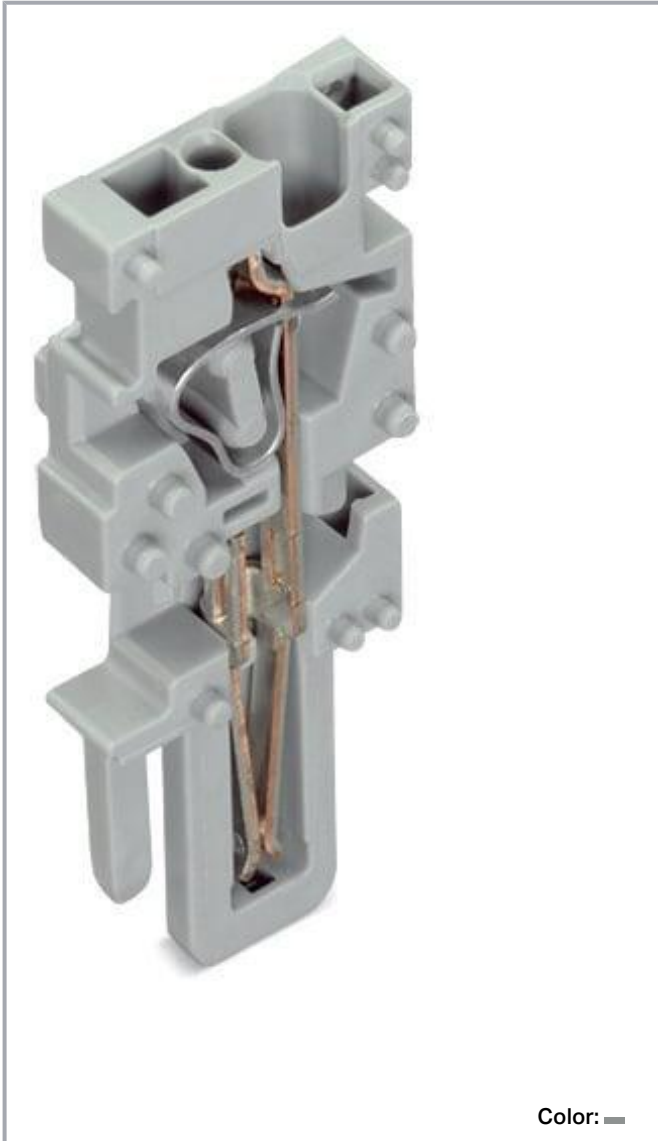


Data sheet | Item number: 769-502

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

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

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)	250 pcs
Packaging type	bag
Country of origin	DE
GTIN	4017332331425
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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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 DEKRA Certification B.V.	C22.2 No. 158	1101144
	KEMA/KEUR	EN 60947	2190419.01

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



DEKRA Certification B.V.



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

Jumpers

Jumper		
	Item no.: 769-402 Jumper; insulated; gray	www.wago.com/769-402

Insulation stop

Insulation stop		
	Item no.: 769-470 Insulation stop; 0.08 - 0.2 mm ² "s" (0.14 mm ² "f-st"); 5 pieces/strip; white	www.wago.com/769-470
	Item no.: 769-471 Insulation stop; 0.25 - 0.5 mm ² ; 5 pieces/strip; light gray	www.wago.com/769-471
	Item no.: 769-472 Insulation stop; 0.75 - 1 mm ² ; 5 pieces/strip; dark gray	www.wago.com/769-472

Testing and measuring

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

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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

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

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

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**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**

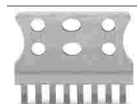
Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 14-pole; gray

www.wago.com/769-1614**Item no.: 769-411**

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**Locking levers**

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**

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

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Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-coloredwww.wago.com/216-102

	Item no.: 216-103 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated	www.wago.com/216-103
	Item no.: 216-203 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-203
	Item no.: 216-206 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; blue	www.wago.com/216-206
	Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray	www.wago.com/216-202
	Item no.: 216-204 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black	www.wago.com/216-204
	Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-201
	Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-301
	Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; light turquoise	www.wago.com/216-302

Cover

Cover



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

www.wago.com/769-436**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**Marking accessories**

Marking strip



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

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

**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**Downloads****Documentation****Bid Text**

769-502	19 Feb 2019	xml	Download
X81 - Datei		3.1 kB	

769-502	4 Oct 2017	doc	Download
doc - Datei		26.1 kB	

Additional Information

pdf
2.2 MB

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CAD/CAE-Data**CAD data**

2D/3D Models 769-502	URL	Download
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CAE data

EPLAN Data Portal 769-502	URL	Download
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ZUKEN Portal 769-502	URL	Download
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WSCAD Universe 769-502	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 769-502

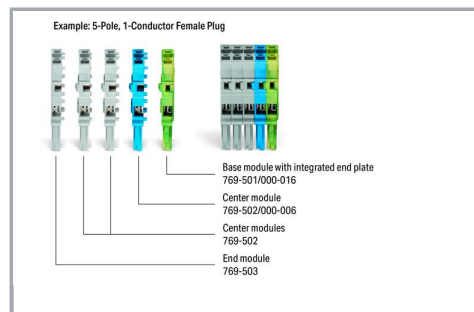
URL

Download

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

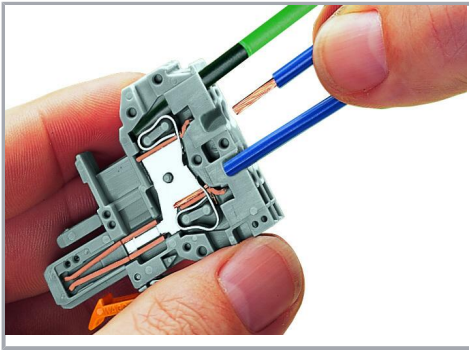
Installation



Female plugs for self-assembly

Conductor termination

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



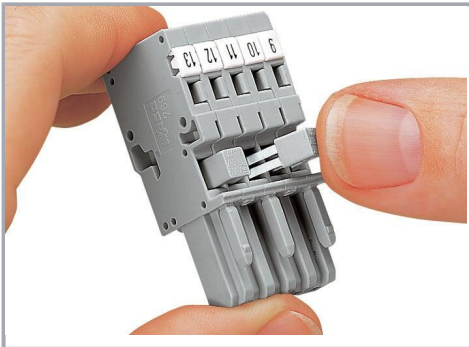
CAGE CLAMP® connection

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

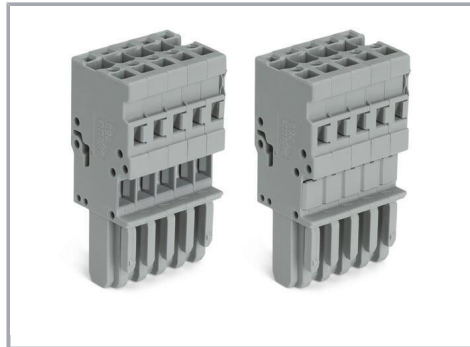
Operation 90° to conductor is also possible.

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

Commoning



Commoning 1-conductor female plugs via miniature adjacent jumpers.



Jumper cover for 1-conductor female plugs

Coding

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

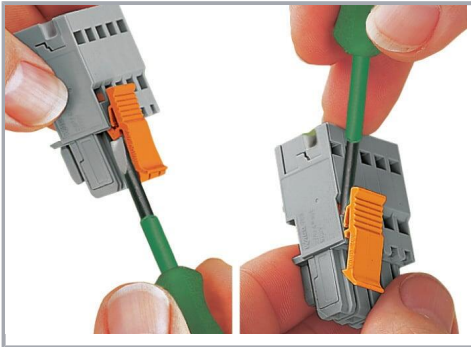
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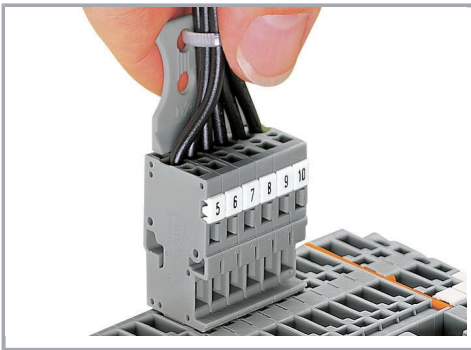
Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.

Locking system



Locking/releasing a lever.

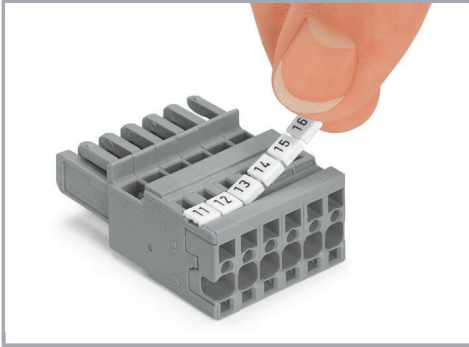
Strain relief



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

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

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!

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