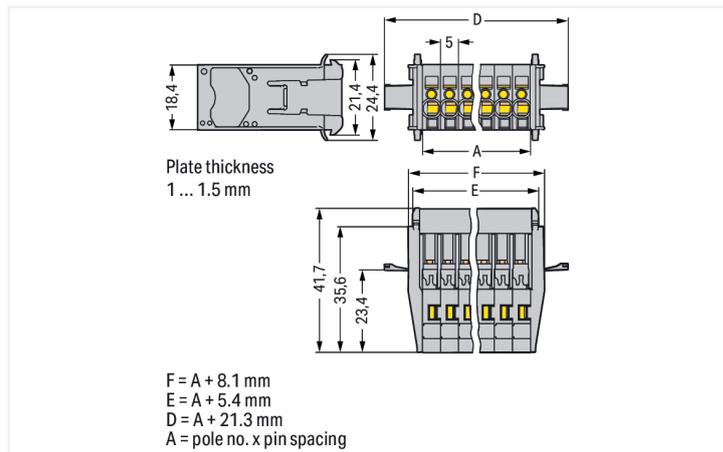


# Data Sheet | Item Number: 769-614/005-000

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 14-pole;  
Snap-in flange; 4,00 mm²; gray

<https://www.wago.com/769-614/005-000>



Color: ■ gray

Similar to illustration

Dimensions in mm

## Male connector, 769 Series, CAGE CLAMP®

This male connector (item number 769-614/005-000) simplifies electrical installations. Ensure that the strip lengths are 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 features conductor terminals and utilizes CAGE CLAMP®. Our renowned universal connection known as CAGE CLAMP® is industry-leading when it comes to connection technology and electrical interconnections. Dimensions: (91.3 x 24.4 x 41.7) mm (width x height x depth). Depending on the conductor type, 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             | 14 |
| Total number of potentials | 14 |

#### 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 |

### Connection 1

|                  |                                   |
|------------------|-----------------------------------|
| Strip length     | 8 ... 9 mm / 0.31 ... 0.35 inches |
| Pole number      | 14                                |
| Wiring direction | Front-entry wiring                |

### Physical data

|             |                        |
|-------------|------------------------|
| Pin spacing | 5 mm / 0.197 inches    |
| Width       | 91.3 mm / 3.594 inches |
| Height      | 24.4 mm / 0.961 inches |
| Depth       | 41.7 mm / 1.64 inches  |

### Mechanical data

|  |                |
|--|----------------|
| Variable coding  | Yes            |
| Direct ground contact to DIN-rail/drilled hole/housing | No             |
| Mounting type  | Snap-in 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                          | 0.866 MJ   |
| Weight                             | 42.5 g   |

### Environmental requirements

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

### Commercial data

|                       |                   |
|-----------------------|-------------------|
| Product Group         | 18 (X-COM-System) |
| PU (SPU)              | 10 pcs            |
| Packaging type        | Box               |
| Country of origin     | PL                |
| GTIN                  | 4044918854542     |
| 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 |
|--------------------------------------|-----------|------------------|
| 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          |
| UL<br>Underwriters Laboratories Inc. | UL 1059   | E45172           |
| UL<br>Underwriters Laboratories Inc. | UL 1977   | 20151210-E45171  |

| Approval                      | Standard | Certificate Name |
|-------------------------------|----------|------------------|
| Railway<br>WAGO GmbH & Co. KG | -        | Z00004428.000    |

**Downloads**

**Environmental Product Compliance**

**Compliance Search**

|   |   |
|---|---|
| Environmental Product Compliance<br>769-614/005-000 | ↓ |
|---|---|

**Documentation**

**Bid Text**

|                 |            |                 |   |
|-----------------|------------|-----------------|---|
| 769-614/005-000 | 19.02.2019 | xml<br>3.15 KB  | ↓ |
| 769-614/005-000 | 04.10.2017 | doc<br>25.00 KB | ↓ |

## CAD/CAE-Data

| CAD data                        | CAE data                             |
|---------------------------------|--------------------------------------|
| 2D/3D Models<br>769-614/005-000 | EPLAN Data Portal<br>769-614/005-000 |
|                                 | WSCAD Universe<br>769-614/005-000    |
|                                 | ZUKEN Portal<br>769-614/005-000      |

## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Female connector/socket



**Item No.: 769-114**

1-conductor female connector; CAGE CLAMP®; 4 mm<sup>2</sup>; Pin spacing 5 mm; 14-pole; coding finger; 4,00 mm<sup>2</sup>; gray

**Item No.: 769-114/021-000**

1-conductor female connector; CAGE CLAMP®; 4 mm<sup>2</sup>; Pin spacing 5 mm; 14-pole; coding finger; Lateral locking levers; 4,00 mm<sup>2</sup>; gray

**Item No.: 769-134**

2-conductor female connector; CAGE CLAMP®; 4 mm<sup>2</sup>; Pin spacing 5 mm; 14-pole; coding finger; 4,00 mm<sup>2</sup>; 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 mm<sup>2</sup> / 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 mm<sup>2</sup> / AWG 22; un-insulated; electro-tin plated; silver-colored



**Item No.: 216-202**

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray



**Item No.: 216-102**

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; un-insulated; electro-tin plated; silver-colored



**Item No.: 216-203**

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; red



**Item No.: 216-103**

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; un-insulated; electro-tin plated



**Item No.: 216-204**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; un-insulated; electro-tin plated; black



**Item No.: 216-104**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; un-insulated; electro-tin plated; silver-colored



**Item No.: 216-206**

Ferrule; Sleeve for 2.5 mm<sup>2</sup> / 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 mm<sup>2</sup> "s" (0.14 mm<sup>2</sup> "f-st"); 5 pieces/strip; white



**Item No.: 769-471**

Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip; light gray



**Item No.: 769-472**

Insulation stop; 0.75 - 1 mm<sup>2</sup>; 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.: 769-414**

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

### Installation



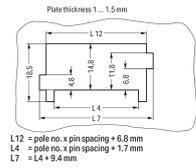
Insert a male connector with snap-in flanges (769-604/005-000) into the cutout.



Male connector with snap-in flanges  
Tool-free assembly



Tool-free assembly



Cutout  
Male connectors with CAGE CLAMP® connection (769-6xx/005-000) and snap-in flanges

## Conductor termination



Operating tool

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

## Marking



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