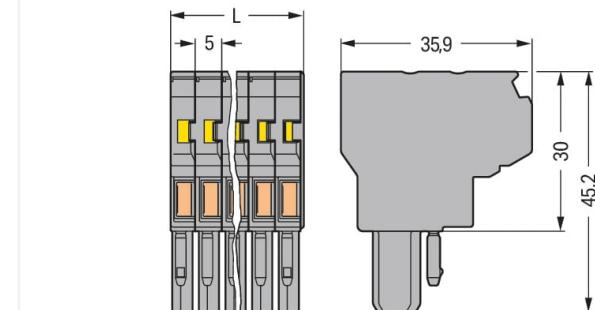


Color: ■ gray

 $L = \text{pole no.} \times \text{module width}$

Dimensions in mm

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		IEC/EN 61984		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	500 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	32 A	-	-	

Connection data

Connection points	18
Total number of potentials	9

Connection 1	
Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Nominal cross-section	4 mm ² / 12 AWG
Solid conductor	0.08 ... 4 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 4 mm ² / 28 ... 12 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Pole number	9
Wiring direction	Front-entry wiring

Physical data

Width	45 mm / 1.772 inches
Height	45.2 mm / 1.78 inches
Depth	35.9 mm / 1.413 inches
Module width	5 mm / 0.197 inches

Mechanical data

Variable coding	Yes
Direct ground contact to DIN-rail/drilled hole/housing	No
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
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.859 MJ
Halogen-free	Yes
Weight	46.8 g

Environmental requirements

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

Commercial data

Product Group	18 (X-COM-System)
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
PU (SPU)	10 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918474221
Customs tariff number	85366990990

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-7626
CCA DEKRA Certification B.V.	EN 61984	2190419.02
CCA DEKRA Certification B.V.	IEC 61984	NL-47799/A1
CSA CSA Group	C22.2	1101144
KEMA/KEUR DEKRA Certification B.V.	EN 60947	2190419.01
UL Underwriters Laboratories Inc.	UL 1977	E 45171
UR Underwriters Laboratories Inc.	UL 1059	E45172

Declarations of conformity and manufacturer's declarations

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

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Shipping	EN 60947	20-HG1941090-PDA

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 769-129



Documentation

Additional Information

Technical Section

pdf
2240.62 KB

Bid Text

769-129

19.02.2019

xml
3.21 KB

769-129

04.10.2017

doc
25.50 KB

CAD/CAE-Data

CAD data

2D/3D Models 769-129



CAE data

EPLAN Data Portal
769-129WSCAD Universe
769-129

ZUKEN Portal 769-129



1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

[Item No.: 216-301](#)Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow[Item No.: 216-302](#)Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise[Item No.: 216-201](#)Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white[Item No.: 216-101](#)Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored[Item No.: 216-202](#)Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray[Item No.: 216-102](#)Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored[Item No.: 216-203](#)Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red[Item No.: 216-103](#)Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated[Item No.: 216-204](#)Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black[Item No.: 216-104](#)Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored[Item No.: 216-206](#)Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; blue

1.1.2 Insulation stop

1.1.2.1 Insulation stop

[Item No.: 769-470](#)Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white[Item No.: 769-471](#)Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray[Item No.: 769-472](#)Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray

1.1.3 Jumper

1.1.3.1 Jumper

[Item No.: 280-402](#)

Jumper; insulated; gray

[Item No.: 780-452](#)

Staggered jumper; from 1 to 2; insulated; gray

[Item No.: 780-453](#)

Staggered jumper; from 1 to 3; insulated; gray

[Item No.: 780-454](#)

Staggered jumper; from 1 to 4; insulated; gray

[Item No.: 780-455](#)

Staggered jumper; from 1 to 5; insulated; gray

[Item No.: 780-456](#)

Staggered jumper; from 1 to 6; insulated; gray

[Item No.: 780-457](#)

Staggered jumper; from 1 to 7; insulated; gray

[Item No.: 780-458](#)

Staggered jumper; from 1 to 8; insulated; gray

1.1.4 Locking system

1.1.4.1 Locking system

**Item No.: 769-430**

Locking lever; for female connectors; 1 part; Pin spacing 5 mm; 2-pole; gray

Item No.: 769-431

Locking lever; for female connectors; 1 part; Pin spacing 5 mm; 2-pole; orange

1.1.5 Marking

1.1.5.1 Marker

**Item No.: 2009-145**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

Item No.: 248-501

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

1.1.6 Protective warning marker

1.1.6.1 Cover

**Item No.: 280-415**

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

1.1.7 Strain relief

1.1.7.1 Strain relief

**Item No.: 769-413**

Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 6- to 9-pole; gray

1.1.8 Test and measurement

1.1.8.1 Testing accessories

**Item No.: 210-136**

Test plug; 2 mm Ø; with 500 mm cable; red

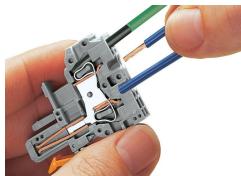
Installation Notes



2-conductor female plugs

- Common signals from one subassembly to the other (bus structure)
- Can be used as a T-wire branch tap connection (e.g. for lighting wiring)
- Enable a higher number of connection possibilities

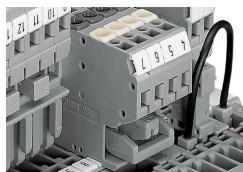
Conductor termination



CAGE CLAMP® connection

Female plug: Inserting/removing a conductor via operating tool.
Operation 90° to conductor is also possible.
With ferruled conductors, it is necessary to use a terminal block one size smaller than the conductor's nominal cross-section.

Commoning



Commoning a 2-conductor female plug via staggered jumper and carrier terminal blocks via adjacent jumpers.

Commoning options of female plugs:

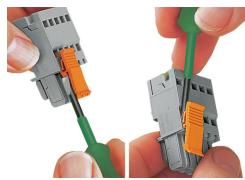
- After removal, commoned potentials still remain commoned
- Use of plug-in jumpers instead of additional wired jumpers
- Can be used as a "hardware" key for safety lockout
- Can also be used as a commoning jumper for sensor circuits or machine programming

Coding



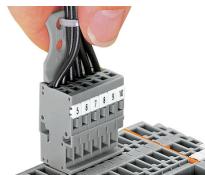
Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.

Locking system



Locking/releasing a lever.

Strain relief



Removing a female plug via conductor bundle provided with strain relief plate.

Marking



Labeling a female plug with CAGE CLAMP® connection via Mini-WSB Quick Markers.