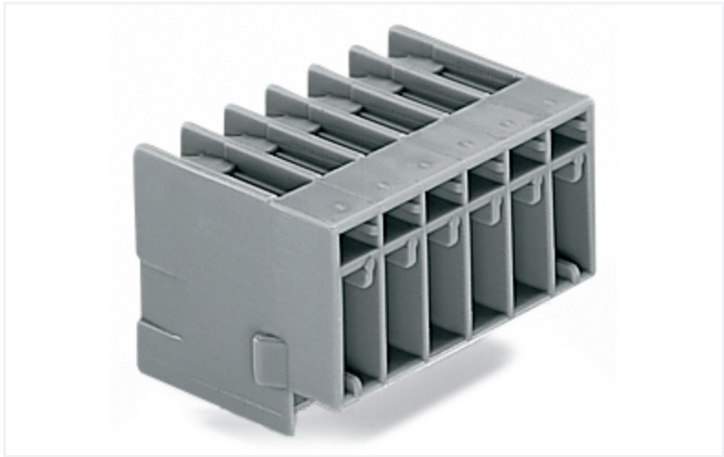
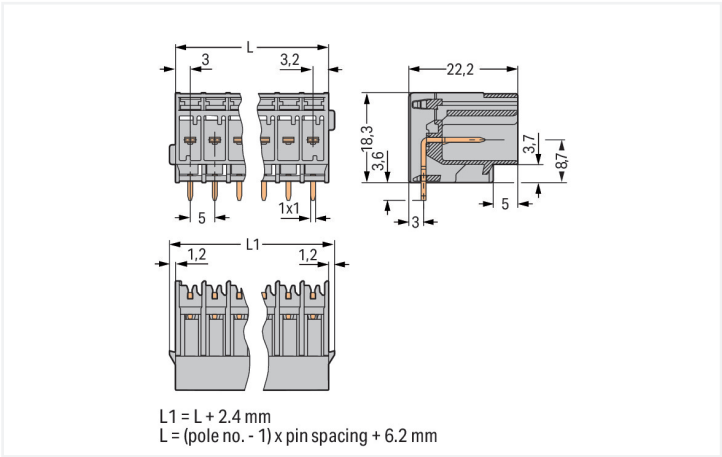




Color: ■ gray

Similar to illustration



Dimensions in mm

Male connector, 769 Series, with 5 mm pin spacing

This male connector (item number 769-662) simplifies electrical installations.

THT is used to solder the pcb connector.

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

Connection Data		
Total number of potentials	2	Connection 1
Number of levels	1	
Preceding contacts	No	
		Pole number
		2

Physical data

Pin spacing	5 mm / 0.197 inches
Width	13.6 mm / 0.535 inches
Height from the surface	18.3 mm / 0.72 inches
Depth	22.2 mm / 0.874 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	0 °

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	0.054 MJ
Weight	2.6 g

Environmental requirements

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

Commercial data

Product Group	18 (X-COM-System)
PU (SPU)	200 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918396493
Customs tariff number	85366930000



Product Classification	
UNSPSC	39121409
ETIM 9.0	EC002637
ETIM 10.0	EC002637
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7626	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 61984	2190419.02	Railway WAGO GmbH & Co. KG	-	Z00004428.000
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 1059	E45172			
UL Underwriters Laboratories Inc.	UL 1977	E 45171			

Approvals for marine applications

Approval	Standard	Certificate Name
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2
PRS Polski Rejestr Statków	-	TE/1094/880590/23



Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance 769-662			

Documentation

Bid Text			
769-662	19.02.2019	xml 2.97 KB	
769-662	04.10.2017	doc 24.50 KB	

CAD/CAE-Data

CAD data	
2D/3D Models 769-662	

CAE data	
ZUKEN Portal 769-662	

PCB Design	
Symbol and Footprint via SamacSys 769-662	
Symbol and Footprint via Ultra Librarian 769-662	

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 769-102](#)
1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 2-pole; coding finger; 4,00 mm²; gray



[Item No.: 769-102/021-000](#)
1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 2-pole; coding finger; Lateral locking levers; 4,00 mm²; gray



[Item No.: 769-122](#)
2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 2-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



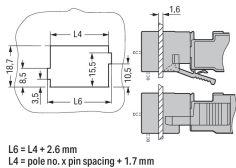
Item No.: 210-832
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white



Item No.: 210-834
Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

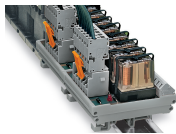
Installation Notes

Installation

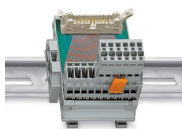


Cutout
Male headers with solder pins

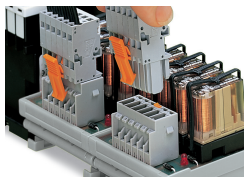
Application



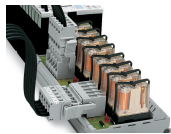
Male headers with straight solder pins and 1-conductor female plugs (picture shows a relay module)



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.