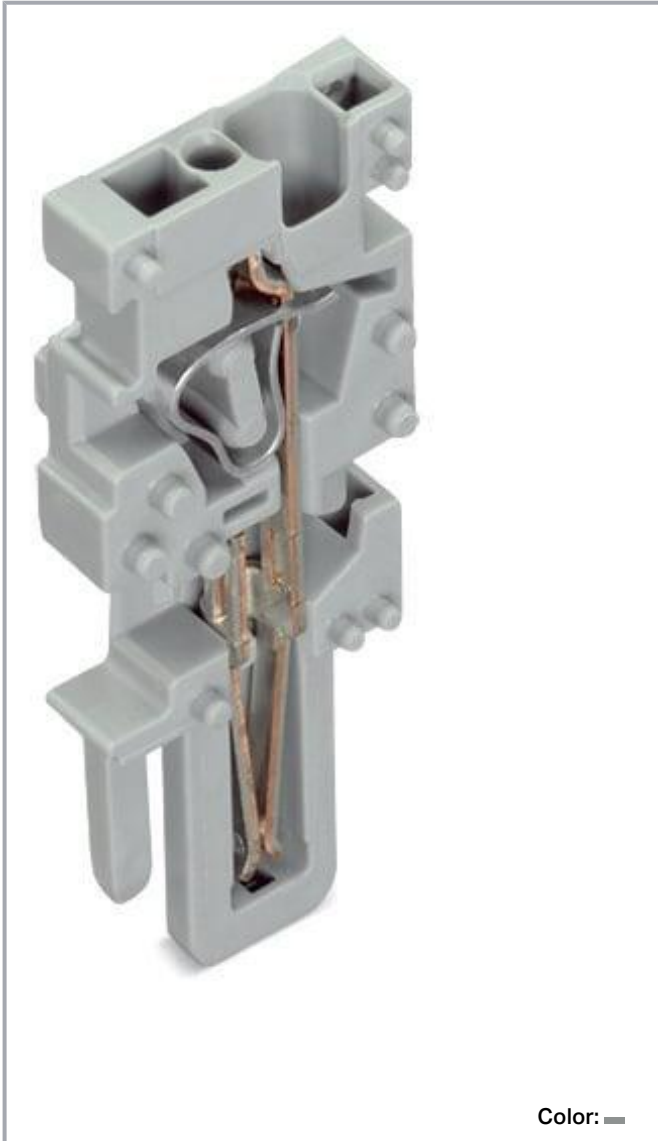


Data sheet | Item number: 769-502

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

www.wago.com/769-502



Item description

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).

Subject to changes. Please also observe the further product documentation!

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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.

Data

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 IEC/EN

Ratings per	IEC/EN 61984
Nominal voltage (III/3)	500 V
Rated impulse voltage (III/3)	6 kV
Rated current	32 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Connection data

Connection points	1
Total number of potentials	1

Connection 1

Connection technology	CAGE CLAMP®
-----------------------	-------------

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Actuation type	Operating tool
Connectable conductor materials	Copper
Nominal cross-section	4 mm ² / 12 AWG
Solid conductor	0.08 ... 4 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 4 mm ² / 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)	Information on material specifications can be found here
Color	gray
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.061 MJ
Halogen-free	Yes
Weight	3.1 g

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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
ECCN	NO DATA
PU (SPU)	250 pcs
Packaging type	bag
Country of origin	DE
GTIN	4017332331425
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	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

Subject to changes. Please also observe the further product documentation!



KEMA/KEUR
DEKRA Certification B.V.

EN 60947

2190419.01



UL
Underwriters Laboratories Inc.

UL 1977

E 45171



UR
Underwriters Laboratories Inc.

UL 1059

E45172

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Optional accessories

Insulation stop

Insulation stop



Item no.: 769-470
Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white

www.wago.com/769-470

Item no.: 769-471
Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray

www.wago.com/769-471

Item no.: 769-472
Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray

www.wago.com/769-472

Cover

Cover



Item no.: 769-436
Jumper cover; for 1-conductor female plugs; for 5 poles; gray

www.wago.com/769-436

Locking levers

Subject to changes. Please also observe the further product documentation!

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Locking system

**Item no.: 769-428**

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

www.wago.com/769-428**Item no.: 769-430**

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

www.wago.com/769-430**Item no.: 769-429**

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

www.wago.com/769-429**Item no.: 769-431**

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

www.wago.com/769-431

Ferrule

Ferrule

**Item no.: 216-101**

Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored

www.wago.com/216-101**Item no.: 216-104**

Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored

www.wago.com/216-104**Item no.: 216-102**

Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored

www.wago.com/216-102**Item no.: 216-103**

Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated

www.wago.com/216-103**Item no.: 216-203**

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red

www.wago.com/216-203**Item no.: 216-206**

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; blue

www.wago.com/216-206**Item no.: 216-202**

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

www.wago.com/216-202**Item no.: 216-204**

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black

www.wago.com/216-204**Item no.: 216-201**

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white

www.wago.com/216-201**Item no.: 216-301**

Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow

www.wago.com/216-301**Item no.: 216-302**

Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise

www.wago.com/216-302

Marking accessories

Marking strip

Subject to changes. Please also observe the further product documentation!

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**Item no.: 210-831**

Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white

www.wago.com/210-831**Item no.: 210-832**

Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white

www.wago.com/210-832**Label****Item no.: 210-805**

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

www.wago.com/210-805**Item no.: 210-805/000-002**

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

www.wago.com/210-805/000-002**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

www.wago.com/2009-145**Item no.: 248-501**

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

www.wago.com/248-501**Jumpers****Jumper****Item no.: 769-402**

Jumper; insulated; gray

www.wago.com/769-402**Tool****Operating tool****Item no.: 210-490**

Operating tool

www.wago.com/210-490**Item no.: 769-434**

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

www.wago.com/769-434**Testing and measuring****Testing accessories****Item no.: 210-136**

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

www.wago.com/210-136**Protective warning marker****Cover****Item no.: 280-415**

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

www.wago.com/280-415**Strain relief**

Subject to changes. Please also observe the further product documentation!

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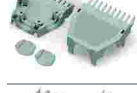
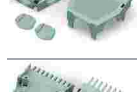
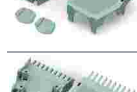
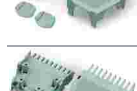
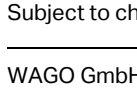
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Strain relief

	Item no.: 769-1604 Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 4-pole; gray	www.wago.com/769-1604
	Item no.: 769-1602 Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 2-pole; gray	www.wago.com/769-1602
	Item no.: 769-1607 Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 7-pole; gray	www.wago.com/769-1607
	Item no.: 769-1609 Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 9-pole; gray	www.wago.com/769-1609
	Item no.: 769-1603 Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 3-pole; gray	www.wago.com/769-1603
	Item no.: 769-1610 Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 10-pole; gray	www.wago.com/769-1610
	Item no.: 769-1605 Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 5-pole; gray	www.wago.com/769-1605
	Item no.: 769-1608 Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 8-pole; gray	www.wago.com/769-1608
	Item no.: 769-1606 Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 6-pole; gray	www.wago.com/769-1606
	Item no.: 769-1611 Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 11-pole; gray	www.wago.com/769-1611
	Item no.: 769-1613 Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 13-pole; gray	www.wago.com/769-1613
	Item no.: 769-1612 Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 12-pole; gray	www.wago.com/769-1612
	Item no.: 769-1615 Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 15-pole; gray	www.wago.com/769-1615
	Item no.: 769-1614 Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 14-pole; gray	www.wago.com/769-1614
	Item no.: 769-411	

Subject to changes. Please also observe the further product documentation!

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

www.wago.com/769-411**Item no.: 769-412**

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

www.wago.com/769-412**Item no.: 769-414**

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

www.wago.com/769-414**Item no.: 769-410**

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

www.wago.com/769-410**Item no.: 769-413**

Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 6- to 9-pole; gray

www.wago.com/769-413**Downloads****Documentation****Bid Text**

769-502	2019 Feb 19	xml	Download
X81 - Datei		3.1 kB	
769-502	2017 Oct 4	doc	Download
doc - Datei		26.1 kB	

Additional Information

pdf
2.3 MB

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CAD/CAE-Data**CAD data**

2D/3D Models 769-502

URL

Download

CAE data

EPLAN Data Portal 769-502

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ZUKEN Portal 769-502

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WSCAD Universe 769-502

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Asset Administration Shell

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 769-502

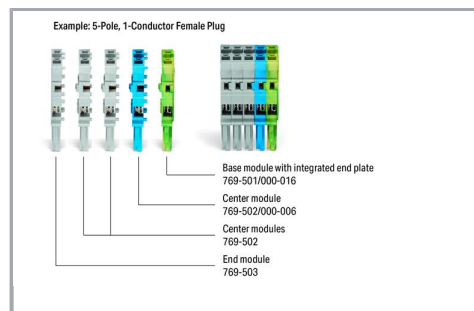
[URL](#)

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

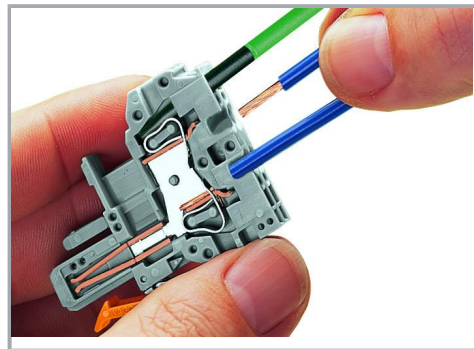
Installation Notes

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.

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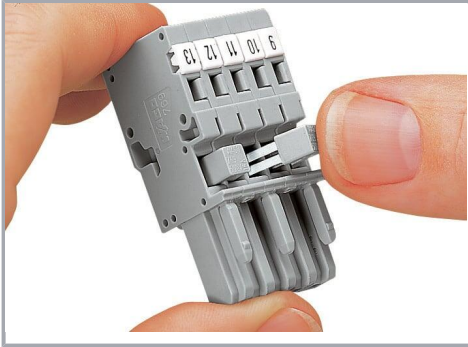
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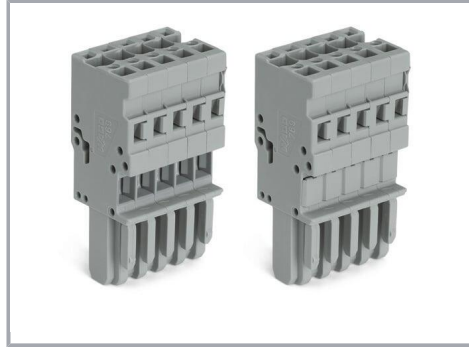
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Commoning



Commoning 1-conductor female plugs via miniature adjacent jumpers.



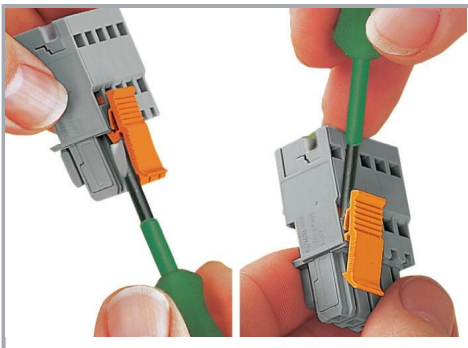
Jumper cover for 1-conductor female plugs

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.

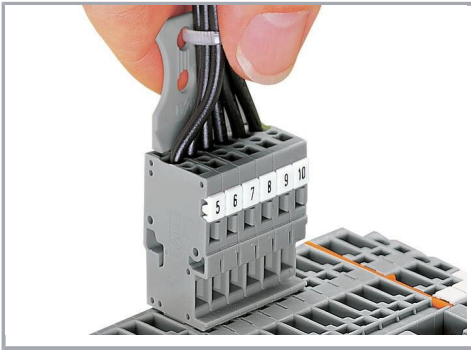
Locking system



Locking/releasing a lever.

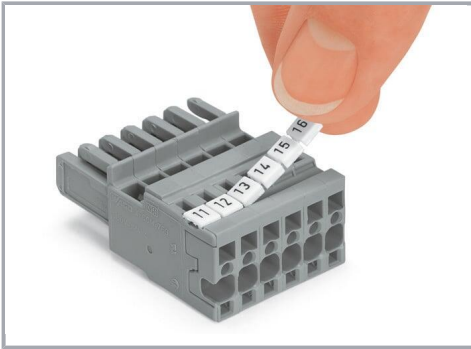
Strain relief

Subject to changes. Please also observe the further product documentation!



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.

Product family

X-COM

[Show all products from the family](#)

Subject to changes. Please also observe the further product documentation!