

Data sheet | Item number: 2020-110/000-036

1-conductor female connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 10-pole; 1,50 mm²; gray, green-yellow

www.wago.com/2020-110/000-036



**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.

Safety information 2

Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

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

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

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

Ratings per UL 1059

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

Ratings per CSA

Approvals per	CSA 22.2 No 158
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	10 A
Rated voltage CSA (Use Group C)	300 V
Rated current CSA (Use Group C)	10 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

Connection data

Connection points	10
Total number of potentials	10

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper

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



Nominal cross-section	1 mm ²
Solid conductor	0.14 ... 1.5 mm ² / 24 ... 16 AWG
Solid conductor; push-in termination	0.5 ... 1.5 mm ² / 20 ... 16 AWG
Fine-stranded conductor	0.14 ... 1.5 mm ² / 24 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 ... 0.75 mm ² / 24 ... 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 ... 0.75 mm ² / 20 ... 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Strip length	9 ... 11 mm / 0.35 ... 0.43 inches
Pole number	10
Wiring direction	Front-entry wiring

Physical data

Width	35.7 mm / 1.406 inches
Height	40.5 mm / 1.594 inches
Depth	22.4 mm / 0.882 inches
Module width	3.5 mm / 0.138 inches

Mechanical Data

Variable coding	Yes
Marking level	Side marking
Anti-rotation protection	Yes

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismatching protection	No
Plugging without loss of pin spacing	No

Material Data

Note (material data)	Information on material specifications can be found here
Color	gray, green-yellow
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0

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

Fire load	0.407 MJ
Weight	22.8 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)	25 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821026877
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates













General approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 1059	E 45172

Optional accessories

Ferrule		
Ferrule	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	www.wago.com/216-241

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

	<p>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</p>	www.wago.com/216-242
	<p>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</p>	www.wago.com/216-243
Protective warning marker		
Cover		
	<p>Item no.: 2000-115 Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow</p>	www.wago.com/2000-115
Marking accessories		
Marking strip		
	<p>Item no.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white</p>	www.wago.com/2009-110
	<p>Item no.: 210-831 Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white</p>	www.wago.com/210-831
	<p>Item no.: 210-833 Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white</p>	www.wago.com/210-833
	<p>Item no.: 210-834 Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white</p>	www.wago.com/210-834
	<p>Item no.: 210-832 Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white</p>	www.wago.com/210-832
Marker		
	<p>Item no.: 2009-113 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white</p>	www.wago.com/2009-113
	<p>Item no.: 793-3501 WMB marking card; as card; plain; snap-on type; white</p>	www.wago.com/793-3501
Tool		
Operating tool		
	<p>Item no.: 210-648 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short</p>	www.wago.com/210-648
	<p>Item no.: 210-647 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured</p>	www.wago.com/210-647

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



Item no.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

Locking levers

Locking system



Item no.: 2022-151

Locking lever; gray

www.wago.com/2022-151



Item no.: 2022-152

Locking lever; orange

www.wago.com/2022-152

Strain relief

Strain relief plate



Item no.: 734-326

Strain relief plate; for female and male connectors; 35 mm wide; 1 part; gray

www.wago.com/734-326

Downloads

Documentation

Bid Text

2020-110/000-036 X81 - Datei	2019 Feb 19	xml 4.1 kB	Download
2020-110/000-036 docx - Datei	2018 Aug 6	docx 15.5 kB	Download

Additional Information

Technical Section Technical explanations		pdf 2.2 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 2020-110/000-036		URL	Download
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CAE data

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WSCAD Universe 2020-110/000-036

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ZUKEN Portal 2020-110/000-036	URL	Download

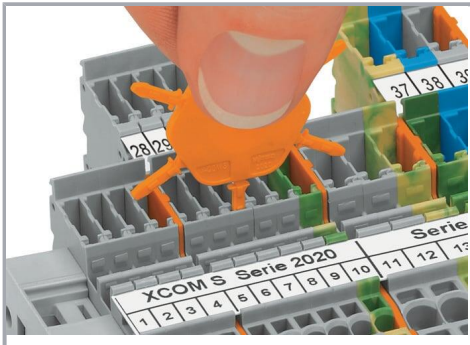
Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2020-110/000-036	URL	Download
1-conductor female connector; Push-in CAGE CLAMP®; 1.5 mm ² ; Pin spacing 3.5 mm; 10-pole; 1,50 mm ² ; gray, green-yellow		

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.

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



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

Product family

X-COM S-Mini

[Show all products from the family](#)

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