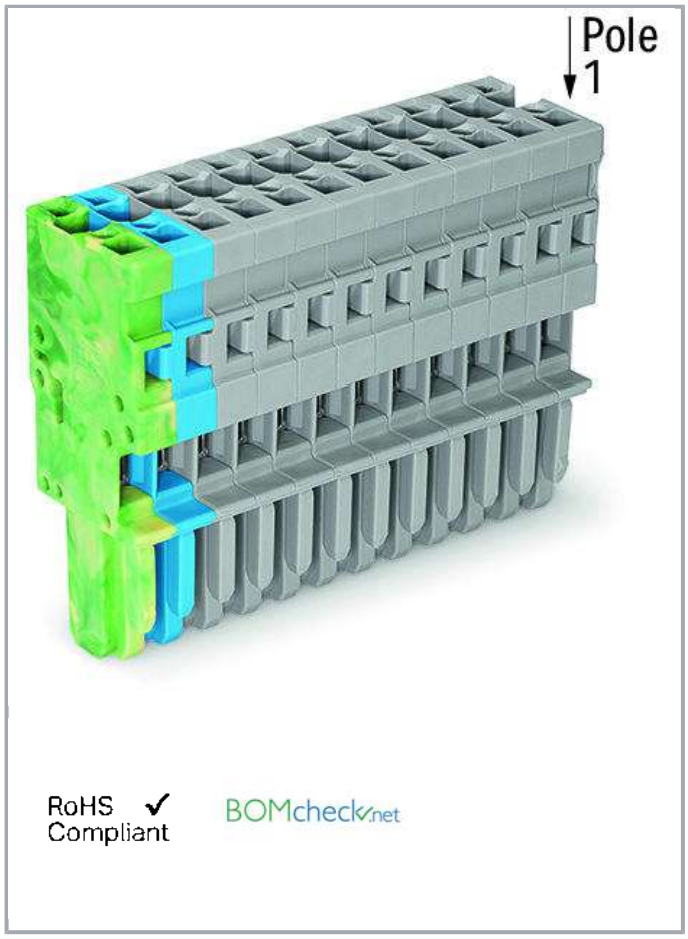

Item description

According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.

Safety information 1:
According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.

Data
Electrical data

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

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Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 61984
Rated voltage (III / 3)	500 V
Rated impulse voltage (III / 3)	6 kV
Rated current	32 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Connection data

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Nominal cross section	4 mm²
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 inch
No. of poles	15
Total number of connection points	15
Total number of potentials	15
Type of wiring	Front-entry wiring

Geometrical Data

Width	75 mm / 2.953 inch
Height	45,2 mm / 1.78 inch
Depth	18,3 mm / 0.72 inch
Module width	5 mm / 0.197 inch

Mechanical data

Marking level	Side marking

Plug connection

Contact type (pluggable connector)	Female connector/socket
Connector connection type	for conductor

Material Data

Color	green-yellow, blue, gray

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Insulating material	Polyamide 66 (PA 66)
Fire load	0.801 MJ
Weight	48.6 g

Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4050821653622
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CSA DEKRA Certification B.V.	C22.2 No. 158	1101144

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UR Underwriters Laboratories Inc.	UL 1059	20190731-E45172
	UR Underwriters Laboratories Inc.	UL 1977	20151210-E45171

Counterpart

Compatible products

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Locking lever

	Item no.: 769-428 Locking lever; gray	www.wago.com/769-428
	Item no.: 769-429 Locking lever; orange	www.wago.com/769-429
	Item no.: 769-430 Locking lever; gray	www.wago.com/769-430
	Item no.: 769-431 Locking lever; orange	www.wago.com/769-431

Strain relief plate

	Item no.: 769-414 Strain relief plate; gray	www.wago.com/769-414

Jumper

	Item no.: 769-402 Miniature adjacent jumper; insulated; suitable for 1-conductor female plugs; gray	www.wago.com/769-402

Marking accessories

	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.: 2009-145/000-002 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-145/000-002
	Item no.: 2009-145/000-005 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red	www.wago.com/2009-145/000-005
	Item no.: 2009-145/000-006 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue	www.wago.com/2009-145/000-006
	Item no.: 2009-145/000-007 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-145/000-007
	Item no.: 2009-145/000-012 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange	www.wago.com/2009-145/000-012
	Item no.: 2009-145/000-023 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green	www.wago.com/2009-145/000-023

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	Item no.: 2009-145/000-024 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet	www.wago.com/2009-145/000-024
	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
	Item no.: 210-831 Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white	www.wago.com/210-831
	Item no.: 210-832 Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white	www.wago.com/210-832
	Item no.: 210-834 Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white	www.wago.com/210-834
	Item no.: 248-501 Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card	www.wago.com/248-501
	Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow	www.wago.com/248-501/000-002
	Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red	www.wago.com/248-501/000-005
	Item no.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue	www.wago.com/248-501/000-006
	Item no.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray	www.wago.com/248-501/000-007
	Item no.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange	www.wago.com/248-501/000-012
	Item no.: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green	www.wago.com/248-501/000-017
	Item no.: 248-501/000-023 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green	www.wago.com/248-501/000-023
	Item no.: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet	www.wago.com/248-501/000-024

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General accessories		
	Item no.: 769-436 Jumper cover; for 1-conductor female plugs; for 5 poles; gray	www.wago.com/769-436
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
check		
	Item no.: 210-136 Test plug; 2 mm Ø; with 500 mm cable; red	www.wago.com/210-136
	Item no.: 210-137 Test plug; 2.3 mm Ø; with 500 mm cable; yellow	www.wago.com/210-137
Protective Warning Marker		
	Item no.: 280-415 Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow	www.wago.com/280-415
Male plug		
	Item no.: 769-615 1-conductor male connector; 4 mm²; Pin spacing 5 mm; 15-pole; 4,00 mm²; gray	www.wago.com/769-615
	Item no.: 769-615/001-000 1-conductor male connector; Snap-in mounting feet; 4 mm²; Pin spacing 5 mm; 15-pole; 4,00 mm²; gray	www.wago.com/769-615/001-000
	Item no.: 769-615/002-000 1-conductor male connector; clamping collar; 4 mm²; Pin spacing 5 mm; 15-pole; 4,00 mm²; gray	www.wago.com/769-615/002-000
	Item no.: 769-615/004-000 1-conductor male connector; Feedthrough flange; 4 mm²; Pin spacing 5 mm; 15-pole; 4,00 mm²; gray	www.wago.com/769-615/004-000
	Item no.: 769-615/005-000 1-conductor male connector; Snap-in flange; 4 mm²; Pin spacing 5 mm; 15-pole; 4,00 mm²; gray	www.wago.com/769-615/005-000
	Item no.: 769-615/006-000 1-conductor male connector; Snap-in flange; 4 mm²; Pin spacing 5 mm; 15-pole; 4,00 mm²; gray	www.wago.com/769-615/006-000
	Item no.: 769-645 THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 15-pole; gray	www.wago.com/769-645

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	Item no.: 769-645/003-000 THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 15-pole; gray	www.wago.com/769-645/003-000
	Item no.: 769-645/004-000 THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 15-pole; gray	www.wago.com/769-645/004-000
	Item no.: 769-645/007-000 THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 15-pole; gray	www.wago.com/769-645/007-000
	Item no.: 769-675 THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 15-pole; gray	www.wago.com/769-675
	Item no.: 769-675/003-000 THT male header; 1.0 x 1.0 mm solder pin; angled; clamping collar; Pin spacing 5 mm; 15-pole; gray	www.wago.com/769-675/003-000
	Item no.: 769-675/004-000 THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 15-pole; gray	www.wago.com/769-675/004-000

ferrule

	Item no.: 216-101 Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated	www.wago.com/216-101
	Item no.: 216-102 Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated	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.: 216-104 Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated	www.wago.com/216-104
	Item no.: 216-201 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-201
	Item no.: 216-202 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray	www.wago.com/216-202
	Item no.: 216-203 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-203
	Item no.: 216-204 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black	www.wago.com/216-204
	Item no.: 216-206 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; blue	www.wago.com/216-206
	Item no.: 216-301 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-301

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

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Item no.: 216-302
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; green

www.wago.com/216-302

Downloads

Documentation

Bid Text

769-115/000-039 GAEB X81 - Datei	Feb 19, 2019	xml 3.3 kB	Download
769-115/000-039 doc - Datei	Oct 4, 2017	doc 26.6 kB	Download

Additional Information

Technical explanations	Apr 3, 2019	pdf 2.1 MB	Download

CAD/CAE-Data

CAE data

EPLAN Data Portal 769-115/000-039	URL	Download
WSCAD Universe 769-115/000-039	URL	Download

Installation Notes

Conductor termination

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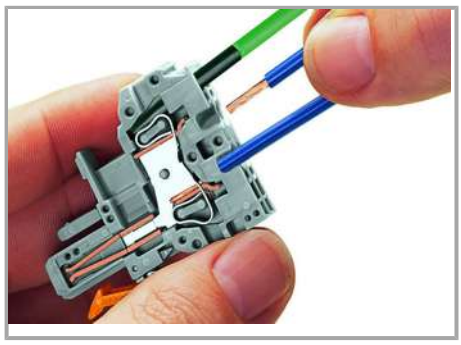
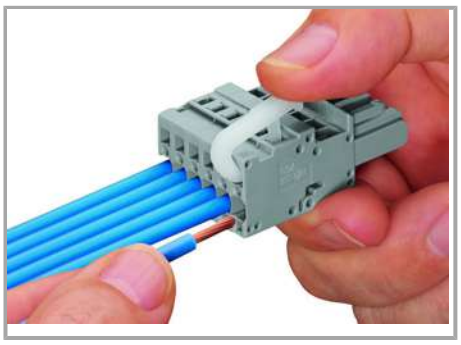


CAGE CLAMP® connection

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

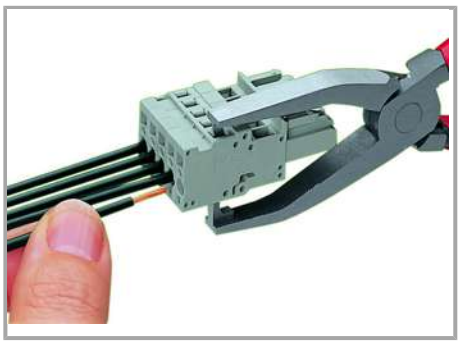
Operation 90° to conductor is also possible.

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



Operating lever

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

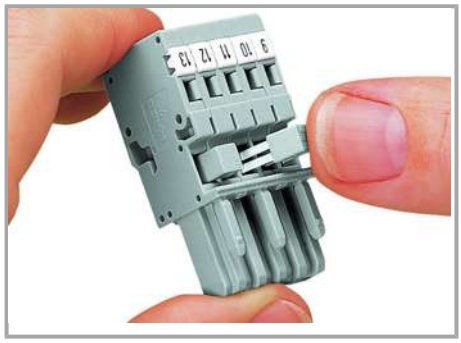


Operating tool

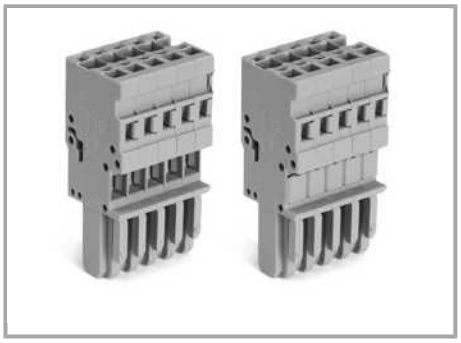
Inserting a conductor via operating tool – side-entry wiring (example shows a female plug).

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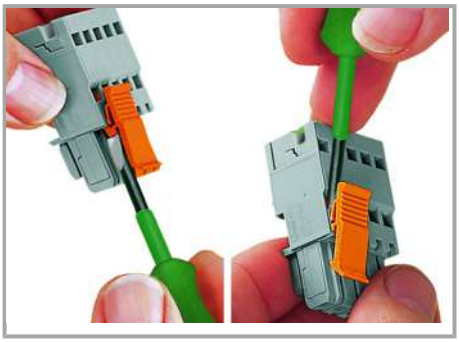
Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.

Locking lever



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!

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Labeling a female plug with CAGE CLAMP® connection via Mini-WSB quick markers.

Product family

X-COM
Show all products from the family

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