

Data Sheet | Item Number: 769-672

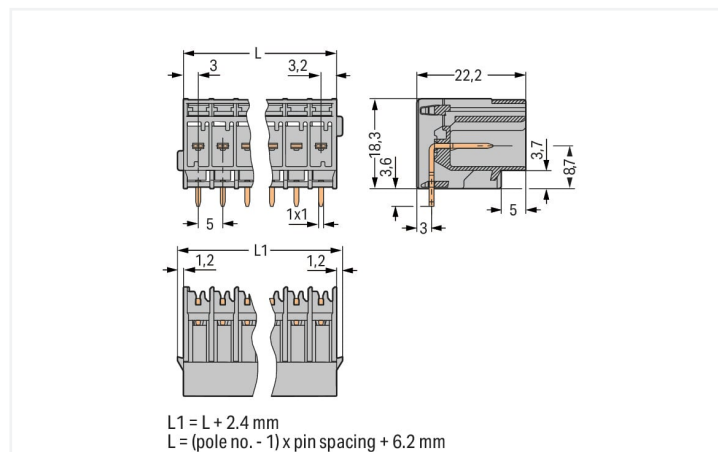
THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 12-pole; gray

<https://www.wago.com/769-672>



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 impulse 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	12
Number of levels	1
Preceding contacts	No

Connection 1

Pole number	12
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Physical data

Pin spacing	5 mm / 0.197 inches
Width	63.6 mm / 2.504 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	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.32 MJ
Weight	13 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	4044918397186
Customs tariff number	85366930000

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

General approvals		
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 769-672



Documentation

Additional Information
Technical Section

pdf
2240.62 KB



Bid Text			
769-672	19.02.2019	xml 2.97 KB	
769-672	04.10.2017	doc 25.00 KB	



CAD/CAE-Data

CAD data
2D/3D Models 769-672



CAE data
ZUKEN Portal 769-672



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 769-112
1-conductor female connector; CAGE
CLAMP®; 4 mm²; Pin spacing 5 mm; 12-
pole; coding finger; 4,00 mm²; gray

Item No.: 769-112/021-000
1-conductor female connector; CAGE
CLAMP®; 4 mm²; Pin spacing 5 mm; 12-
pole; coding finger; Lateral locking le-
vers; 4,00 mm²; gray

Item No.: 769-132
2-conductor female connector; CAGE
CLAMP®; 4 mm²; Pin spacing 5 mm; 12-
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



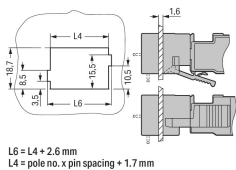
Item No.: 210-832
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white



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

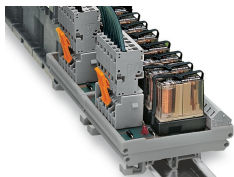
Installation Notes

Installation

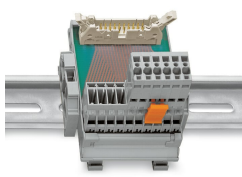


Cutout
Male headers with solder pins

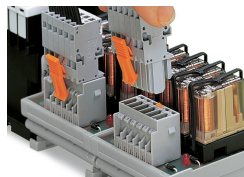
Application



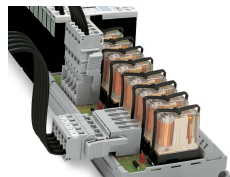
Male headers with straight solder pins and 1-conductor female plugs (picture shows a relay module)



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.