.: 769-115/021-000

1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 15-pole; coding finger; Lateral locking levers; 4,00 mm²; gray



Item No.: 769-135

2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 15-pole; coding finger; 4,00 mm²; gray

1.2 Required Accessories

1.2.1 Installation

1.2.1.1 Mounting accessories



Item No.: 769-499

Fixing screw M2.5 x 16; and hexagon nut M2.5



1.3 Optional Accessories

1.3.1 Coding

1.3.1.1 Coding



**Item No.: 769-435**  
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; 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

1.3.3 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

1.3.5 Protective warning marker

1.3.5.1 Cover



**Item No.: 280-415**  
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.3.6 Strain relief

1.3.6.1 Strain relief



**Item No.: 769-414**  
Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 10- to 15-pole; gray

1.3.7 Tool

1.3.7.1 Operating tool



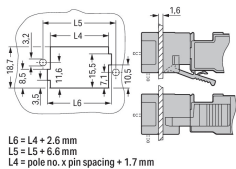
**Item No.: 210-490**  
Operating tool



**Item No.: 769-434**  
Operating tool; made of insulating material; 1-way; loose; white

Installation Notes

Installation



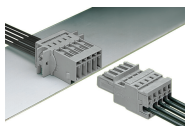
Cutout  
Headers with solder pins and mounting flanges

## Conductor termination



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

## 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.