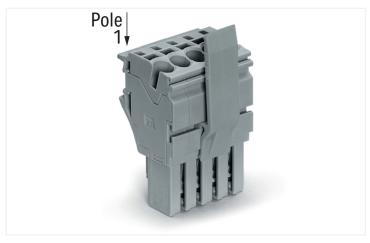
1-conductor female connector; Push-in CAGE CLAMP®; 4 mm²; Pin spacing 5.2 mm;

1-pole; Centered locking levers; 4,00 mm²; gray

https://www.wago.com/2022-101/122-000





Color: ■ gray

Similar to illustration

Female connector, 2022 Series, Push-in CAGE CLAMP®

This female connector (item number 2022-101/122-000) provides fault-free electrical installations. Pluggable rail-mount terminal blocks are mainly used in switchgear units and control systems (e.g., in railroad technology). They are essentially a combination of rail-mount terminal blocks and pluggable connectors. You can also pre-assemble installations thanks to the variable wiring system. This saves both time and money during manufacture, installation, operation, and maintenance. Rated current and voltage are important parameters when selecting a pluggable rail-mount terminal block, as they indicate possible applications and uses. This product has a rated voltage of 690 V and a rated current of 24 A. Ensure that the strip lengths are between 10 mm and 12 mm when connecting conductors to this female connector. This product features conductor terminals and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® technology provides a universal connection solution for all conductor types. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. The item's dimensions are 5.2 x 48.9 x 27.2 mm (width x height x depth). Depending on the type of conductor, this female connector is suitable for conductor cross sections ranging from 0.25 mm² to 4 mm². Up to one potential / one pole can be connected to this terminal block using one clamping point. The gray housing is made of polyamide (PA66) for insulation. An operating tool is used to operate this female connector/socket. The front-entry wiring makes it possible to connect copper conductors.

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	IE	EC/EN 6198	4
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	690 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm ²	32 A	-	-

Approvals per	CSA 22.2 No 158		
Use group	В	С	D
Rated voltage	-	600 V	-
Rated current	-	20 A	-

Approvals per		UL 1059	
Use group	В	С	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Data Sheet | Item Number: 2022-101/122-000 https://www.wago.com/2022-101/122-000



Connection data			
Clamping units	1	Connection 1	
Total number of potentials 1	1	Connection technology	Push-in CAGE CLAMP®
		Actuation type	Operating tool
		Connectable conductor materials	Copper
	Nominal cross-section	2.5 mm ²	
	Solid conductor	0.25 4 mm² / 22 12 AWG	
	Solid conductor; push-in termination	0.75 4 mm² / 18 12 AWG	
		Fine-stranded conductor	0.25 4 mm² / 22 12 AWG
		Fine-stranded conductor; with insulated ferrule	0.25 2.5 mm² / 22 14 AWG
		Fine-stranded conductor; with ferrule; push-in termination	1 2.5 mm² / 18 14 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	10 12 mm / 0.39 0.47 inches
		Pole number	1
	Wiring direction	Front-entry wiring	

Physical data	
Width	5.2 mm / 0.205 inches
Height	48.9 mm / 1.925 inches
Depth	27.2 mm / 1.071 inches
Module width	5.2 mm / 0.205 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
Plugging without loss of pin spacing	Yes
Locking of plug-in connection	Locking lever

Material data	
Note (material data)	
	<u>Information on material specifications can be found here</u>
Color	gray
Material group	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.087 MJ
Weight	3.8 g



Envi	ronmental	I requirements

Processing temperature -35 ... +85 °C

Environmental Testing (Environmental Conditions)

Continuous operating temperature -60 ... +105 °C

Test specification DIN EN 50155 (VDE 0115-200):2022-06 Railway applications - Rolling stock -

Electronic equipment Test procedure DIN EN 61373 (VDE 0115-0106):2011-04 Railway applications -Rolling stock equipment -Shock and vibration tests Spectrum/Installation location Service life test, Category 1, Class A/B Function test with noise-like vibration Test passed according to Section 8 of the standard $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ Frequency $f_1' = 5 \text{ Hz to } f_2' = 150 \text{ Hz}$ Acceleration 0.101g (highest test level used for all axes) 0.572g (highest test level used for all axes) 5g (highest test level used for all axes) 10 min. Test duration per axis 5 h Test directions X, Y and Z axes X, Y and Z axes X, Y and Z axes Monitoring for contact faults/interrupti-Passed Voltage drop measurement before and Passed after each axis Simulated service life test through incre-Test passed according to Section 9 of ased levels of noise-like vibration the standard Extended test scope: Monitoring for con-Passed tact faults/interruptions Passed Extended test scope: Voltage drop mea-Passed surement before and after each axis Passed

Test passed according to Section 10 of

the standard Half sine

3 pos. und 3 neg.

30 ms

Passed

 Commercial data

 Product Group
 18 (X-COM-System)

 PU (SPU)
 200 pcs

 Packaging type
 Box

 Country of origin
 DE

 GTIN
 4050821090038

 Customs tariff number
 85366990990

Shock test

Shock form Shock duration

stock equipment

Number of shocks per axis

Vibration and shock stress for rolling

https://www.wago.com/2022-101/122-000



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 8.0	EC001284
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status Compliant,No Exemption

Approvals / Certificates

General approvals



ApprovalStandardCertificate NameCSAC22.2 No. 1582437422DEKRA Certification B.V.2437422

Declarations of conformity and manufacturer's declarations



ApprovalStandardCertificate NameRailway-Z00004391.000WAGO GmbH & Co. KG-

Downloads

Environmental Product Compliance

Compliance Search Environmental Product Compliance 2022-101/122-000

Documentation Bid Text 2022-101/122-000 xml 4.17 KB 2022-101/122-000 docx 14.05.2019 ↓

https://www.wago.com/2022-101/122-000



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.: 216-263

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

Item No.: 216-246

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

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.: 216-244

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

Item No.: 216-266 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228. Part 4/09.90: blue

Item No.: 216-262

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.: 216-264 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

Item No.: 216-286 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

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

Item No.: 216-284 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

1.1.2 Insulation stop

1.1.2.1 Insulation stop



Item No.: 2002-171 Insulation stop; 0.25 - 0.5 mm2; 5 pieces/

Item No.: 2002-172 Insulation stop; 0.75 - 1 mm2; 5 pieces/ strip; dark gray

strip; light gray

1.1.3 Marking

1.1.3.1 Label

Item No.: 210-805 Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; white

Item No.: 210-805/000-002

Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; yellow

1.1.3.2 Marker



Item No.: 2009-115

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

4



WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 -5.2 mm; plain; snap-on type; white



https://www.wago.com/2022-101/122-000



1.1.3.3 Marking strip

Item No.: 210-833

Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white

Item No.: 2009-110

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

Item No.: 210-831

Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white

Item No.: 210-832

Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white

Item No.: 210-834

Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

1.1.4 Protective warning marker

1.1.4.1 Cover



Item No.: 2002-115

Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.1.5 Screwless end stop

1.1.5.1 Mounting accessories



·11.

Item No.: 249-117

Screwless end stop; 10 mm wide; for DINrail 35 x 15 and 35 x 7.5; gray Item No.: 249-116

Screwless end stop; 6 mm wide; for DINrail 35 x 15 and 35 x 7.5; gray

1.1.6 Tool

1.1.6.1 Operating tool



Item No.: 210-720

Operating tool; Blade: 3.5 x 0.5 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.

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

Current addresses can be found at:: www.wago.com