Data sheet | Item number: 2020-209/000-039

2-conductor female connector; 1.5 mm²; 9-pole; 1,50 mm²; green-yellow, blue, gray

www.wago.com/2020-209_000-039

Item description

Safety information 1:
According to EN 61984, pluggable connectors without current interrupting capacity shall not be mated and unmated when live or under load.
Safety information 2:
Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Data

Electrical data

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

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	13.5 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Approvals per UL 1059

Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group C)	300 V
Rated current UL (Use Group C)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	15 A
Approvals per	UL 1059

Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Open Tool Slot Push-in
Connectable conductor materials	Copper
Nominal cross section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor, push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.5 … 0.75 mm² / 20 … 18 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.5 … 0.75 mm² / 20 … 18 AWG
Strip length	9 … 11 mm / 0.35 … 0.43 inch
No. of poles	9
Total number of connection points	18
Total number of potentials	9
Type of wiring	Front-entry wiring
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

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

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Geometrical Data

Width	32.2 mm / 1.268 inch
Height	40.5 mm / 1.594 inch
Depth	25 mm / 0.984 inch
Module width	3.5 mm / 0.138 inch

Mechanical data

Marking level	Side marking

Plug connection

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

Material Data

Color	green-yellow, blue, gray
Insulating material	Polyamide 66 (PA 66)
Fire load	0.411 MJ
Weight	24.7 g

Commercial data

Product Group	18 (X-COM-System)
Packaging type	BOX
Country of origin	DE
GTIN	4050821091615
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	NTR NL 7617
	CSA DEKRA Certification B.V.	C22.2 No. 158	2516073

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UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1059	E45172

Counterpart

Compatible products

ferrule

	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	www.wago.com/216-241
	Item no.: 216-242 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	www.wago.com/216-242
	Item no.: 216-243 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	www.wago.com/216-243

Strain relief plate

	Item no.: 734-329 Strain relief plate; gray	www.wago.com/734-329

Protective Warning Marker

	Item no.: 2000-115 Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow	www.wago.com/2000-115

Marking accessories

	Item no.: 2009-113 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white	www.wago.com/2009-113

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	Item no.: 2009-113/000-002 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; yellow	www.wago.com/2009-113/000-002
	Item no.: 2009-113/000-005 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; red	www.wago.com/2009-113/000-005
	Item no.: 2009-113/000-006 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; blue	www.wago.com/2009-113/000-006
	Item no.: 2009-113/000-007 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; gray	www.wago.com/2009-113/000-007
	Item no.: 2009-113/000-012 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; orange	www.wago.com/2009-113/000-012
	Item no.: 2009-113/000-017 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; light green	www.wago.com/2009-113/000-017
	Item no.: 2009-113/000-023 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; green	www.wago.com/2009-113/000-023
	Item no.: 2009-113/000-024 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; violet	www.wago.com/2009-113/000-024
	Item no.: 793-3501 WMB marking card; as card; plain; snap-on type; white	www.wago.com/793-3501

Locking lever

	Item no.: 2022-151 Locking lever; can be snapped on 1-conductor female plugs; 2 poles and more; gray	www.wago.com/2022-151
	Item no.: 2022-152 Locking lever; can be snapped on 1-conductor female plugs; 2 poles and more; orange	www.wago.com/2022-152

tools

	Item no.: 210-647 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	www.wago.com/210-647
	Item no.: 210-648 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short	www.wago.com/210-648
	Item no.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	www.wago.com/210-719

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Downloads

Documentation

Bid Text

2020-209/000-039 GAEB docx - Datei	Aug 7, 2018	docx 15.6 kB	Download
2020-209/000-039 GAEB X81 - Datei	Feb 19, 2019	xml 4.1 kB	Download

Additional Information

Technical explanations	Apr 3, 2019	pdf 2.1 MB	Download

CAD/CAE-Data

CAD data

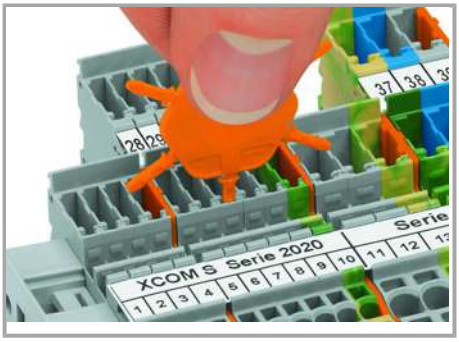
2D/3D Models 2020-209/000-039	URL	Download

CAE data

EPLAN Data Portal 2020-209/000-039	URL	Download
WSCAD Universe 2020-209/000-039	URL	Download

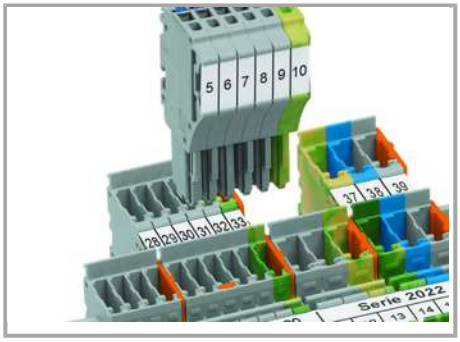
Installation Notes

Coding



Insert coding pin into the corresponding slot and twist it off.

Coding a female plug: remove coding finger using a suitable tool.



Insert coded female connector into X-COM®S-SYSTEM terminal block assembly.

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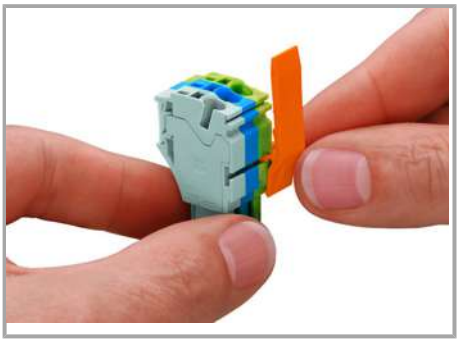
Locking lever



Slide the locking lever into position.

Female plugs can be individually locked.

Product family

X-COM S-Mini
Show all products from the family

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

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