End module for 2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing

5 mm; 1-pole; coding finger; 4,00 mm²; gray

https://www.wago.com/769-506





Color: ■ gray

Customizing Modular Female Plugs

WAGO's modular X-COM®-SYSTEM female plugs can be customized for applications that require a varying number of poles (e.g., when designing prototypes).

Modules and Pole Numbers

A customized X-COM®-SYSTEM female plug consists of:

- One base module with an integrated end plate
- Up to 13 center modules (corresponding to a 15-pole female plug = maximum pole number)
- · One end module

Intended Use

According to EN 61984, connectors without current interrupting capacity must not be mated or unmated when live or under load.

Assembly

The appropriate mounting tool shall be used to ensure that the individual modules are properly attached to each other without damaging the locking latches.

| Notes | |
|--------------------|---|
| Safety information | According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load. |

| Electrical data | | | |
|----------------------|-------|-----------|----|
| Ratings per | IE | C/EN 6198 | 4 |
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 500 V | - | - |
| Rated surge voltage | 6 kV | - | - |
| Rated current | 32 A | _ | - |

Data Sheet | Item Number: 769-506 https://www.wago.com/769-506



| onnection data | | | |
|------------------------------|---------------------------------|---------------------------|--------------------|
| Connection points | 2 | Connection 1 | |
| Total number of potentials 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 | 1 |
| | | Wiring direction | Front-entry wiring |

| Physical data | |
|---------------|------------------------|
| Width | 5 mm / 0.197 inches |
| Height | 45.2 mm / 1.78 inches |
| Depth | 35.9 mm / 1.413 inches |
| Module width | 5 mm / 0.197 inches |

| Mechanical data | |
|--|--------------|
| Variable coding | Yes |
| Direct ground contact to DIN-rail/drilled hole/housing | No |
| Marking level | Side marking |
| Anti-rotation protection | Yes |

| Plug-in connection | |
|--------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type) | for conductor |
| Mismating protection | No |
| Plugging without loss of pin spacing | Yes |

| Material data | |
|-----------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | gray |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.08 MJ |
| Halogen-free | Yes |
| Weight | 4.8 g |

https://www.wago.com/769-506



Environmental requirements

-35 ... +85 °C Processing temperature 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) | 250 pcs |
| Packaging type | Bag |
| Country of origin | PL |
| GTIN | 4017332331463 |
| Customs tariff number | 85366990990 |

Environmental Product Compliance

Compliant, No Exemption RoHS Compliance Status

Approvals / Certificates

General approvals











| Approval | Standard | Certificate Name |
|---|----------|------------------|
| CCA DEKRA Certification B.V. | EN 60947 | NTR NL-7626 |
| CCA DEKRA Certification B.V. | EN 61984 | 2190419.02 |
| CCA DEKRA Certification B.V. | EN 61984 | NL-47799/A1 |
| CSA CSA Group | C22.2 | 1101144 |
| KEMA/KEUR DEKRA Certification B.V. | EN 60947 | 2190419.01 |
| UL Underwriters Laboratories Inc. | UL 1977 | E 45171 |
| UR Underwriters Laboratories | UL 1059 | E45172 |

Declarations of conformity and manufacturer's declarations

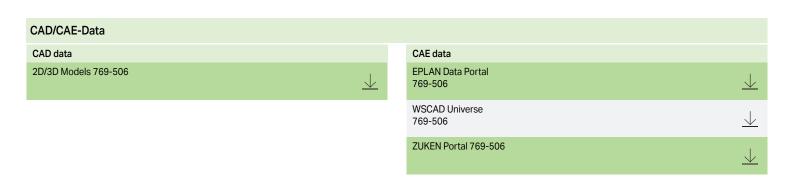
| Approval | Standard | Certificate Name |
|--|----------|------------------|
| EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |
| UK-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

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1.1.2 Insulation stop

1.1.2.1 Insulation stop







<u>Item No.: 769-470</u>

Insulation stop; 0.08 - 0.2 mm 2 "s" (0.14 mm 2 "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

1.1.3 Locking system

1.1.3.1 Locking system









Item No.: 769-428

Locking lever; for female connectors; 1 part; Pin spacing 5 mm; 1-pole; gray

Item No.: 769-429

Locking lever; for female connectors; 1 part; Pin spacing 5 mm; 1-pole; orange

Item No.: 769-430

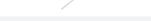
Locking lever; for female connectors; 1 part; Pin spacing 5 mm; 2-pole; gray

Item No.: 769-431

Locking lever; for female connectors; 1 part; Pin spacing 5 mm; 2-pole; orange

1.1.4 Marking

1.1.4.1 Marker





Item No.: 2009-145

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white 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.: 210-831

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

1.1.5 Protective warning marker

1.1.5.1 Cover



500

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

https://www.wago.com/769-506



1.1.6 Strain relief

1.1.6.1 Strain relief



<u>Item No.: 769-414</u>

Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 10-to 15-pole; gray



Item No.: 769-410

Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 1-pole; gray



Item No.: 769-411

Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 2-to 3-pole; gray



Item No.: 769-412

Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 4-to 5-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

1.1.7 Test and measurement

1.1.7.1 Testing accessories



Item No.: 210-136

Test plug; 2 mm Ø; with 500 mm cable; red

1.1.8 Tool

1.1.8.1 Operating tool

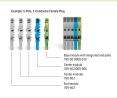


Item No.: 769-434

Operating tool; made of insulating material; 1-way; loose; white

Installation Notes

Installation



Female plugs for self-assembly



Commoning



Commoning a 2-conductor female plug via staggered jumper and carrier terminal blocks via adjacent jumpers.



Commoning options of female plugs:

- After removal, commoned potentials still remain commoned
- Use of plug-in jumpers instead of additional wired jumpers
- Can be used as a "hardware" key for safety lockout
- Can also be used as a commoning jumper for sensor circuits or machine programming

Coding



Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.

Locking system



Locking/releasing a lever.

Strain relief



Removing a female plug via conductor bundle provided with strain relief plate.

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Marking



Labeling a female plug with CAGE CLAMP® connection via Mini-WSB Quick Markers.

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$