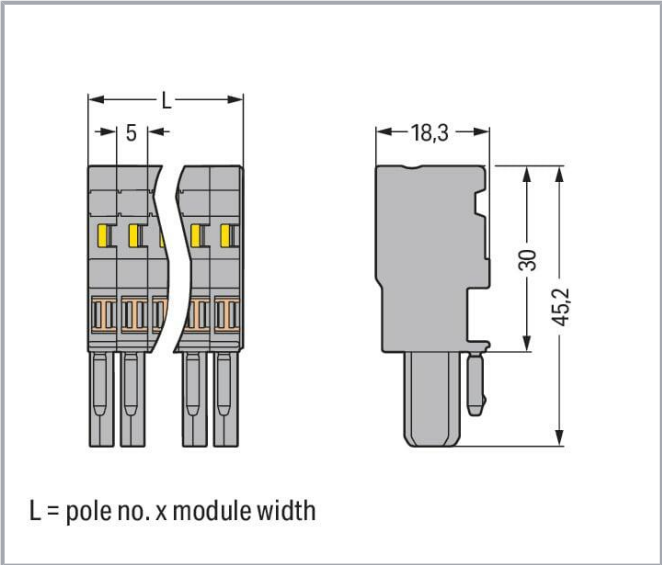
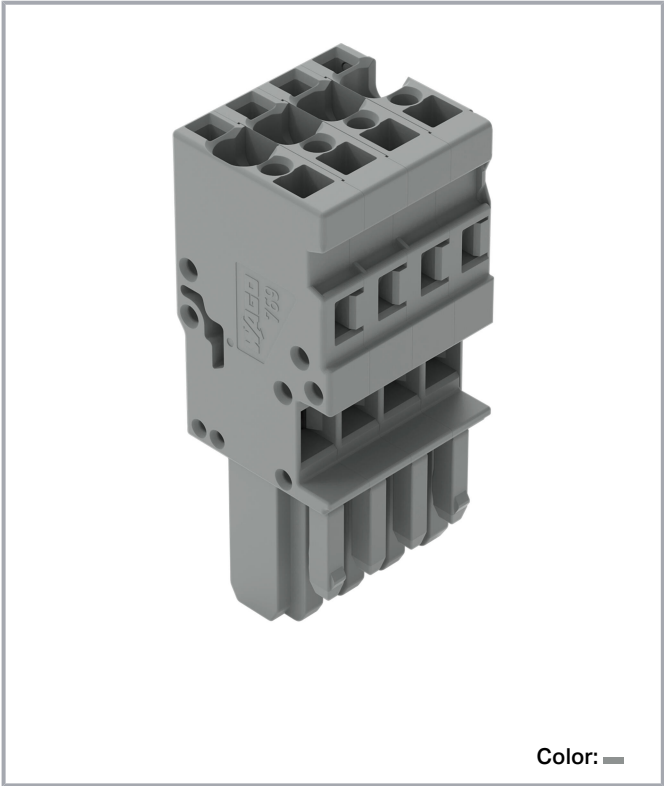


Data sheet | Item number: 769-104

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

www.wago.com/769-104



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	4
Total number of potentials	4

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	4
Wiring direction	Front-entry wiring

Physical data

Width	20 mm / 0.787 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	0.263 MJ
Halogen-free	Yes
Weight	12.5 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)	50 pcs
Packaging type	box
Country of origin	DE
GTIN	4044918471442
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	IEC 61984	NL-47799

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DEKRA Certification B.V.		/A1
	CCA DEKRA Certification B.V.	EN 60947 NTR NL-7626
	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- PDA

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

**DNV GL**

Det Norske Veritas, Germanischer Lloyd

TAE00001V2

Counterpart

**Item no.769-164/769-313**

2-pin terminal block for pluggable modules; 8-pole; with 2 jumper positions; with orange separator plate; for DIN-rail 35 x 15 and 35 x 7.5; gray

www.wago.com/769-164/769-313
**Item no.769-184/769-314**1-conductor/1-pin terminal block for pluggable modules; 8-pole; with 2 jumper positions; with orange separator plate; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; gray
www.wago.com/769-184/769-314
**Item no.769-604**1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 4-pole; 4,00 mm²; gray
www.wago.com/769-604
**Item no.769-604/001-000**1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 4-pole; DIN-35 rail/panel mounting; Snap-in mounting feet; 4,00 mm²; gray
www.wago.com/769-604/001-000
**Item no.769-604/004-000**1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 4-pole; Feedthrough flange; 4,00 mm²; gray
www.wago.com/769-604/004-000
**Item no.769-604/002-000**1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 4-pole; clamping collar; 4,00 mm²; gray
www.wago.com/769-604/002-000
**Item no.769-604/005-000**1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 4-pole; Snap-in flange; 4,00 mm²; gray
www.wago.com/769-604/005-000
**Item no.769-634/003-000**

THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 4-pole; gray

www.wago.com/769-634/003-000

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

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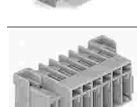
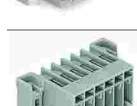
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	Item no.769-634/000-036 THT male header; 1.0 x 1.0 mm solder pin; straight; Preceding ground contact; Pin spacing 5 mm; 4-pole; green-yellow, gray	www.wago.com /769-634/000-036
	Item no.769-604/006-000 1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 4-pole; Snap-in flange; 4,00 mm²; gray	www.wago.com /769-604/006-000
	Item no.769-634 THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 4-pole; gray	www.wago.com /769-634
	Item no.769-634/003-036 THT male header; 1.0 x 1.0 mm solder pin; straight; Preceding ground contact; clamping collar; Pin spacing 5 mm; 4-pole; green-yellow, gray	www.wago.com /769-634/003-036
	Item no.769-634/007-000 THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 4-pole; gray	www.wago.com /769-634/007-000
	Item no.769-634/004-000 THT male header; 1.0 x 1.0 mm solder pin; straight; Feedthrough flange; Pin spacing 5 mm; 4-pole; gray	www.wago.com /769-634/004-000
	Item no.769-664 THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 4-pole; gray	www.wago.com /769-664
	Item no.769-664/004-000 THT male header; 1.0 x 1.0 mm solder pin; angled; Feedthrough flange; Pin spacing 5 mm; 4-pole; gray	www.wago.com /769-664/004-000
	Item no.769-664/003-000 THT male header; 1.0 x 1.0 mm solder pin; angled; clamping collar; Pin spacing 5 mm; 4-pole; gray	www.wago.com /769-664/003-000

Optional accessories

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

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

	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
	Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; light turquoise	www.wago.com/216-302
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
Cover		
Cover		
	Item no.: 769-436 Jumper cover; for 1-conductor female plugs; for 5 poles; gray	www.wago.com/769-436
Testing and measuring		
Testing accessories		
	Item no.: 210-136 Test plug; 2 mm Ø; with 500 mm cable; red	www.wago.com/210-136
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**Jumpers****Jumper****Item no.: 769-402**

Jumper; insulated; gray

www.wago.com/769-402**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.: 769-1604**

Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 4-pole; gray

www.wago.com/769-1604**Item no.: 769-412**

Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 4- to 5-pole; gray

www.wago.com/769-412**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**

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

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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

Downloads
Documentation

Bid Text

769-104 X81 - Datei	2019 Feb 19	xml 3.3 kB	Download
769-104 doc - Datei	2017 Oct 4	doc 25.6 kB	Download

Additional Information

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CAD/CAE-Data

CAD data

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CAE data

ZUKEN Portal 769-104	URL	Download
EPLAN Data Portal 769-104	URL	Download
WSCAD Universe 769-104	URL	Download

Asset Administration Shell

Asset Administration Shell 769-104	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 769-104

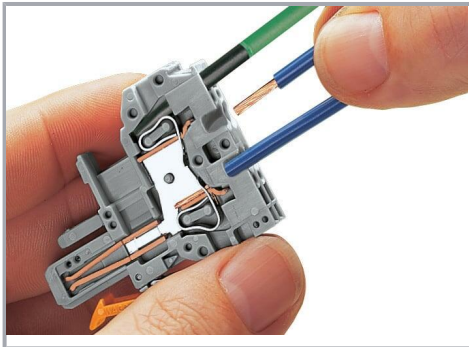
URL

Download

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

Installation Notes

Conductor termination

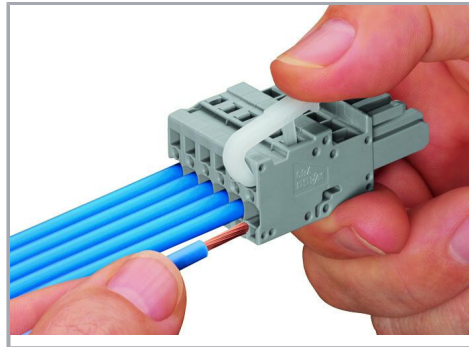


CAGE CLAMP® connection

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.



Operating lever

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

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

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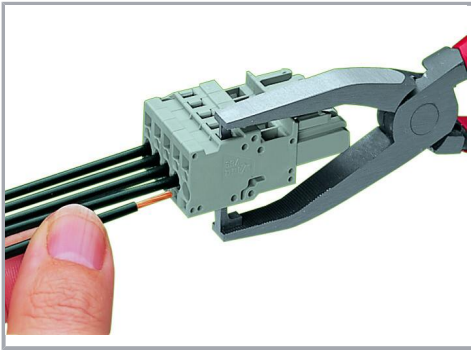
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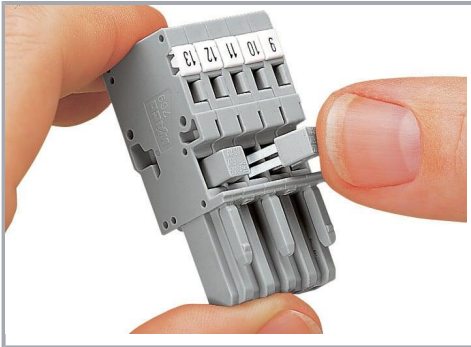


Operating tool

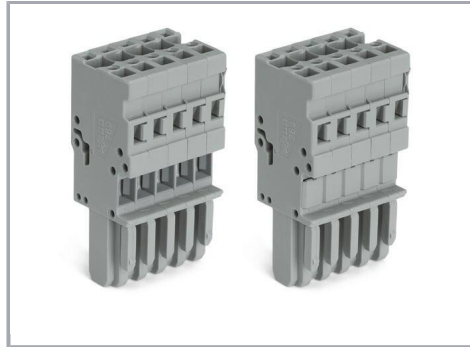
Inserting a conductor – side-entry wiring
(example shows a female plug).

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

Commoning



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!

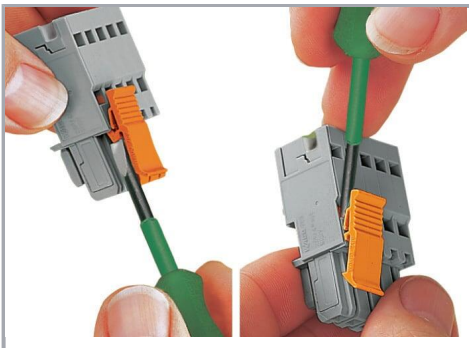
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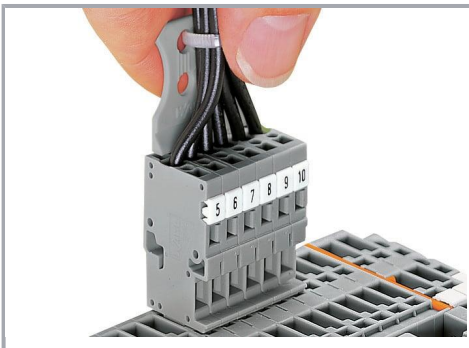
Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.

Locking system



Locking/releasing a lever.

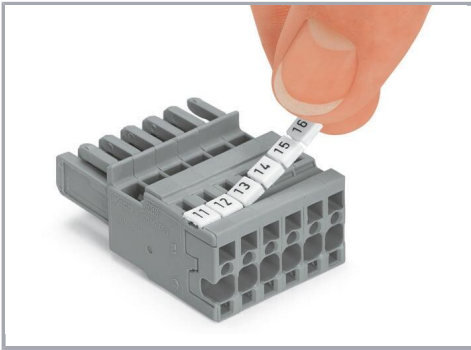
Strain relief



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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