

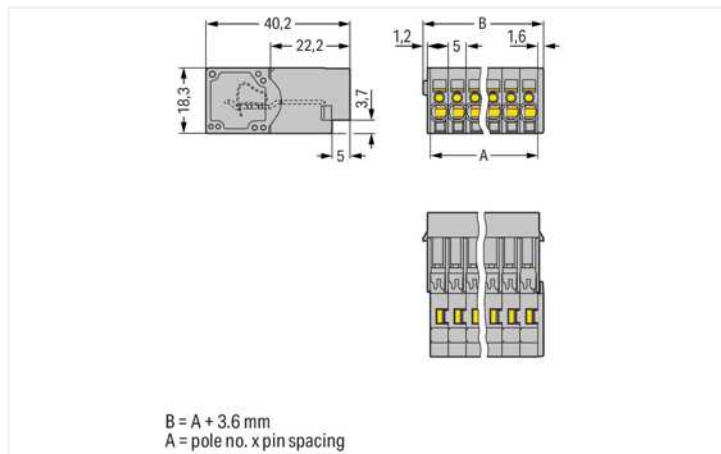
## Data Sheet | Item Number: 769-606

1-conductor male connector; CAGE CLAMP®; 4 mm<sup>2</sup>; Pin spacing 5 mm; 6-pole;  
4,00 mm<sup>2</sup>; gray

<https://www.wago.com/769-606>



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) $\triangleq$ Overvoltage category III / Pollution degree 3 |

### Connection data

|                            |   |
|----------------------------|---|
| Connection points          | 6 |
| Total number of potentials | 6 |

#### Connection 1

|                                 |  |
|---------------------------------|--|
| Connection technology           | CAGE CLAMP®                                |
| Actuation type                  | Operating tool                             |
| Connectable conductor materials | Copper                                     |
| Nominal cross-section           | 4 mm <sup>2</sup> / 12 AWG                 |
| Solid conductor                 | 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Fine-stranded conductor         | 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Strip length                    | 8 ... 9 mm / 0.31 ... 0.35 inches          |
| Pole number                     | 6  |
| Wiring direction                | Front-entry wiring                         |

### Physical data

|             |                        |
|-------------|------------------------|
| Pin spacing | 5 mm / 0.197 inches    |
| Width       | 33.6 mm / 1.323 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)        | <a href="#">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                   | 0.356 MJ   |
| Weight                      | 17.8 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)              | 50 pcs            |
| Packaging type        | Box               |
| Country of origin     | PL                |
| GTIN                  | 4044918521154     |
| Customs tariff number | 85366990990       |

### 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>DEKRA Certification B.V.       | C22.2 No. 158 | 1101144          |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947      | 2190419.01       |

#### General approvals

|   |         |        |
|---|---------|--------|
| UR<br>Underwriters Laboratories<br>Inc. | UL 1059 | E45172 |
|---|---------|--------|

Approvals for marine applications



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

Downloads

Environmental Product Compliance

| Compliance Search  |
|--|
| Environmental Product Compliance 769-606 <a href="#">↓</a> |

Documentation

| Additional Information                             |
|--|
| Technical Section pdf 2142.18 KB <a href="#">↓</a> |

| Bid Text |            |     |          |                   |
|----------|------------|-----|----------|-------------------|
| 769-606  | 19.02.2019 | xml | 3.09 KB  | <a href="#">↓</a> |
| 769-606  | 04.10.2017 | doc | 24.50 KB | <a href="#">↓</a> |

CAD/CAE-Data

| CAD data                               |
|--|
| 2D/3D Models 769-606 <a href="#">↓</a> |

| CAE data                  |                   |
|---------------------------|-------------------|
| EPLAN Data Portal 769-606 | <a href="#">↓</a> |
| WSCAD Universe 769-606    | <a href="#">↓</a> |
| ZUKEN Portal 769-606      | <a href="#">↓</a> |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Coding

### 1.1.1.1 Coding



**Item No.: 769-435**

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

### 1.1.2 Ferrule

#### 1.1.2.1 Ferrule



**Item No.: 216-201**

Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; 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

### 1.1.3 Insulation stop

#### 1.1.3.1 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

### 1.1.4 Marking

#### 1.1.4.1 Marker



**Item No.: 248-501**

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

#### 1.1.4.2 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

### 1.1.5 Protective warning marker

### 1.1.5.1 Cover



**Item No.: 280-415**

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

### 1.1.6 Strain relief

#### 1.1.6.1 Strain relief



**Item No.: 769-1606**

Strain relief housing; gray



**Item No.: 769-413**

Strain relief plate; gray

### 1.1.7 Tool

#### 1.1.7.1 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.