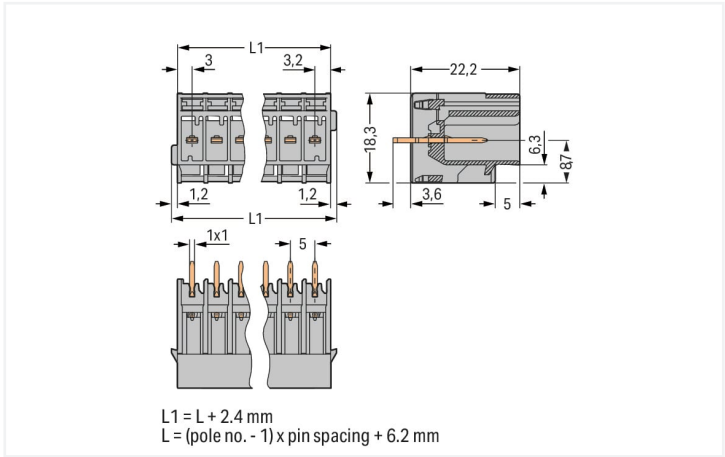




Color: ■ gray

Similar to illustration



Dimensions in mm

Electrical data

Ratings per IEC/EN	
Nominal voltage (III/3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated voltage (III/2)	500 V
Rated surge voltage (III/2)	4 kV
Rated current	32 A
Legend (ratings)	(III / 3) △ Overvoltage category III / Pollution degree 3

Connection data

Total number of potentials	15	Connection 1	
Number of levels	1	Pole number	15
Preceding contacts	No		

Physical data

Pin spacing	5 mm / 0.197 inches
Width	78.6 mm / 3.094 inches
Height from the surface	22.2 mm / 0.874 inches
Depth	18.3 mm / 0.72 inches

Mechanical data

Variable coding	Yes
Mounting type	PCB
Anti-rotation protection	Yes



Plug-in connection	
Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCB
Mismating protection	No
Mating direction to the PCB	90 °

PCB contact	
PCB contact	THT

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	0.383 MJ
Weight	14.9 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	27-44-04-02
eCl@ss 9.0	27-44-04-02
ETIM 8.0	EC002637
ETIM 7.0	EC002637
PU (SPU)	25 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918270809
Customs tariff number	85366930000

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates			
General approvals		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 Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Approvals for marine applications



Approval	Standard	Certificate Name
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 769-645

Documentation

Additional Information
Technical Section

pdf
2246.92 KB



Bid Text
769-645
19.02.2019
xml 2.96 KB
769-645
04.10.2017
doc 24.50 KB



CAD/CAE-Data

CAD data
2D/3D Models 769-645



CAE data
ZUKEN Portal 769-645



PCB Design
Symbol and Footprint via SamacSys 769-645
Symbol and Footprint via Ultra Librarian 769-645



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 769-115
1-conductor female connector; CAGE
CLAMP®; 4 mm²; Pin spacing 5 mm; 15-
pole; coding finger; 4,00 mm²; gray

Item No.: 769-115/021-000
1-conductor female connector; CAGE
CLAMP®; 4 mm²; Pin spacing 5 mm; 15-
pole; coding finger; Lateral locking le-
vers; 4,00 mm²; gray

Item No.: 769-135
2-conductor female connector; CAGE
CLAMP®; 4 mm²; Pin spacing 5 mm; 15-
pole; coding finger; 4,00 mm²; gray

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



Item No.: 769-435

Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors; orange

1.2.2 Marking

1.2.2.1 Marking strip

Item No.: 210-833

Marking strips; 25 m on roll; 6 mm wide;
plain; Self-adhesive; white



Item No.: 210-831

Marking strips; on reel; 2.3 mm wide;
plain; Self-adhesive; white



Item No.: 210-832

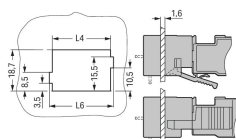
Marking strips; on reel; 3 mm wide; plain;
Self-adhesive; white

Item No.: 210-834

Marking strips; on reel; 5 mm wide; plain;
Self-adhesive; white

Installation Notes

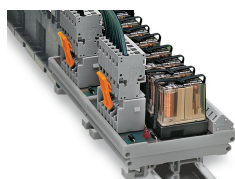
Installation



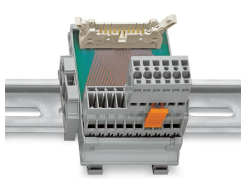
L6 = L4 + 2.6 mm
L4 = pole no. x pin spacing + 1.7 mm

Cutout
Male headers with solder pins

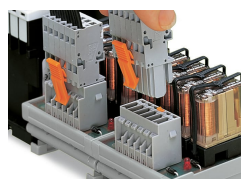
Application



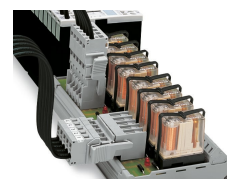
Male headers with straight solder pins and 1-conductor female plugs (picture shows a relay module)



Male headers with solder pins for printed circuit boards



Pluggable PCB connection
Connection to a relay module inside the
switchgear cabinet



Male headers with solder pins
Integrating PCB components into the system wiring.

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

Current addresses can be found at: www.wago.com