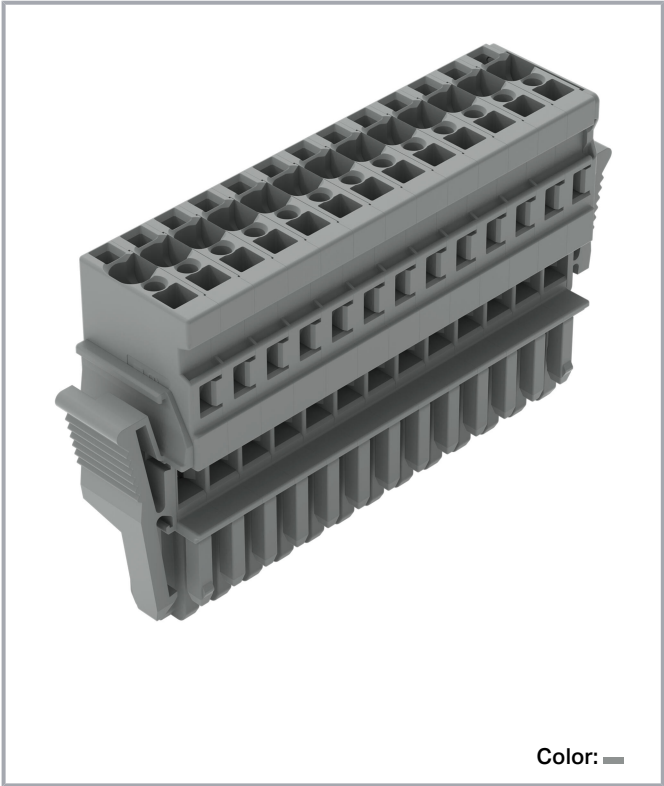


Data sheet | Item number: 769-113/021-000
1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm;
13-pole; coding finger; Lateral locking levers; 4,00 mm²; gray
www.wago.com/769-113/021-000



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

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

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Legend (ratings)

(III / 3) $\hat{=}$ Overvoltage category III / Pollution degree 3

Connection data

Connection points	13
Total number of potentials	13

Connection 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	13
Wiring direction	Front-entry wiring

Physical data

Width	80 mm / 3.173 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
Locking lever	Yes

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



Material data

Note (material data)

Information on material specifications can be found here

Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.88 MJ
Halogen-free	Yes
Weight	42.7 g

Environmental requirements

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

Commercial data

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)	10 pcs
Packaging type	box
Country of origin	DE
GTIN	4044918482486
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

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CCA

	CCA DEKRA Certification B.V.	EN 61984	2190419.02
	CCA DEKRA Certification B.V.	IEC 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 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	-	-

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	EN 60947	20- HG1941090-

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**DNV GL**

Det Norske Veritas, Germanischer Lloyd

TAE00001V2

Counterpart

**Item no.769-613/004-000**1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; Feedthrough flange; 4,00 mm²; gray www.wago.com/769-613/004-000**Item no.769-613/001-000**1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; DIN-35 rail/panel mounting; Snap-in mounting feet; 4,00 mm²; gray www.wago.com/769-613/001-000**Item no.769-613/002-000**1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; clamping collar; 4,00 mm²; gray www.wago.com/769-613/002-000**Item no.769-613**1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; 4,00 mm²; gray www.wago.com/769-613**Item no.769-613/005-000**1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; Snap-in flange; 4,00 mm²; gray www.wago.com/769-613/005-000**Item no.769-613/006-000**1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; Snap-in flange; 4,00 mm²; gray www.wago.com/769-613/006-000**Item no.769-643**THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 13-pole; gray www.wago.com/769-643**Item no.769-643/003-000**THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 13-pole; gray www.wago.com/769-643/003-000

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**Item no.769-643/004-000**

THT male header; 1.0 x 1.0 mm solder pin; straight; Feedthrough flange; Pin spacing 5 mm; 13-pole; gray

www.wago.com/769-643/004-000**Item no.769-643/007-000**

THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 13-pole; gray

www.wago.com/769-643/007-000**Item no.769-673**

THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 13-pole; gray

www.wago.com/769-673**Item no.769-673/003-000**

THT male header; 1.0 x 1.0 mm solder pin; angled; clamping collar; Pin spacing 5 mm; 13-pole; gray

www.wago.com/769-673/003-000**Item no.769-673/004-000**

THT male header; 1.0 x 1.0 mm solder pin; angled; Feedthrough flange; Pin spacing 5 mm; 13-pole; gray

www.wago.com/769-673/004-000

Optional accessories

Ferrule

Ferrule		
	Item no.: 216-101 Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated; silver-colored	www.wago.com/216-101
	Item no.: 216-104 Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated; silver-colored	www.wago.com/216-104
	Item no.: 216-102 Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated; silver-colored	www.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	

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

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; whitewww.wago.com/216-201**Item no.: 216-301**Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellowwww.wago.com/216-301**Item no.: 216-302**Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoisewww.wago.com/216-302**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.: 210-834**

Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

www.wago.com/210-834**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**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**Locking levers**

Locking system

**Item no.: 769-430**

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

www.wago.com/769-430

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

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**Item no.: 769-431**

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

www.wago.com/769-431**Insulation stop**

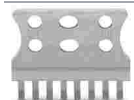
Insulation stop

**Item no.: 769-470**Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; whitewww.wago.com/769-470**Item no.: 769-471**Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light graywww.wago.com/769-471**Item no.: 769-472**Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark graywww.wago.com/769-472**Strain relief**

Strain relief

**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.: 769-414**

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

www.wago.com/769-414**Testing and measuring**

Testing accessories

**Item no.: 210-136**

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

www.wago.com/210-136**Jumpers**

Jumper

**Item no.: 769-402**

Jumper; insulated; gray

www.wago.com/769-402**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

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Item no.: 769-434
Operating tool; made of insulating material; 1-way; loose; white

Downloads
Documentation
Bid Text

769-113/021-000 X81 - Datei	2019 Feb 19	xml 3.3 kB	Download
769-113/021-000 doc - Datei	2017 Oct 4	doc 25.6 kB	Download
Additional Information		pdf 2.3 MB	Download

CAD/CAE-Data
CAD data

2D/3D Models 769-113/021-000	URL	Download
CAE data		
EPLAN Data Portal 769-113/021-000	URL	Download
WSCAD Universe 769-113/021-000	URL	Download
ZUKEN Portal 769-113/021-000	URL	Download
EPLAN Data Portal 769-113/021-000	URL	Download
WSCAD Universe 769-113/021-000	URL	Download
Asset Administration Shell		
Asset Administration Shell 769-113/021-000	URL	Download

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

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 769-113/021-000

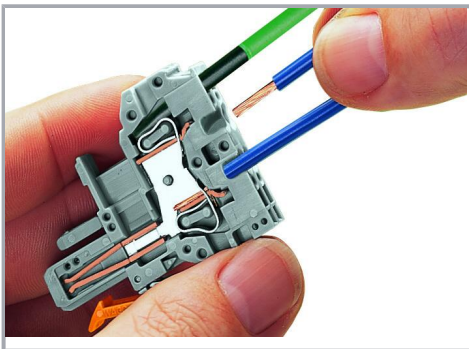
URL

Download

1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole;
coding finger; Lateral locking levers; 4,00 mm²; gray

Installation Notes

Conductor termination



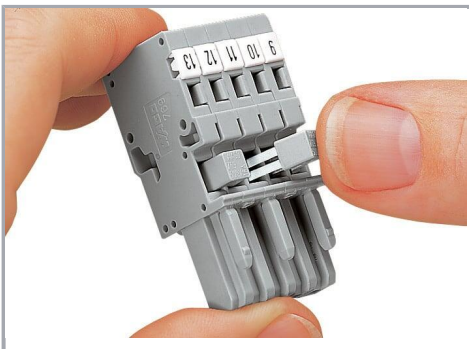
CAGE CLAMP® connection

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

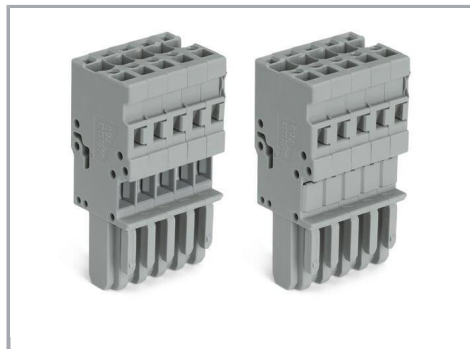
Operation 90° to conductor is also possible.

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

Commoning



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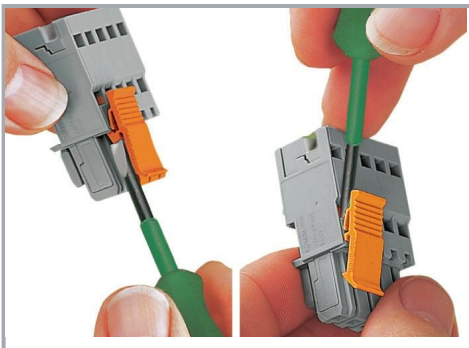
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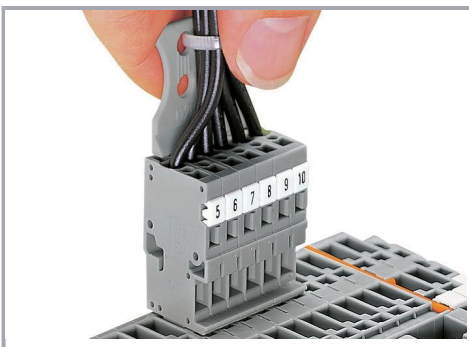
Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.

Locking system



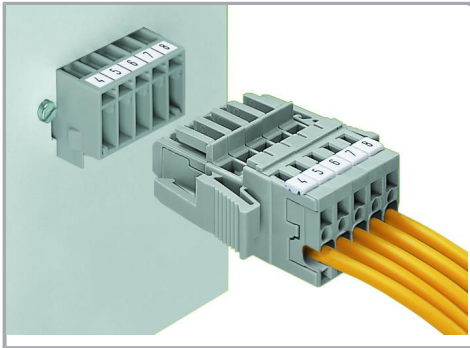
Locking/releasing a lever.

Strain relief

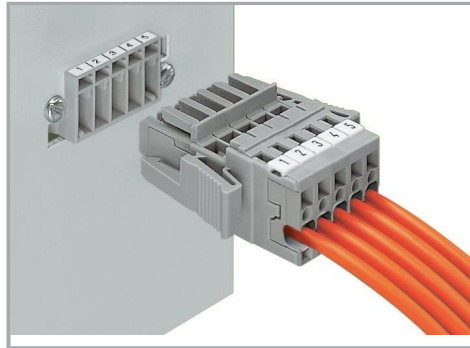


Removing a female plug via conductor bundle provided with strain relief plate.

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

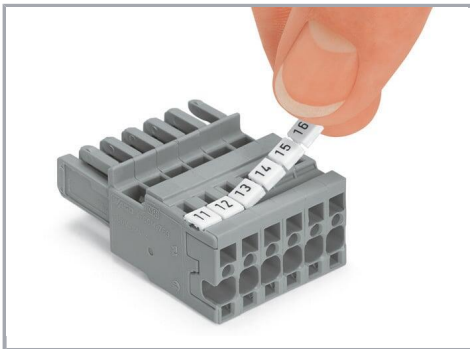


Male header with mounting flanges
1-conductor female plug with lateral locking
levers



Male header and 1-conductor female plug with
lateral locking levers

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!