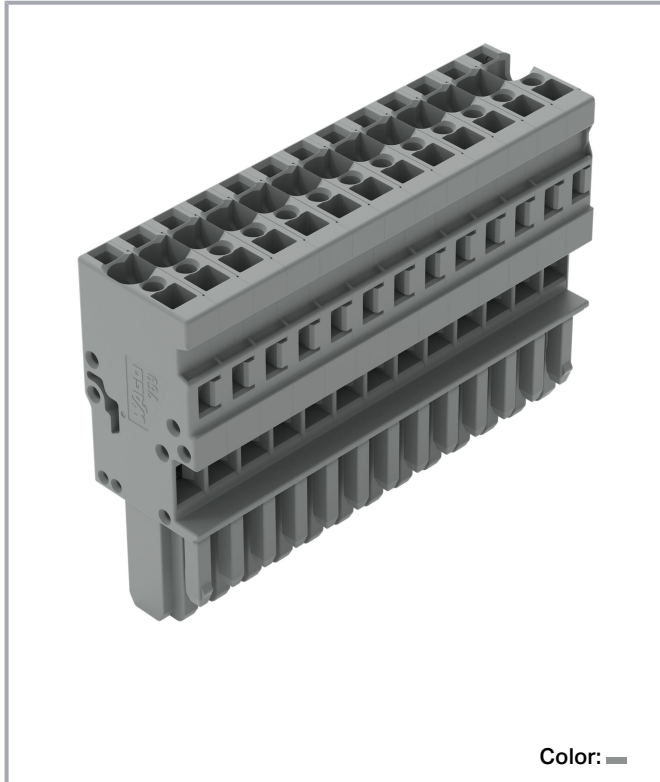


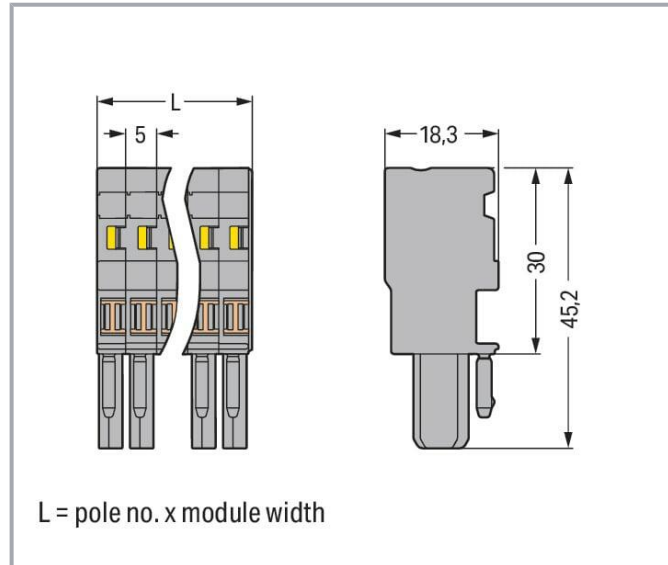
Data sheet | Item number: 769-113

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

www.wago.com/769-113



Color: ■



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 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	13
Wiring direction	Front-entry wiring

Physical data

Width	65 mm / 2.559 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

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	0.812 MJ
Halogen-free	Yes
Weight	40.9 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	4044918472142
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	EN 61984	2190419.02




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

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DEKRA Certification B.V.



	CCA DEKRA Certification B.V.	EN 60947	NTR NL-7626
	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-

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

**DNV GL**

Det Norske Veritas, Germanischer Lloyd

TAE00001V2

Counterpart

**Item no.769-613**1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; 4,00 mm²; graywww.wago.com/769-613**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; graywww.wago.com/769-613/002-000**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; graywww.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; graywww.wago.com/769-613/001-000**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; graywww.wago.com/769-613/005-000**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**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.769-613/006-000**1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; Snap-in flange; 4,00 mm²; graywww.wago.com/769-613/006-000**Item no.769-643**www.wago.com/769-643

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	THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 13-pole; gray	643
	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.769-673/004-000 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
	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

Optional accessories


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



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

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

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

	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
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 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

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

Item no.: 216-302

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

www.wago.com/216-302

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

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

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



Item no.: 769-431

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

www.wago.com/769-431

Testing and measuring

Testing accessories



Item no.: 210-136

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

www.wago.com/210-136

Strain relief

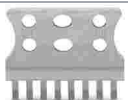
Strain relief



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

Downloads

Documentation

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

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Bid Text

769-113 X81 - Datei	2019 Feb 19	xml 3.3 kB	Download
769-113 doc - Datei	2017 Oct 4	doc 25.6 kB	Download

Additional Information

		pdf 2.3 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 769-113		URL	Download
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CAE data

EPLAN Data Portal 769-113		URL	Download
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WSCAD Universe 769-113		URL	Download
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ZUKEN Portal 769-113		URL	Download
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Asset Administration Shell

Asset Administration Shell 769-113		URL	Download
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Environmental Product Compliance

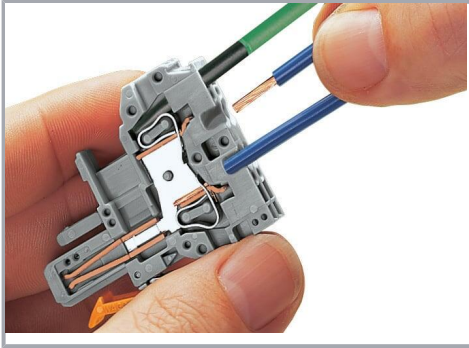
Compliance Search

Environmental Product Compliance 769-113 1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; coding finger; 4,00 mm²; gray		URL	Download
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Installation Notes

Conductor termination

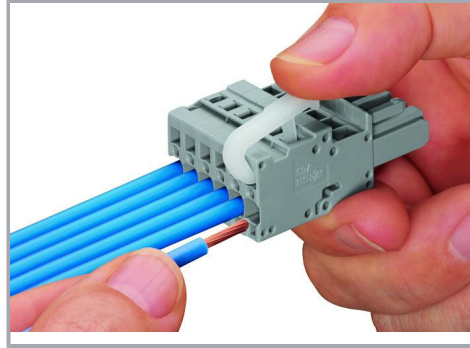
Subject to changes. Please also observe the further product documentation!



CAGE CLAMP® connection

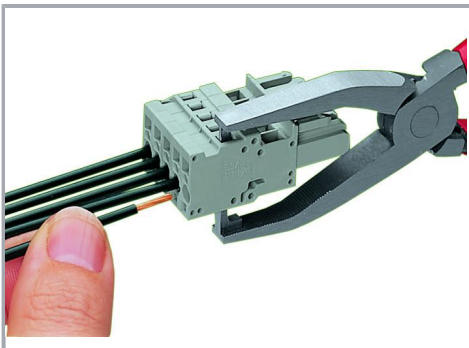
Female plug: Inserting/removing a conductor via operating tool.

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.



Operating lever

Inserting a conductor – side-entry wiring (example shows a female plug).



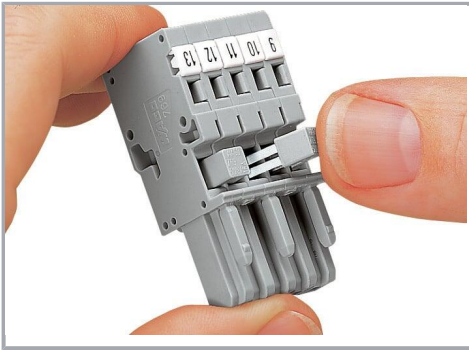
Operating tool

Inserting a conductor – side-entry wiring (example shows a female plug).

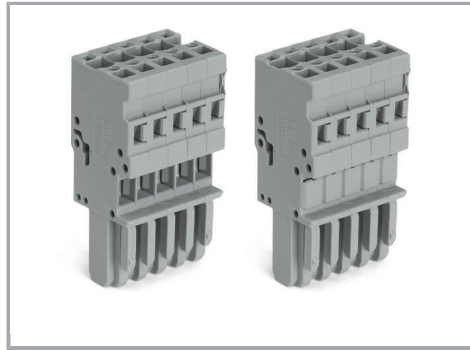
With ferruled conductors, it is necessary to use a terminal block one size smaller than the conductor's nominal cross-section.

Commoning

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



Commoning 1-conductor female plugs via miniature adjacent jumpers.



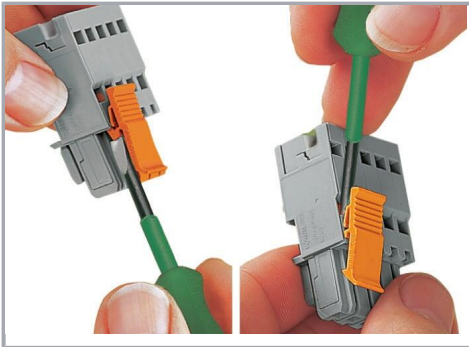
Jumper cover for 1-conductor female plugs

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.

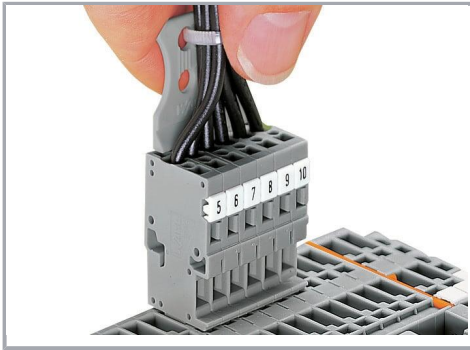
Locking system



Locking/releasing a lever.

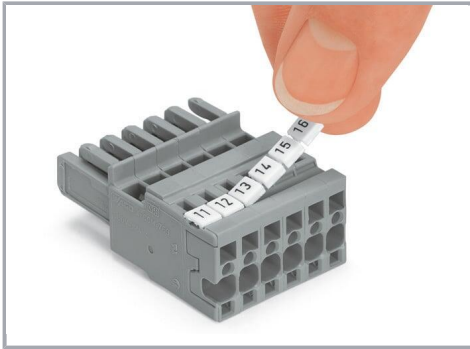
Strain relief

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!