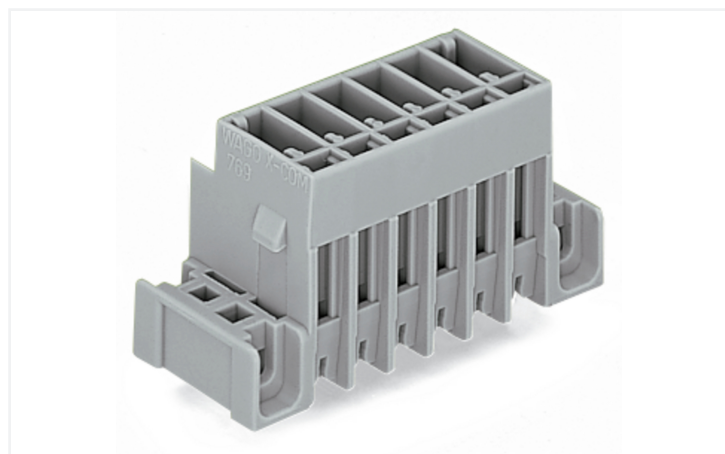
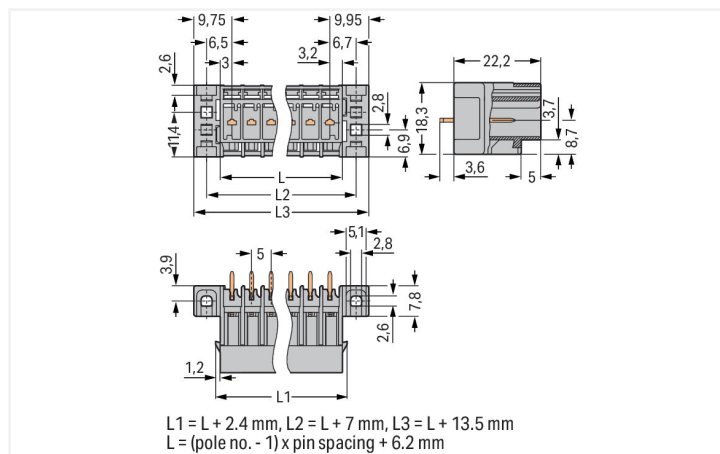


<https://www.wago.com/769-642/003-000>



Similar to illustration



Dimensions in mm

Error-free electrical installations are guaranteed with this male connector (item number 769-642/003-000).

THT is used to solder the pcb connector.

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

Total number of potentials	12
Number of levels	1
Preceding contacts	No

Pole number	12
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Physical data

Pin spacing	5 mm / 0.197 inches
Width	74.7 mm / 2.941 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	Mounting flange
Anti-rotation protection	Yes
Suitable for through-panel applications	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
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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	0.274 MJ
Weight	12.7 g

Environmental requirements

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

Commercial data

Product Group	18 (X-COM-System)
PU (SPU)	25 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918270786
Customs tariff number	85366930000



Product Classification		
UNSPSC		39121409
eCl@ss 10.0		27-44-04-02
eCl@ss 9.0		27-44-04-02
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



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 1059	E45172
UL Underwriters Laboratories Inc.	UL 1977	E 45171

Declarations of conformity and manufacturer's declarations



Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
Railway WAGO GmbH & Co. KG	-	Z00004428.000

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
769-642/003-000

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Documentation

Bid Text

769-642/003-000	19.02.2019	xml 3.01 KB	↓
769-642/003-000	04.10.2017	doc 25.00 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models
769-642/003-000

↓

CAE data

ZUKEN Portal
769-642/003-000

↓

PCB Design

Symbol and Footprint
via SamacSys
769-642/003-000

↓

Symbol and Footprint
via Ultra Librarian
769-642/003-000

↓

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 levers; 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



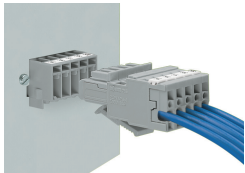
Item No.: 210-832
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white



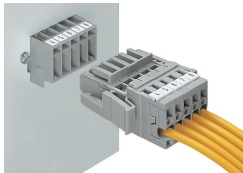
Item No.: 210-834
Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

Installation Notes

Application



Male header with mounting flanges
1-conductor female plug with bottom-mount locking levers



Male header with mounting flanges
1-conductor female plug with lateral locking levers