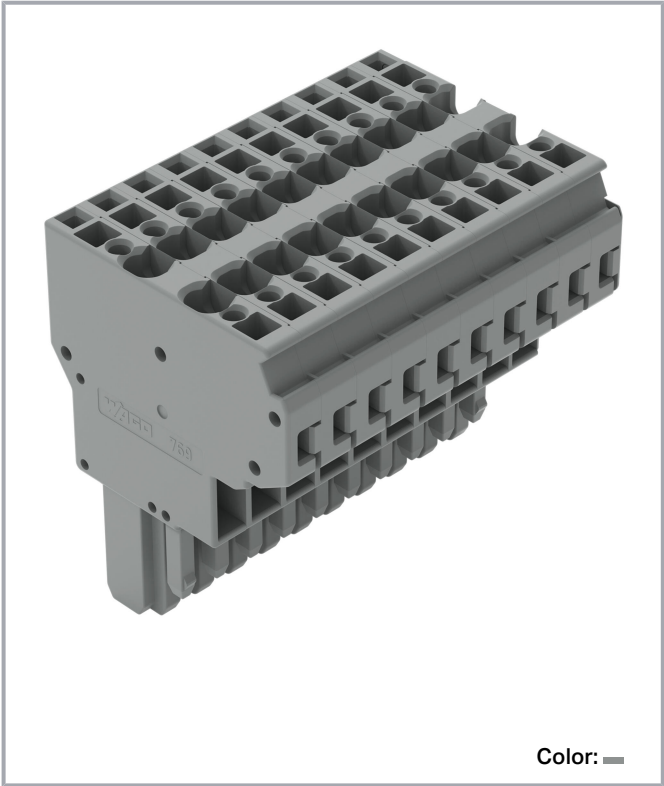
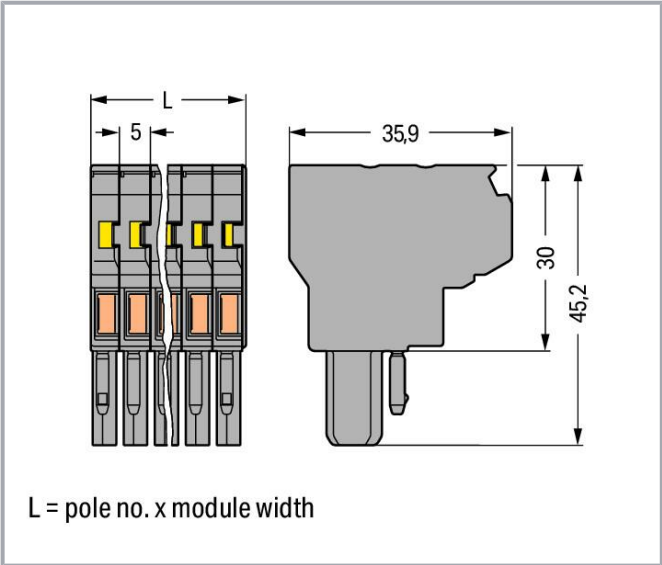


Data sheet | Item number: 769-130
2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm;
10-pole; coding finger; 4,00 mm²; gray

www.wago.com/769-130



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	20
Total number of potentials	10

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	10
Wiring direction	Front-entry wiring

Physical data

Width	50 mm / 1.969 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	0.954 MJ
Halogen-free	Yes
Weight	52 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	4044918474245
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 60947	NTR NL-

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DEKRA Certification B.V.

7626

	CCA DEKRA Certification B.V.	IEC 61984	NL-47799 /A1
	CCA DEKRA Certification B.V.	EN 61984	2190419.02
	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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Counterpart

**Item no.769-610**

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 10-pole; 4,00 mm²; gray

www.wago.com/769-610**Item no.769-610/002-000**

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 10-pole; clamping collar; 4,00 mm²; gray

www.wago.com/769-610/002-000**Item no.769-610/001-000**

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 10-pole; DIN-35 rail/panel mounting; Snap-in mounting feet; 4,00 mm²; gray

www.wago.com/769-610/001-000**Item no.769-610/004-000**

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 10-pole; Feedthrough flange; 4,00 mm²; gray

www.wago.com/769-610/004-000**Item no.769-610/005-000**

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 10-pole; Snap-in flange; 4,00 mm²; gray

www.wago.com/769-610/005-000**Item no.769-610/006-000**

1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 10-pole; Snap-in flange; 4,00 mm²; gray

www.wago.com/769-610/006-000**Item no.769-640**

THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 10-pole; gray

www.wago.com/769-640**Item no.769-640/003-000**

THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 10-pole; gray

www.wago.com/769-640/003-000**Item no.769-640/004-000**

THT male header; 1.0 x 1.0 mm solder pin; straight; Feedthrough flange; Pin spacing 5 mm; 10-pole; gray

www.wago.com/769-640/004-000

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**Item no. 769-640/007-000**

THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 10-pole; gray

www.wago.com/769-640/007-000**Item no. 769-670/003-000**

THT male header; 1.0 x 1.0 mm solder pin; angled; clamping collar; Pin spacing 5 mm; 10-pole; gray

www.wago.com/769-670/003-000**Item no. 769-670/004-000**

THT male header; 1.0 x 1.0 mm solder pin; angled; Feedthrough flange; Pin spacing 5 mm; 10-pole; gray

www.wago.com/769-670/004-000

Optional accessories

Locking levers

Locking system

**Item no.: 769-430**

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

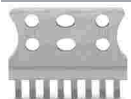
www.wago.com/769-430**Item no.: 769-431**

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

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

Testing and measuring

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

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

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**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**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**Item no.: 216-202**

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

www.wago.com/216-202**Item no.: 216-204**

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black

www.wago.com/216-204**Item no.: 216-201**

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white

www.wago.com/216-201**Item no.: 216-301**

Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow

www.wago.com/216-301**Item no.: 216-302**

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

www.wago.com/216-302**Jumpers**

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

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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

Downloads

Documentation

Bid Text

769-130 X81 - Datei	2019 Feb 19	xml 3.3 kB	Download
769-130 doc - Datei	2017 Oct 4	doc 26.1 kB	Download

Additional Information

	pdf 2.3 MB	Download
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CAD/CAE-Data

CAE data

EPLAN Data Portal 769-130	URL	Download
WSCAD Universe 769-130	URL	Download

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

ZUKEN Portal 769-130

[URL](#)

[Download](#)

CAD data

2D/3D Models 769-130

[URL](#)

[Download](#)

Asset Administration Shell

Asset Administration Shell 769-130

[URL](#)

[Download](#)

Environmental Product Compliance

Compliance Search

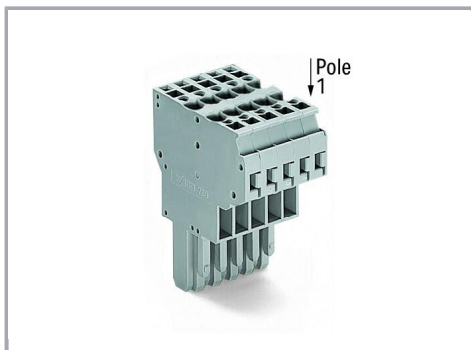
Environmental Product Compliance 769-130

[URL](#)

[Download](#)

2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 10-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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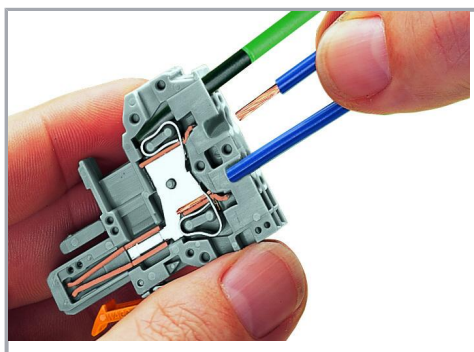
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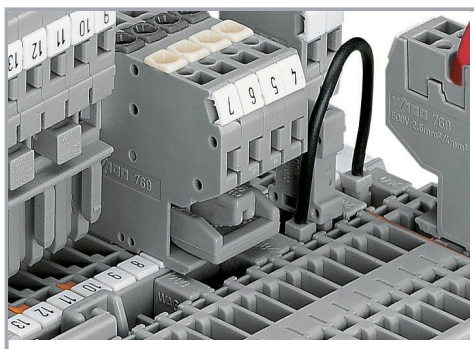


CAGE CLAMP® connection

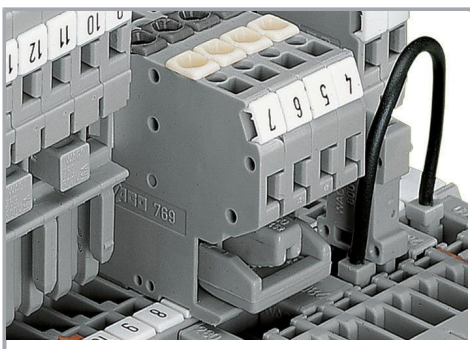
Female plug: Inserting/removing a conductor via operating tool.

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!

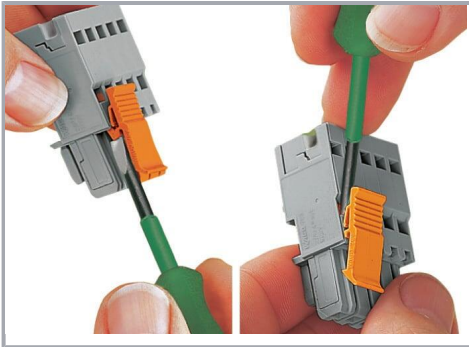
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Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.

Locking system



Locking/releasing a lever.

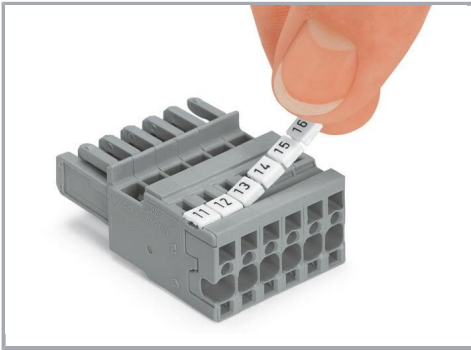
Strain relief



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

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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