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

https://www.wago.com/769-502





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: 769-502 https://www.wago.com/769-502



Connection data			
Connection points	1	Connection 1	
Total number of potentials 1	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	18.3 mm / 0.72 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)	<a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a>
Color	gray
Insulation material	Polyamide (PA66)
Flammability class per UL94	VO
Fire load	0.061 MJ
Halogen-free	Yes
Weight	3.2 g

https://www.wago.com/769-502



### **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	DE
GTIN	4017332331425
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

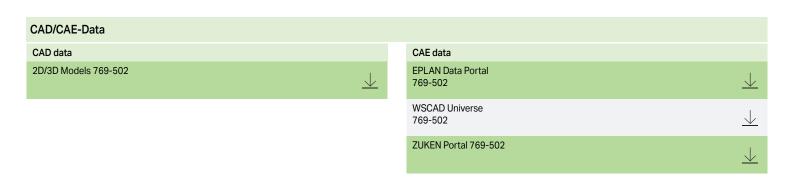
Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

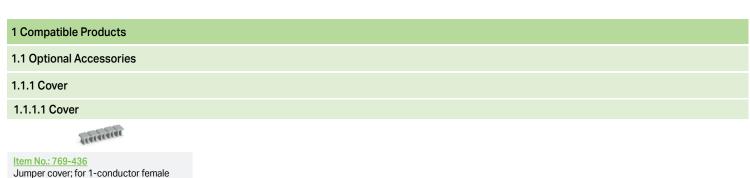
https://www.wago.com/769-502



## **Downloads Environmental Product Compliance** Compliance Search **Environmental Product** Compliance 769-502







Jumper cover; for 1-conductor female plugs; for 5 poles; gray



https://www.wago.com/769-502



#### 1.1.2.1 Ferrule

Item No.: 216-204

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

Item No.: 216-104

Item No.: 769-471

Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; 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

CCCC

Insulation stop; 0.25 - 0.5 mm²; 5 pieces/ strip; light gray Of the last

Item No.: 769-472

Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/ strip; dark gray

### 1.1.4 Jumper

#### 1.1.4.1 Jumper



Item No.: 769-402

Jumper; insulated; gray

#### 1.1.5 Locking system

#### 1.1.5.1 Locking system



Item No.: 769-428

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

25

Item No.: 769-429

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

1

Item No.: 769-430

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

100

Item No.: 769-431

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

#### 1.1.6 Marking

#### 1.1.6.1 Label



Item No.: 210-805

Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; white

Item No.: 210-805/000-002

Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; yellow

#### 1.1.6.2 Marker



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

https://www.wago.com/769-502



#### 1.1.6.3 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

#### 1.1.7 Protective warning marker

#### 1.1.7.1 Cover



#### Item No.: 280-415

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

#### 1.1.8 Strain relief

#### 1.1.8.1 Strain relief



Item No.: 769-1610

Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 10-pole; gray



Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 11-pole; gray



Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 12-pole; gray

#### Item No.: 769-1613

Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 13-pole; gray



Item No.: 769-1614

Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 14-pole; gray

#### Item No.: 769-1615

Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 15-pole; gray

#### Item No.: 769-1602

Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 2-pole; gray

#### Item No.: 769-1603

Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 3-pole; gray



Item No.: 769-1604

Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 4-pole; gray

#### Item No.: 769-1605

Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 5-pole; gray

#### Item No.: 769-1606

Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 6-pole; gray

#### Item No.: 769-1607

Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 7-pole; gray



Item No.: 769-1608

Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 8-pole; gray

Item No.: 769-1609 Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 9pole; gray

### Item No.: 769-414

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

Continued on next page



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

https://www.wago.com/769-502



#### 1.1.9 Test and measurement

#### 1.1.9.1 Testing accessories



Item No.: 210-136

Test plug; 2 mm  $\emptyset$ ; with 500 mm cable; red

#### 1.1.10 Tool

### 1.1.10.1 Operating tool



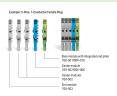


Item No.: 210-490 Operating tool Item No.: 769-434
Operating tool: made of ins

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

#### **Installation Notes**

#### Installation



Female plugs for self-assembly

### Conductor termination



#### CAGE CLAMP® connection

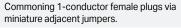
Female plug: Inserting/removing a conductor via operating tool.

Operation 90° to conductor is also possible.

With ferruled conductors, it is necessary to use a terminal block one size smaller than the conductor's nominal cross-section.

### Commoning







Jumper cover for 1-conductor female plugs

https://www.wago.com/769-502



#### 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.

### Marking



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

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

Current addresses can be found at::  $\underline{www.wago.com}$ 

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