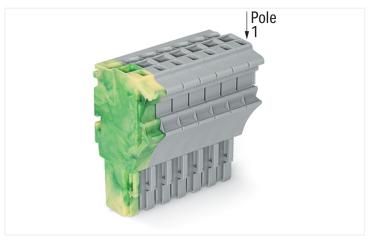
1-conductor female connector; Push-in CAGE CLAMP®; 4 mm²; Pin spacing 5.2 mm;

7-pole; 4,00 mm²; gray

https://www.wago.com/2022-107/000-037





Color: I gray/green-yellow

Female connector, 2022 Series, green-yellow/gray

Our female connector (item number 2022-107/000-037) is designed for seamless electrical installations. 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 for 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 pluggable rail-mount terminal block has a rated voltage of 690 V and can handle currents up to 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. Dimensions: 36.4 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. Seven potentials can connect seven poles using the seven clamping points The green-yellow/gray 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.

Safety Information

According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.

UL 1059

С

600 V

20 A

В

600 V

20 A

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	CS	SA 22.2 No 15	58
Use group	В	С	D
Rated voltage	-	600 V	-
Rated current	-	20 A	-

Approvals per	CS	SA 22.2 No 1	58
Use group	В	С	D
Rated voltage	-	600 V	-

Approvals per

Use group

Rated voltage

Rated current

Data Sheet | Item Number: 2022-107/000-037 https://www.wago.com/2022-107/000-037



nnection data			
lamping units	7	Connection 1	
otal number of potentials	7	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	7
		Wiring direction	Front-entry wiring

Physical data	
Width	36.4 mm / 1.433 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 angelications can be found have
	Information on material specifications can be found here
Color	gray/green-yellow
Material group	T .
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	VO
Fire load	0.381 MJ
Weight	22.4 g

https://www.wago.com/2022-107/000-037



Envi	ironm	ental re	equiren	nents
		•		

-35 ... +85 °C Processing temperature **Environmental Testing (Environmental Conditions)** DIN EN 50155 (VDE 0115-200):2022-06 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 $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ 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. 5 h X, Y and Z axes X, Y and Z axes X, Y and Z axes Passed Passed Test passed according to Section 9 of

Test duration per axis Test directions Monitoring for contact faults/interrupti-Voltage drop measurement before and after each axis Simulated service life test through increased 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

> Number of shocks per axis Vibration and shock stress for rolling stock equipment

surement before and after each axis

Shock test

Shock form Shock duration

Passed

30 ms

Passed

the standard Half sine

3 pos. und 3 neg.

Test passed according to Section 10 of

Commercial data	
Product Group	18 (X-COM-System)
PU (SPU)	50 pcs
Packaging type	Вох
Country of origin	DE
GTIN	4045454913014
Customs tariff number	85366990990

https://www.wago.com/2022-107/000-037



Product classification	
FTOUUCE 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 2022-107/000-037

Documentation Bid Text 2022-107/000-037 xml 4.21 KB 2022-107/000-037 docx 14.05.2019 15.44 KB ✓

CAD/CAE-Data CAD data CAE data 2D/3D Models 2022-107/000-037 ↓ WSCAD Universe 2022-107/000-037 ↓ ZUKEN Portal 2022-107/000-037 ↓

https://www.wago.com/2022-107/000-037



Item No.: 216-243

Part 4/09.90: red

Item No.: 216-284

Ferrule; Sleeve for 1 mm² / AWG 18; insu-

lated; electro-tin plated; electrolytic cop-

per; gastight crimped; acc. to DIN 46228,

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

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

Item No.: 216-266

46228, Part 4/09.90; blue

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 2.5 mm² / AWG 14; in-

sulated; electro-tin plated; electrolytic

copper; gastight crimped; acc. to DIN

sulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN

46228, Part 4/09.90; black

Item No.: 216-286

Item No.: 216-262

Item No.: 216-264

46228, Part 4/09.90; gray

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; in-

sulated; electro-tin plated; electrolytic

copper; gastight crimped; acc. to DIN

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



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

Labels; for Smart Printer; permanent ad-

Item No.: 210-805/000-002

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

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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.: 734-326

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

https://www.wago.com/2022-107/000-037



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