

Data Sheet | Item Number: 769-662

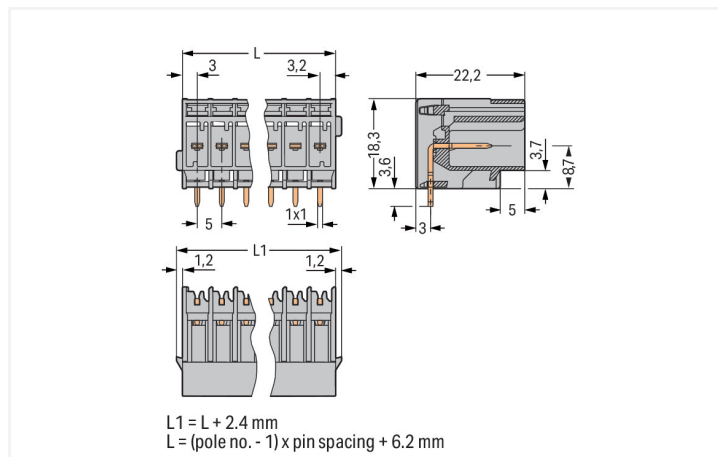
THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 2-pole; gray

<https://www.wago.com/769-662>



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) $\triangleq$ Overvoltage category III / Pollution degree 3

Connection Data

Total number of potentials	2
Number of levels	1
Preceding contacts	No

Connection 1

Pole number	2
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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		0.05 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 Conformity 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, Germanischer Lloyd	-	TAE00001V2
PRS Polski Rejestr Statków	-	TE/1094/880590/23

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 769-662

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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

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CAE data

ZUKEN Portal 769-662

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PCB Design

Symbol and Footprint via SamacSys 769-662

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Symbol and Footprint via Ultra Librarian 769-662

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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



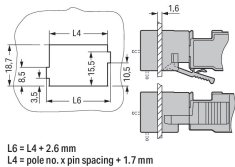
Item No.: 210-832
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white



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

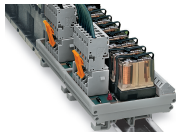
Installation Notes

Installation

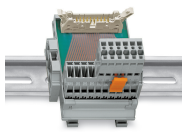


Cutout
Male headers with solder pins

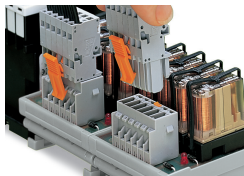
Application



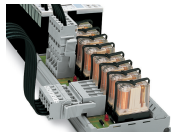
Male headers with straight solder pins and 1-conductor female plugs (picture shows a relay module)



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.