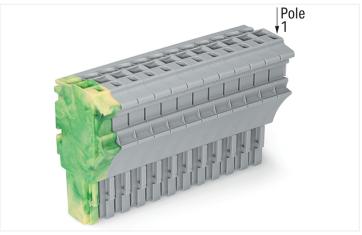
1-conductor female connector; Push-in CAGE CLAMP®; 4 mm²; Pin spacing 5.2 mm;

14-pole; 4,00 mm²; gray

https://www.wago.com/2022-114/000-037





Color: ■ gray/green-yellow

Similar to illustration

Female connector, 2022 Series, green-yellow/gray

Enjoy seamless electrical installations with this female connector (item number 2022-114/000-037). 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. This pluggable rail-mount terminal block has a rated voltage of 690 V and can handle currents 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® connection technology is ideal for connecting all conductor types. It allows direct insertion of both solid and fine-stranded conductors with ferrules without the need for tools—all thanks to its pluggable design. The dimensions are 72.8 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. There are fourteen clamping points available that you can use to connect fourteen different potentials / fourteen poles. The green-yellow/gray housing is made of polyamide (PA66) for insulation. An operating tool is used to operate this female connector/socket. Conductors made of copper can be connected thanks to front-entry wiring.

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 impulse withstand voltage	6 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm ²	32 A	-	-

Approvals per	С	SA 22.2 No 15	8
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: 2022-114/000-037 https://www.wago.com/2022-114/000-037



Connection data			
Clamping units	14	Connection 1	
Total number of potentials 14	14	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 characteri- stic, 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	14
		Wiring direction	Front-entry wiring

Physical data		
Width	72.8 mm / 2.866 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
Color	gray/green-yellow
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	VO
Fire load	0.885 MJ
Weight	48.8 g



Environmental requirements			
Processing temperature	-35 +85 °C	Environmental Testing	
Continuous operating temperature	-60 +105 °C	Test specification:	DIN EN 5015

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 -Vibration and shock tests Spectrum/Mounting location Service life test, Category 1, Class A/B Functional test with noise-like oscillati-Test passed according to Section 8 of the standard ons Frequency $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ 0.101g (highest test level used for all Acceleration axes) Test duration per axis 10 min. Test directions X, Y and Z axes Monitoring of contact faults and interrup-Passed tions 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 oscillations the standard Frequency $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ Acceleration 0.572g (highest test level used for all Test duration per axis Test directions X, Y and Z axes Extended testing: Monitoring of contact Passed faults and interruptions Extended testing: Voltage drop measure-Passed ment before and after each axis Shock test Test passed according to Section 10 of the standard Shock pulse form Half sine Acceleration 5g (highest test level used for all axes) Shock duration 30 ms Number of shocks (per axis) 3 pos. und 3 neg. Test directions X, Y and Z axes Extended testing: Monitoring of contact Passed faults and interruptions Extended testing: Voltage drop measure-Passed ment before and after each axis Vibration and shock stress for rolling Passed

Commercial data	
Product Group	18 (X-COM-System)
PU (SPU)	25 pcs
Packaging type	Вох
Country of origin	DE
GTIN	4045454913090
Customs tariff number	85366990990

stock equipment

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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-Z00004392.000WAGO GmbH & Co. KG-Z00004392.000

Downloads

Environmental Product Compliance

Compliance Search Environmental Product Compliance 2022-114/000-037

Documentation Bid Text 2022-114/000-037 xml 4.21 KB 2022-114/000-037 docx 14.05.2019 15.50 KB ↓

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 2022-114/000-037	EPLAN Data Portal 2022-114/000-037
	WSCAD Universe 2022-114/000-037
	ZUKEN Portal 2022-114/000-037

https://www.wago.com/2022-114/000-037



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



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.: 216-264

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.: 216-284

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



Ferrule; Sleeve for 1.5 mm² / AWG 16; in-

sulated; 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

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



Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; 3000 pieces on roll; white

Item No.: 210-805/000-002

Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; 3000 pieces on roll; vellow

https://www.wago.com/2022-114/000-037



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.: 734-430

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

https://www.wago.com/2022-114/000-037



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