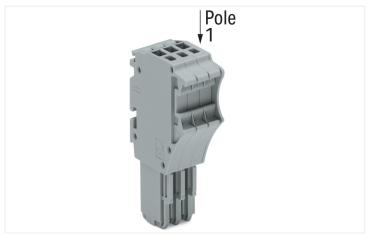
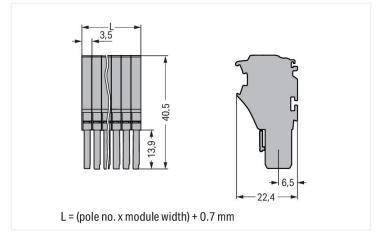
1-conductor female connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5

mm; 10-pole; 1,50 mm²; gray

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Color: ■ gray

Similar to illustration

Dimensions in mm

Female connector, 2020 Series, gray

This female connector (item number 2020-110) simplifies 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. Our pluggable rail-mount terminal block is rated for 500 V and is designed for use with a rated current of up to 13.5 A. Ensure that the strip lengths are between 9 mm and 11 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 item's dimensions are 35.7 x 40.5 x 22.4 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. You can connect ten potentials / ten poles using the ten clamping points. The gray housing is made of polyamide (PA66) for insulation. This female connector/socket is operated with an operating tool. 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.
Safety information 2	Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Electrical data			
Ratings per	IE	C/EN 6198	4
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	500 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	13.5 A	_	_

Rateu current	13.3 A	-	-
Approvals per	CSA	22.2 No 158	
Use group	В	С	D
Rated voltage	300 V	300 V	300 V

10 A

10 A

Approvals per		UL 1059	
Use group	В	С	D
Rated voltage	300 V	300 V	300 V
Rated current	15 A	15 A	15 A

Rated current



10	Connection 1	
Total number of potentials 10	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 ferrule	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	10
	Wiring direction	Front-entry wiring
		Connection technology Actuation type Connectable conductor materials Nominal cross-section Solid conductor Solid conductor; push-in termination Fine-stranded conductor Fine-stranded conductor; with insulated ferrule Fine-stranded conductor; with ferrule; push-in termination Note (conductor cross-section) Strip length Pole number

Physical data	
Width	35.7 mm / 1.406 inches
Height	40.5 mm / 1.594 inches
Depth	22.4 mm / 0.882 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	0.403 MJ
Weight	22.7 g

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Environmental requirements

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

Commercial data		
PU (SPU)	25 pcs	
Packaging type	Box	
Country of origin	CN	
GTIN	4050821245094	
Customs tariff number	85366990990	

Product classification

UNSPSC 39121409

Environmental Product Compliance

RoHS Compliance Status Compliant, No Exemption

Approvals / Certificates

General approvals





_		
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

Declarations of conformity and manufacturer's declarations

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

Approvals for marine applications

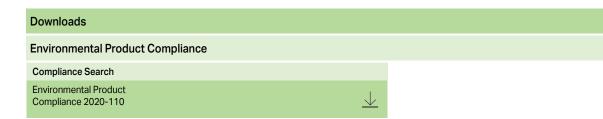




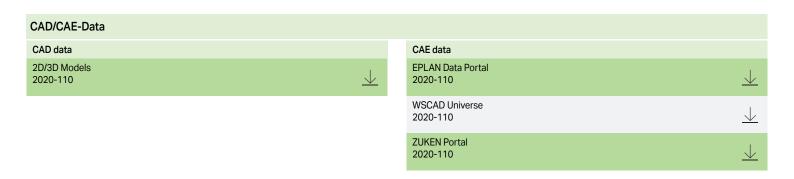
Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	EN 60947	20-HG1941090-PDA
BV Bureau Veritas S.A.	EN 60947	38586/B0 BV

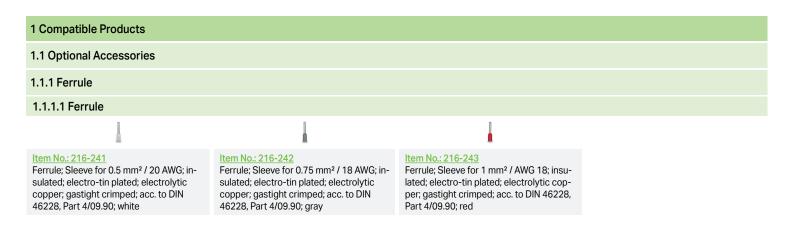
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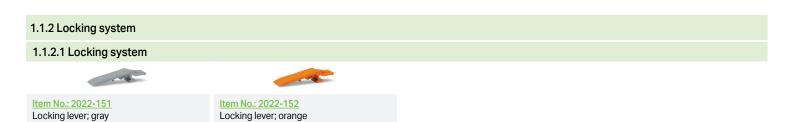












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1.1.3 Marking

1.1.3.1 Marker

THITTI



Item No.: 793-3501

WMB marking card; as card; plain; snapon type; white Item No.: 2009-113

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

1.1.3.2 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

1.1.4 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 Screwless end stop

1.1.5.1 Mounting accessories





Item No.: 249-117

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

Item No.: 249-116

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

1.1.6 Strain relief

1.1.6.1 Strain relief plate



Item No.: 734-326

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

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1.1.7 Tool

1.1.7.1 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.

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

Current addresses can be found at:: $\underline{www.wago.com}$