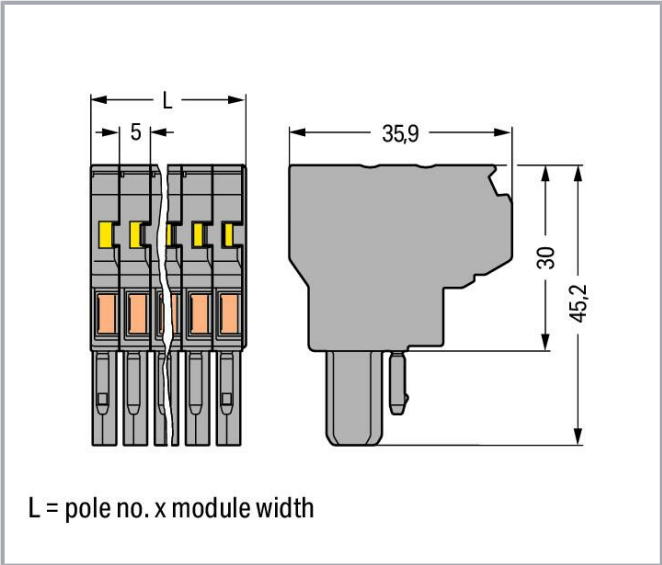
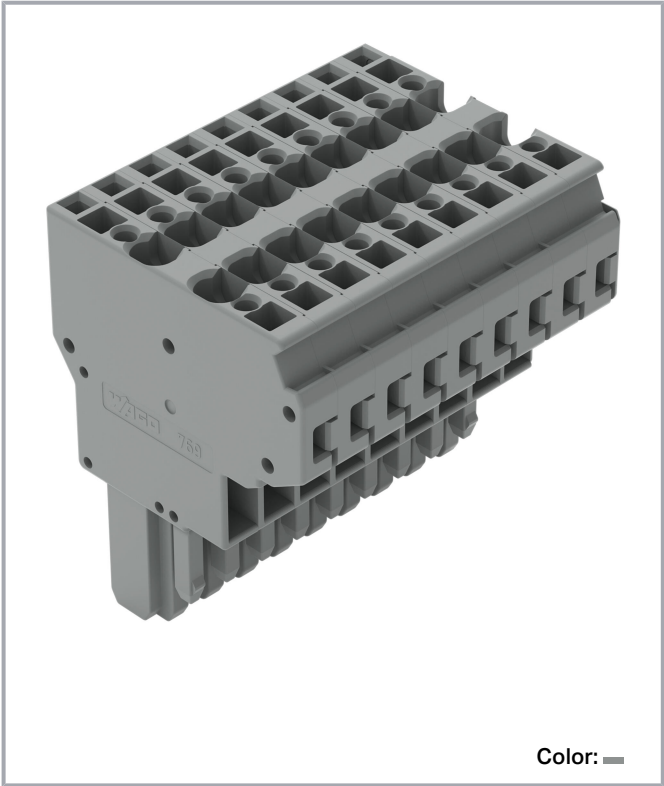


Data sheet | Item number: 769-129

2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 9-pole; coding finger; 4,00 mm²; gray

www.wago.com/769-129



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	18
Total number of potentials	9

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	9
Wiring direction	Front-entry wiring

Physical data

Width	45 mm / 1.772 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	0.859 MJ
Halogen-free	Yes
Weight	46.8 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)	10 pcs
Packaging type	box
Country of origin	PL
GTIN	4044918474221
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	CCA DEKRA Certification B.V.	EN 60947	NTR NL- 7626
	CCA DEKRA Certification B.V.	IEC 61984	NL-47799 /A1
CSA	CSA CSA Group	C22.2	1101144
	KEMA/KEUR DEKRA Certification B.V.	EN 60947	2190419.01
UL	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
CE	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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Counterpart

**Item no.769-609**

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 9-pole; 4,00 mm²; gray

www.wago.com/769-609**Item no.769-609/001-000**

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 9-pole; DIN-35 rail/panel mounting; Snap-in mounting feet; 4,00 mm²; gray

www.wago.com/769-609/001-000**Item no.769-609/002-000**

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 9-pole; clamping collar; 4,00 mm²; gray

www.wago.com/769-609/002-000**Item no.769-609/006-000**

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 9-pole; Snap-in flange; 4,00 mm²; gray

www.wago.com/769-609/006-000**Item no.769-609/005-000**

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 9-pole; Snap-in flange; 4,00 mm²; gray

www.wago.com/769-609/005-000**Item no.769-639**

THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 9-pole; gray

www.wago.com/769-639**Item no.769-639/003-000**

THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 9-pole; gray

www.wago.com/769-639/003-000**Item no.769-639/004-000**

THT male header; 1.0 x 1.0 mm solder pin; straight; Feedthrough flange; Pin spacing 5 mm; 9-pole; gray

www.wago.com/769-639/004-000**Item no.769-639/007-000**

THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 9-pole; gray

www.wago.com/769-639/007-000**Item no.769-669/004-000**

THT male header; 1.0 x 1.0 mm solder pin; angled; Feedthrough flange; Pin spacing 5 mm; 9-pole; gray

www.wago.com/769-669/004-000

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

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**Item no. 769-669/003-000**

THT male header; 1.0 x 1.0 mm solder pin; angled; clamping collar; Pin spacing 5 mm; 9-pole; gray

www.wago.com/769-669/003-000**Item no. 769-669**

THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 9-pole; gray

www.wago.com/769-669

Optional accessories

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

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**

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

Strain relief

Strain relief

**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

Testing and measuring

Testing accessories

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

**Item no.: 210-136**

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

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

Ferrule

**Item no.: 216-101**Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-coloredwww.wago.com/216-101**Item no.: 216-104**Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-coloredwww.wago.com/216-104**Item no.: 216-102**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 mm² / AWG 18; uninsulated; electro-tin platedwww.wago.com/216-103**Item no.: 216-203**Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; redwww.wago.com/216-203**Item no.: 216-206**Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; bluewww.wago.com/216-206**Item no.: 216-202**Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; graywww.wago.com/216-202**Item no.: 216-204**Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; blackwww.wago.com/216-204**Item no.: 216-201**Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; whitewww.wago.com/216-201

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

769-129 X81 - Datei	2019 Feb 19	xml 3.3 kB	Download
769-129 doc - Datei	2017 Oct 4	doc 26.1 kB	Download

Additional Information

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2.3 MB

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CAD/CAE-Data**CAE data**

EPLAN Data Portal 769-129	URL	Download
WSCAD Universe 769-129	URL	Download
ZUKEN Portal 769-129	URL	Download

CAD data

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2D/3D Models 769-129

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Asset Administration Shell

Asset Administration Shell 769-129

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Environmental Product Compliance

Compliance Search

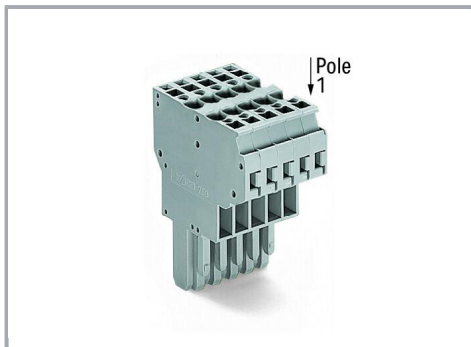
Environmental Product Compliance 769-129

[URL](#)

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2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 9-pole;
coding finger; 4,00 mm²; gray

Installation Notes



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

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

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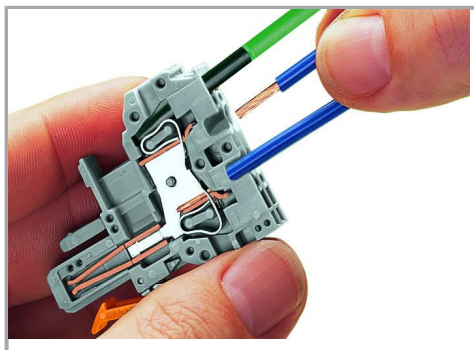
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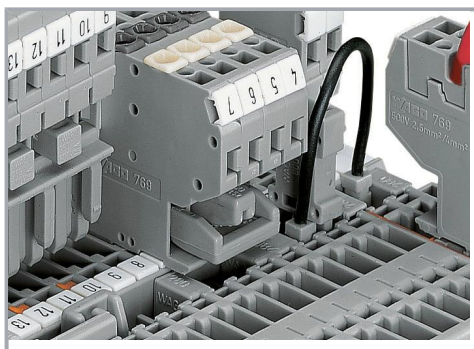


CAGE CLAMP® connection

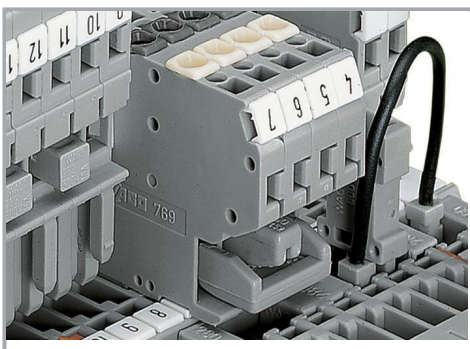
Female plug: Inserting/removing a conductor via operating tool.

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 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

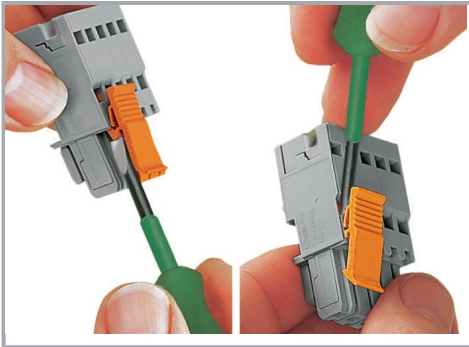
Coding

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



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.

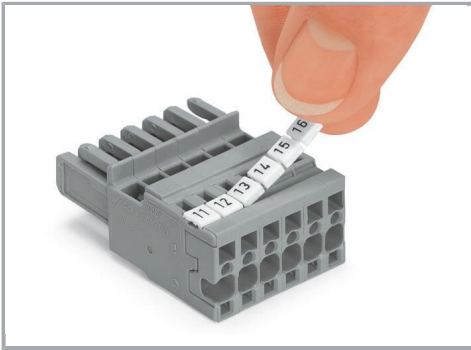
Strain relief



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

Marking

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



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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