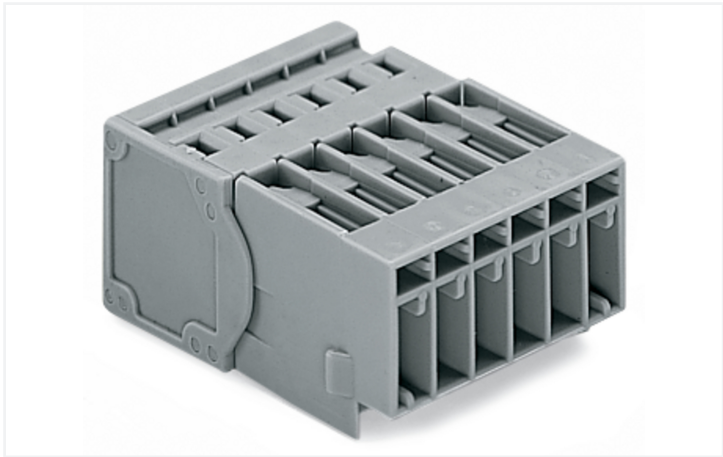
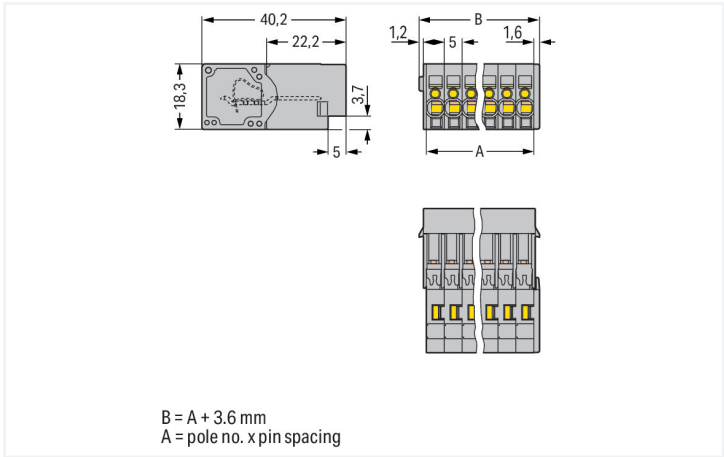




Color: ■ gray



Dimensions in mm

Male connector, 769 Series, CAGE CLAMP®

This male connector (item number 769-606) simplifies electrical installations. Strip lengths must be between 8 and 9 mm when connecting conductors to this male connector. Pluggable rail-mount terminal blocks are hugely popular in switchgear and control systems, for example, in railroad technology. They combine the best of rail-mount terminal blocks and connectors to create the perfect solution. Variable wiring systems make pre-assembly easy, which leads to considerable time and cost savings in production, installation, operation, and maintenance. This product features conductor terminals and utilizes CAGE CLAMP®. Our CAGE CLAMP® connection offers a dependable 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. Dimensions: (33.6 x 18.3 x 40.2) mm (width x height x depth). Depending on the conductor type, this male connector is ideal 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                        |                                                           | General information |                    |
| Nominal voltage (III/3)                   | 500 V                                                     | Wiring direction    | Front-entry wiring |
| Rated impulse withstand voltage (III / 3) | 6 kV                                                      |                     |                    |
| Rated current                             | 32 A                                                      |                     |                    |
| Legend (ratings)                          | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |                     |                    |

| Connection Data            |   | Connection 1                    |                                   |
|----------------------------|---|---------------------------------|-----------------------------------|
| Clamping units             | 6 | Connection technology           | CAGE CLAMP®                       |
| Total number of potentials | 6 | 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                     | 6                                 |



| Connection 1     |                    |
|------------------|--------------------|
| 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 (main housing) | Polyamide (PA66)                                                         |
| Flammability class per UL94        | V0                                                                       |
| Fire load                          | 0.361 MJ                                                                 |
| Weight                             | 17.9 g                                                                   |

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

| Commercial data       |                   |
|-----------------------|-------------------|
| Product Group         | 18 (X-COM-System) |
| PU (SPU)              | 50 pcs            |
| Packaging type        | Box               |
| Country of origin     | PL                |
| GTIN                  | 4044918521154     |
| 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<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 1059   | E45172           |
| UL<br>Underwriters Laboratories Inc.  | UL 1977   | 20151210-E45171  |

Declarations of conformity and manufacturer's declarations



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

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 769-606

Download icon

| Documentation |            |     |          |               |
|---------------|------------|-----|----------|---------------|
| Bid Text      |            |     |          |               |
| 769-606       | 19.02.2019 | xml | 3.09 KB  | Download icon |
| 769-606       | 04.10.2017 | doc | 24.50 KB | Download icon |

CAD/CAE-Data

CAD data

2D/3D Models 769-606

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CAE data

EPLAN Data Portal 769-606

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WSCAD Universe 769-606

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ZUKEN Portal 769-606

Download icon

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket

[Item No.: 769-106](#)  
1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 6-po-  
le; coding finger; 4,00 mm²; gray

[Item No.: 769-106/021-000](#)  
1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 6-po-  
le; coding finger; Lateral locking levers;  
4,00 mm²; gray

[Item No.: 769-126](#)  
2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 6-po-  
le; 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.: 769-1606**  
Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 6-pole; gray



**Item No.: 769-413**  
Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 6- to 9-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.