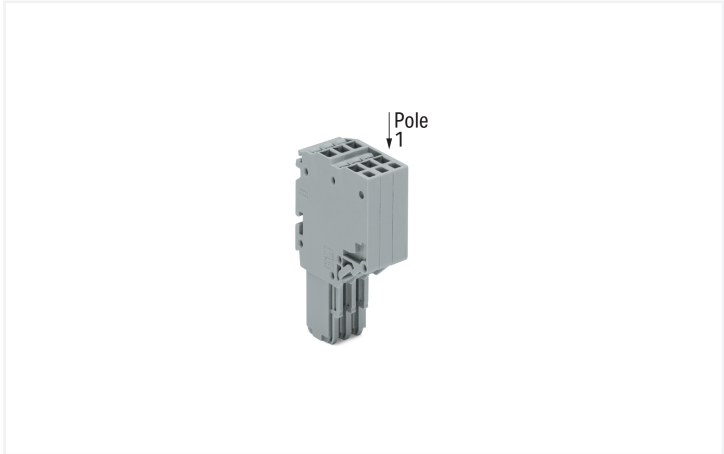
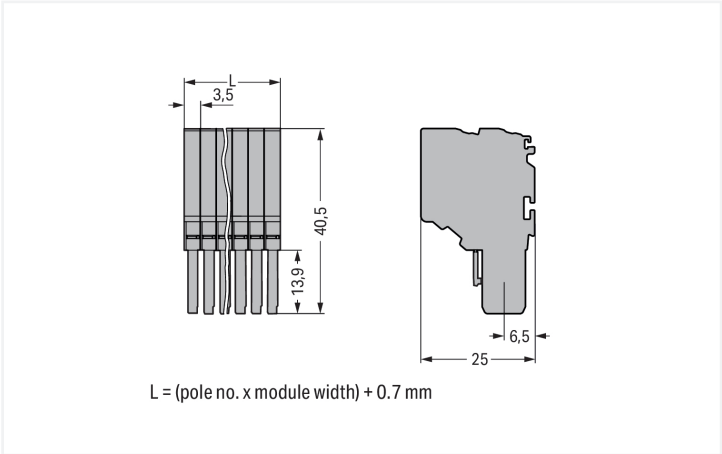


Data Sheet | Item Number: 2020-206

2-conductor female connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 1,50 mm²; gray

<https://www.wago.com/2020-206>



Color: ■ gray

Similar to illustration

Dimensions in mm

Female connector, 2020 Series, Push-in CAGE CLAMP®

Enjoy easy electrical installations with this female connector (item number 2020-206). Ensure that the strip lengths are between 9 and 11 mm when connecting conductors to this female connector. Pluggable rail-mount terminal blocks are hugely popular in switchgear and control systems, for example, in railroad technology. They combine the best of rail-mount terminal blocks and connectors to create the perfect solution. Variable wiring systems make pre-assembly easy, which leads to considerable time and cost savings in production, installation, operation, and maintenance. This product incorporates conductor terminals and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing to use any tools—all thanks to its pluggable design. The dimensions are (21.7 x 40.5 x 25) mm (width x height x depth). Depending on the conductor type, this female connector is ideal for conductor cross sections ranging from 0.14 mm² to 1.5 mm².

This female connector/socket is operated with an operating tool.

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.

Electrical data				
Ratings per		IEC/EN 61984		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		500 V	-	-
Rated impulse withstand voltage		6 kV	-	-
Rated current		13.5 A	-	-
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		300 V	300 V	300 V
Rated current		15 A	15 A	15 A

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

General information	
Wiring direction	Front-entry wiring

Connection Data																												
Clamping units	12	<div><div>Connection 1</div><table><tr><td>Connection technology</td><td>Push-in CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Operating tool</td></tr><tr><td>Connectable conductor materials</td><td>Copper</td></tr><tr><td>Nominal cross-section</td><td>1 mm²</td></tr><tr><td>Solid conductor</td><td>0.14 ... 1.5 mm² / 24 ... 16 AWG</td></tr><tr><td>Solid conductor; push-in termination</td><td>0.5 ... 1.5 mm² / 20 ... 16 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.14 ... 1.5 mm² / 24 ... 16 AWG</td></tr><tr><td>Fine-stranded conductor; with insulated fer-rule</td><td>0.14 ... 0.75 mm² / 24 ... 18 AWG</td></tr><tr><td>Fine-stranded conductor; with ferrule; push-in termination</td><td>0.5 ... 0.75 mm² / 20 ... 18 AWG</td></tr><tr><td>Note (conductor cross-section)</td><td>Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.</td></tr><tr><td>Strip length</td><td>9 ... 11 mm / 0.35 ... 0.43 inches</td></tr><tr><td>Pole number</td><td>6</td></tr><tr><td>Wiring direction</td><td>Front-entry wiring</td></tr></table></div>	Connection technology	Push-in CAGE CLAMP®	Actuation type	Operating tool	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 insulated fer-rule	0.14 ... 0.75 mm² / 24 ... 18 AWG	Fine-stranded conductor; with ferrule; push-in termination	0.5 ... 0.75 mm² / 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	6	Wiring direction	Front-entry wiring
Connection technology	Push-in CAGE CLAMP®																											
Actuation type	Operating tool																											
Connectable conductor materials	Copper																											
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Solid conductor	0.14 ... 1.5 mm² / 24 ... 16 AWG																											
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Fine-stranded conductor	0.14 ... 1.5 mm² / 24 ... 16 AWG																											
Fine-stranded conductor; with insulated fer-rule	0.14 ... 0.75 mm² / 24 ... 18 AWG																											
Fine-stranded conductor; with ferrule; push-in termination	0.5 ... 0.75 mm² / 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	6																											
Wiring direction	Front-entry wiring																											
Total number of potentials	6																											

Physical data		
Width	21.7 mm / 0.854 inches	
Height	40.5 mm / 1.594 inches	
Depth	25 mm / 0.984 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	
Mismating protection	No	

Material data		
Note (material data)	Information on material specifications can be found here	
Color	gray	
Material group	I	
Insulation material (main housing)	Polyamide (PA66)	
Flammability class per UL94	V0	
Fire load	0.25 MJ	
Weight	16.8 g	



Environmental requirements	
Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C

Commercial data	
Product Group	18 (X-COM-System)
PU (SPU)	25 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454855284
Customs tariff number	85366990990

Product Classification	
UNSPSC	39121409
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 9.0	EC001284
ETIM 10.0	EC001284
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates	
General approvals	Declarations of conformity and manufacturer's declarations



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL 7617
CSA DEKRA Certification B.V.	C22.2	2516073
UL UL International Germany GmbH	UL 1059	E 45172

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications		
  		
Approval	Standard	Certificate Name
ABS American Bureau of Shipping	EN 60947	24-0152298-PDA
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
PRS Polski Rejestr Statków	-	TE/1094/880590/23

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2020-206

↓

Documentation

Bid Text			
2020-206	19.02.2019	xml 3.90 KB	↓
2020-206	07.08.2018	docx 15.08 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models 2020-206

↓

CAE data

EPLAN Data Portal 2020-206

↓

WSCAD Universe 2020-206

↓

ZUKEN Portal 2020-206

↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 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

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

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

1.1.2 Locking system

1.1.2.1 Locking system

Item No.: 2022-151

Locking lever; gray

Item No.: 2022-152

Locking lever; orange

1.1.3 Marking

1.1.3.1 Marker



Item No.: 793-3501
WMB marking card; as card; plain; snap-on type; white



Item No.: 2009-113
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

1.1.4 Protective warning marker

1.1.4.1 Cover



Item No.: 2000-115
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.1.5 Strain relief

1.1.5.1 Strain relief plate



Item No.: 734-328
Strain relief plate; for female and male connectors; 12.5 mm wide; 1 part; gray

1.1.6 Tool

1.1.6.1 Operating tool



Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



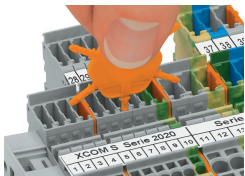
Item No.: 210-648
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short



Item No.: 210-647
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

Installation Notes

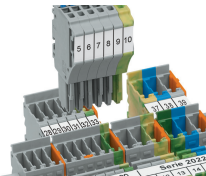
Coding



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

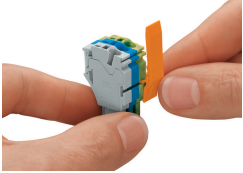


Coding a female plug: remove coding finger using a suitable tool.

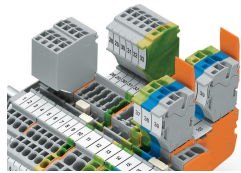


Insert coded female plug into X-COM®S-SYSTEM terminal block assembly.

Locking system



Slide the locking lever into position.



Female plugs can be individually locked.