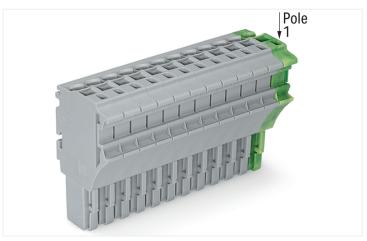
1-conductor female connector; Push-in CAGE CLAMP®; 4 mm²; Pin spacing 5.2 mm;

15-pole; 4,00 mm²; gray, green-yellow

https://www.wago.com/2022-115/000-036





Color:

green-yellow/gray

Similar to illustration

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

This female connector (item number 2022-115/000-036) provides seamless electrical installations. Pluggable rail-mount terminal blocks are primarily found in switchgear units and control systems, most notably in railroad technology. These innovative systems combine the properties of rail-mount terminal blocks and connectors for a flexible and reliable wiring system. You also have the option of pre-assembling installations, which not only makes production but also installation, operation, and maintenance more efficient and cost-effective. Our pluggable rail-mount terminal block is rated for 690 V and is designed for use with a rated current of up to 24 A. Strip lengths must be 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 any type of conductor. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. The dimensions are 78 x 40.5 x 22.4 mm (width x height x depth). This female connector is suitable for conductor cross sections ranging from 0.25 mm² to 4 mm². Fifteen potentials can connect fifteen poles using the fifteen clamping points The gray/green-yellow housing is made of polyamide (PA66) for insulation. An operating tool is used to operate this female connector/socket. The front-entry wiring means you can 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	C/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	C	SA 22.2 No 15	58
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: 2022-115/000-036 https://www.wago.com/2022-115/000-036



Connection data			
Clamping units	15	Connection 1	
Total number of potentials	15	Connection technology	Push-in CAGE CLAMP®
		Actuation type	Operating tool
		Connectable conductor materials	Copper
		Nominal cross-section	2.5 mm²
		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	15
		Wiring direction	Front-entry wiring

Physical data	
Width	78 mm / 3.071 inches
Height	40.5 mm / 1.594 inches
Depth	22.4 mm / 0.882 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

Material data	
Note (material data)	Information on material specifications can be found here
	information on material specifications can be found here
Color	green-yellow/gray
Material group	1
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	VO
Fire load	0.807 MJ
Weight	47.8 g

https://www.wago.com/2022-115/000-036



Envi	ironm	ental red	quirements

Processing temperature -35 ... +85 °C

Continuous operating temperature

-60 ... +105 °C

Test specification
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

Frequency $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$

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)

Test duration per axis 10 min. 5 h

Test directions X, Y and Z axes X, Y and Z axes X, Y and Z axes X, Y and Z axes

Monitoring for contact faults/interrupti-

Voltage drop measurement before and

Passed

after each axis
Simulated service life test through incre-

ased levels of noise-like vibration

Test passed according to Section 9 of the standard

Extended test scope: Monitoring for contact faults/interruptions

Extended test scope: Voltage drop mea-

Passed Passed Passed

the standard

Extended test scope: Voltage drop measurement before and after each axis Shock test

Passed
Test passed according to Section 10 of

Shock form Half sine
Shock duration 30 ms
Number of shocks per axis 3 pos. und 3 neg.

Vibration and shock stress for rolling stock equipment

Passed

Commercial data	
Product Group	18 (X-COM-System)
PU (SPU)	25 pcs
Packaging type	Вох
Country of origin	DE
GTIN	4045454912949
Customs tariff number	85366990990

https://www.wago.com/2022-115/000-036



Product classification	
Fiduuct 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-Z00004392.000WAGO GmbH & Co. KG-

Downloads

Environmental Product Compliance

Compliance Search Environmental Product Compliance 2022-115/000-036

Documentation Bid Text 2022-115/000-036 xml 4.22 KB ✓ 2022-115/000-036 docx 14.05.2019 ✓

https://www.wago.com/2022-115/000-036



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.: 216-262

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.: 216-243

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.: 216-263

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

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.: 216-264

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.: 216-284

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



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.: 216-266

Item No.: 216-244

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.: 216-286

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

1.1.2 Insulation stop

1.1.2.1 Insulation stop





Item No.: 2002-171

Insulation stop; 0.25 - 0.5 mm2; 5 pieces/ strip; light gray

Item No.: 2002-172

Insulation stop; 0.75 - 1 mm2; 5 pieces/ strip; dark gray

1.1.3 Locking system

1.1.3.1 Locking system





Item No.: 2022-151

Locking lever; gray

Item No.: 2022-152 Locking lever; orange

1.1.4 Marking

1.1.4.1 Label



hesive; 6 x 15 mm; white

Item No.: 210-805/000-002

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

Labels; for Smart Printer; permanent ad-

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1.1.4.2 Marker





Item No.: 793-5501

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

Item No.: 2009-115

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

1.1.4.3 Marking strip



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

1.1.5 Protective warning marker

1.1.5.1 Cover



Item No.: 2002-115

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

1.1.6 Screwless end stop

1.1.6.1 Mounting accessories





Item No.: 249-117

Screwless end stop; 10 mm wide; for DIN-rail 35×15 and 35×7.5 ; gray

Item No.: 249-116

Screwless end stop; 6 mm wide; for DIN-rail 35×15 and 35×7.5 ; gray

1.1.7 Strain relief

1.1.7.1 Strain relief plate



Item No.: 734-431

Strain relief plate; for female and male connectors; 75 mm wide; 1 part; gray

https://www.wago.com/2022-115/000-036



1.1.8 Tool

1.1.8.1 Operating tool



<u>Item No.: 210-720</u>

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:: $\underline{www.wago.com}$

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