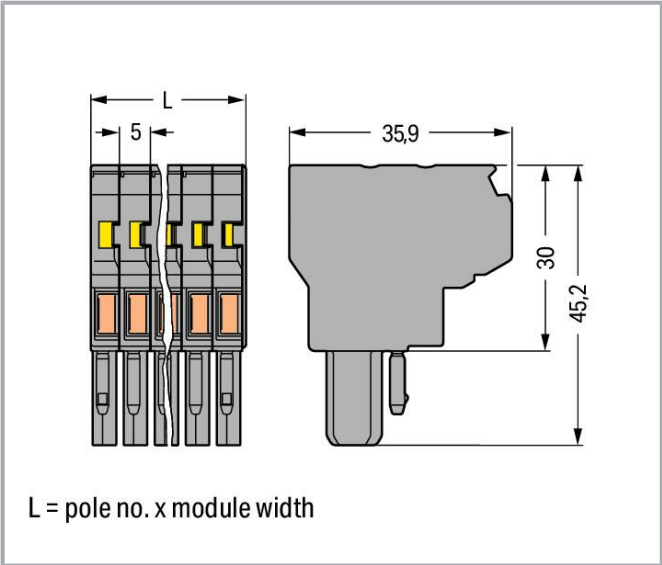
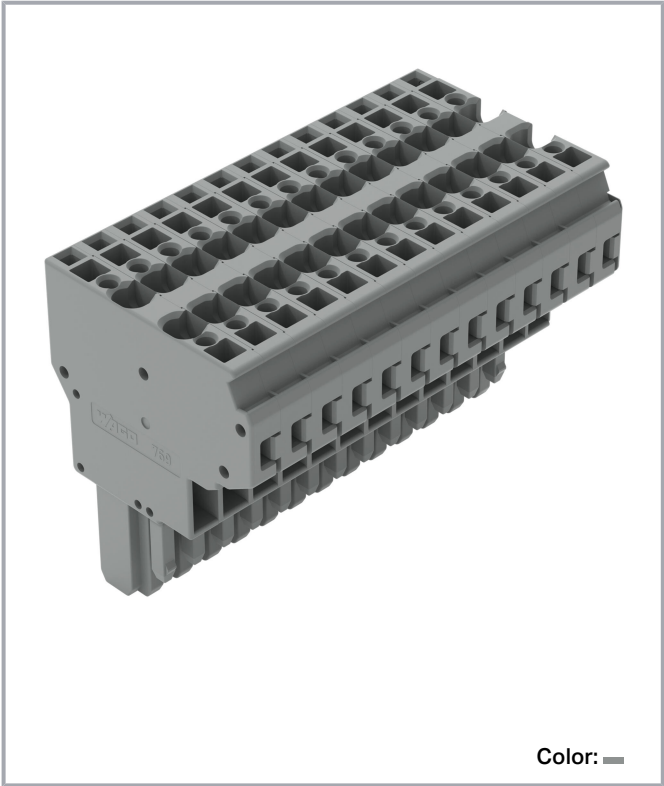


Data sheet | Item number: 769-133
2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm;
13-pole; coding finger; 4,00 mm²; gray

www.wago.com/769-133



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	26
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	65 mm / 2.559 inches
Height	45.2 mm / 1.78 inches
Depth	35.9 mm / 1.413 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	1.239 MJ
Halogen-free	Yes
Weight	67.5 g

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)	5 pcs
Packaging type	box
Country of origin	PL
GTIN	4044918474375
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

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DEKRA Certification B.V.



	CCA DEKRA Certification B.V.	IEC 61984	NL-47799 /A1
CCA	CCA DEKRA Certification B.V.	EN 60947	NTR NL- 7626
CSA	CSA CSA Group	C22.2	1101144
KEMA/KEUR	KEMA/KEUR DEKRA Certification B.V.	EN 60947	2190419.01
UL	UL Underwriters Laboratories Inc.	UL 1977	E 45171
UR	UR Underwriters Laboratories Inc.	UL 1059	E45172

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
CE	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK CA	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**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.769-613/004-000**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.769-613/002-000**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.769-613/001-000**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.769-613/005-000**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.769-643**

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
**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

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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

Testing and measuring

Testing accessories

**Item no.: 210-136**

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

www.wago.com/210-136

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

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

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	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

Marking accessories

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

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

Jumpers

Jumper		
	Item no.: 280-402 Jumper; insulated; gray	www.wago.com/280-402
	Item no.: 780-454 Staggered jumper; from 1 to 4; insulated; gray	www.wago.com/780-454
	Item no.: 780-452 Staggered jumper; from 1 to 2; insulated; gray	www.wago.com/780-452
	Item no.: 780-453 Staggered jumper; from 1 to 3; insulated; gray	www.wago.com/780-453
	Item no.: 780-457	

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

	Staggered jumper; from 1 to 7; insulated; gray	www.wago.com/780-457
	Item no.: 780-456 Staggered jumper; from 1 to 6; insulated; gray	www.wago.com/780-456
	Item no.: 780-455 Staggered jumper; from 1 to 5; insulated; gray	www.wago.com/780-455
	Item no.: 780-458 Staggered jumper; from 1 to 8; insulated; gray	www.wago.com/780-458

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
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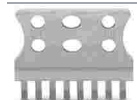
Locking levers

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

Strain relief

Strain relief

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

769-133 X81 - Datei	2019 Feb 19	xml 3.3 kB	Download
769-133 doc - Datei	2017 Oct 4	doc 26.6 kB	Download

Additional Information

pdf
2.3 MB

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CAD/CAE-Data

CAE data

EPLAN Data Portal 769-133	URL	Download
WSCAD Universe 769-133	URL	Download
ZUKEN Portal 769-133	URL	Download

CAD data

2D/3D Models 769-133	URL	Download
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Asset Administration Shell

Asset Administration Shell 769-133	URL	Download
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Environmental Product Compliance

Compliance Search

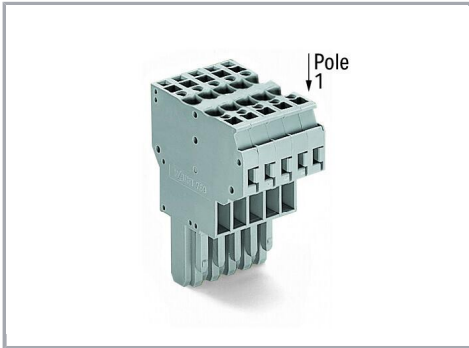
Environmental Product Compliance 769-133	URL	Download
2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; coding finger; 4,00 mm²; gray		

Installation Notes

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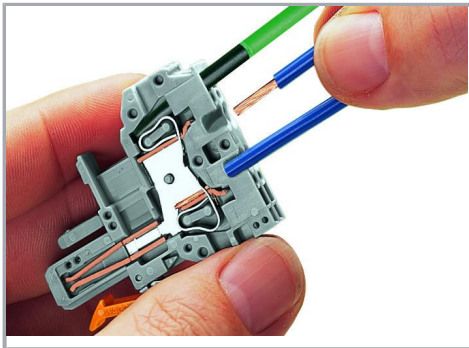
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2-conductor female plugs

- Common signals from one subassembly to the other (bus structure)
- Can be used as a T-wire branch tap connection (e.g. for lighting wiring)
- Enable a higher number of connection possibilities

Conductor termination



CAGE CLAMP® connection

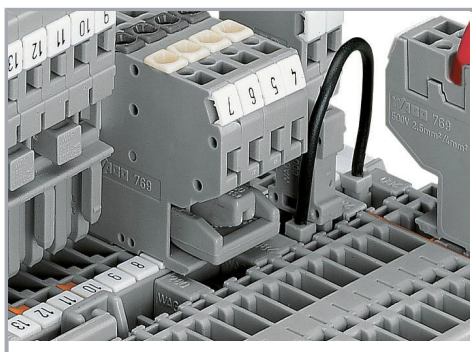
Female plug: Inserting/removing a conductor via operating tool.

Operation 90° to conductor is also possible.

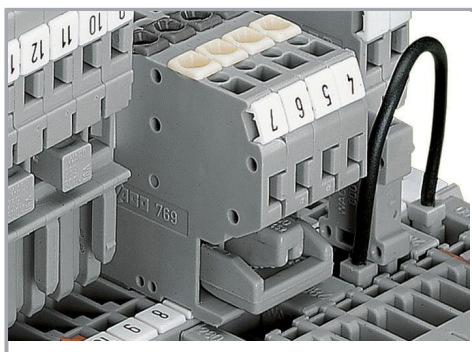
With ferruled conductors, it is necessary to use a terminal block one size smaller than the conductor's nominal cross-section.

Commoning

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



Commoning a 2-conductor female plug via staggered jumper and carrier terminal blocks via adjacent jumpers.



Commoning options of female plugs:

- After removal, commoned potentials still remain commoned
- Use of plug-in jumpers instead of additional wired jumpers
- Can be used as a "hardware" key for safety lockout
- Can also be used as a commoning jumper for sensor circuits or machine programming

Coding



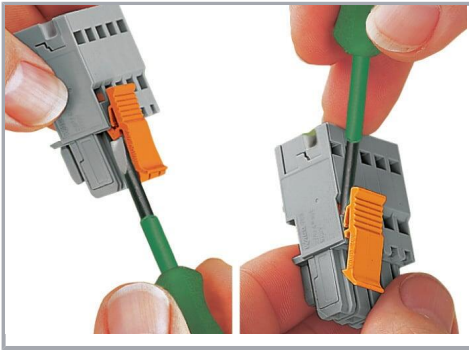
Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.

Locking system

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

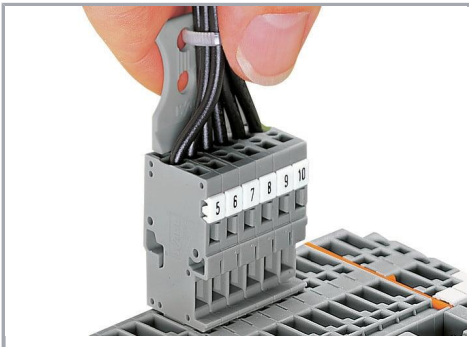
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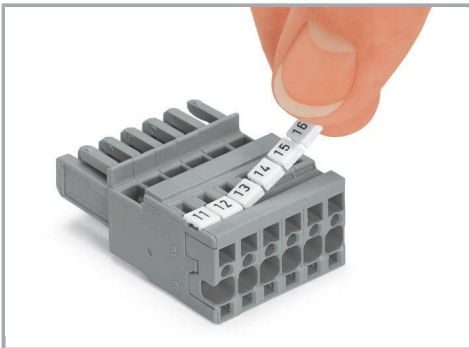
Locking/releasing a lever.

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.

Product family

X-COM

[Show all products from the family](#)

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