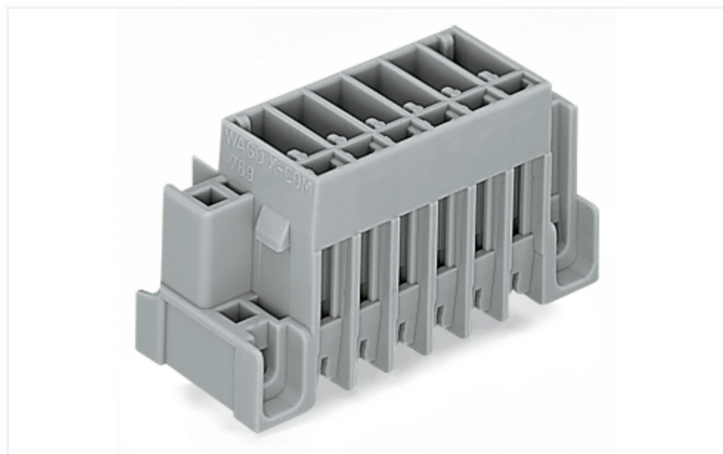
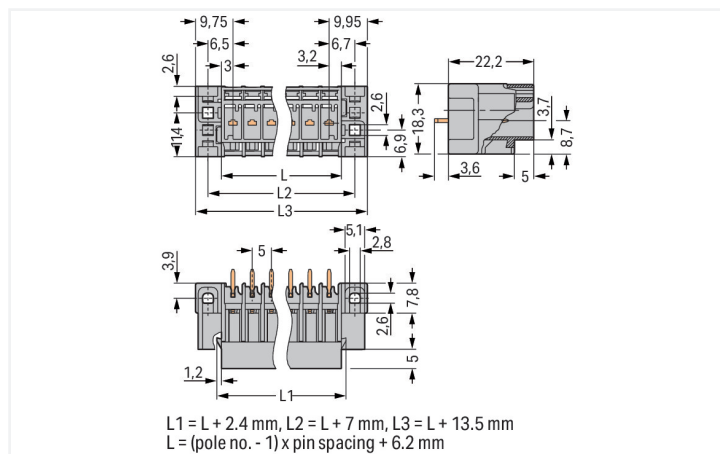


<https://www.wago.com/769-643/004-000>



Similar to illustration



Dimensions in mm

The pcb connector is designed for THT soldering.

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) ≙ Overvoltage category III / Pollution degree 3

Total number of potentials	13
Number of levels	1
Preceding contacts	No

Pole number	13
-------------	----

Physical data

Pin spacing	5 mm / 0.197 inches
Width	79.7 mm / 3.138 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	Feedthrough 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
-------------	-----

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	0.307 MJ
Weight	14.1 g

Environmental requirements

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

Commercial data

Product Group	18 (X-COM-System)
PU (SPU)	15 pcs
Packaging type	Box
Country of origin	PL
GTIN	4017332412834
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
769-643/004-000

↓

Documentation

Bid Text

769-643/004-000	19.02.2019	xml 3.01 KB	↓
769-643/004-000	04.10.2017	doc 25.00 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models
769-643/004-000

↓

CAE data

ZUKEN Portal
769-643/004-000

↓

PCB Design

Symbol and Footprint
via SamacSys
769-643/004-000

↓

Symbol and Footprint
via Ultra Librarian
769-643/004-000

↓

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 769-113 1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; coding finger; 4,00 mm²; gray	Item No.: 769-113/021-000 1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; coding finger; Lateral locking levers; 4,00 mm²; gray	Item No.: 769-133 2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-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

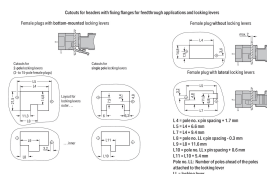
Marking strips; on reel; 3 mm wide; plain;
Self-adhesive; white

Item No.: 210-834

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

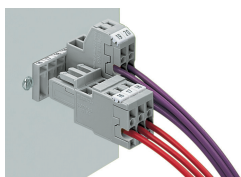
Installation Notes

Installation

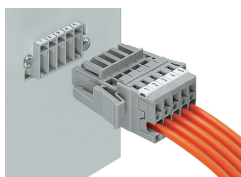


Cutouts for male headers with feed-through flanges and locking levers

Application



Header with straight or right angle solder pins and mounting flanges
1-connector female plug, straight
2-conductor female plug



Male header and 1-conductor female plug
with lateral locking levers