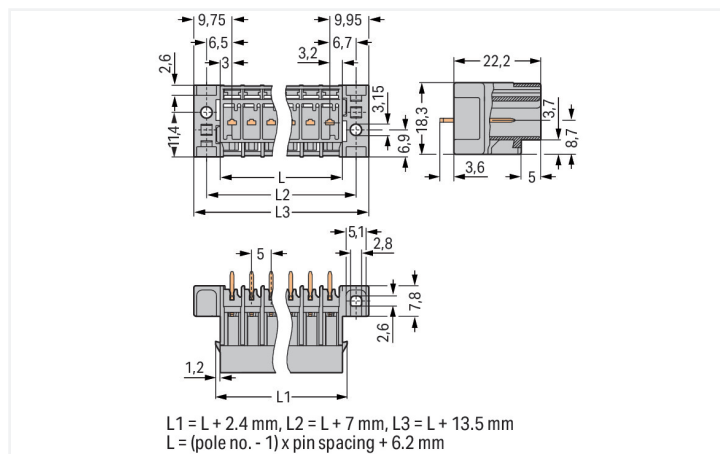
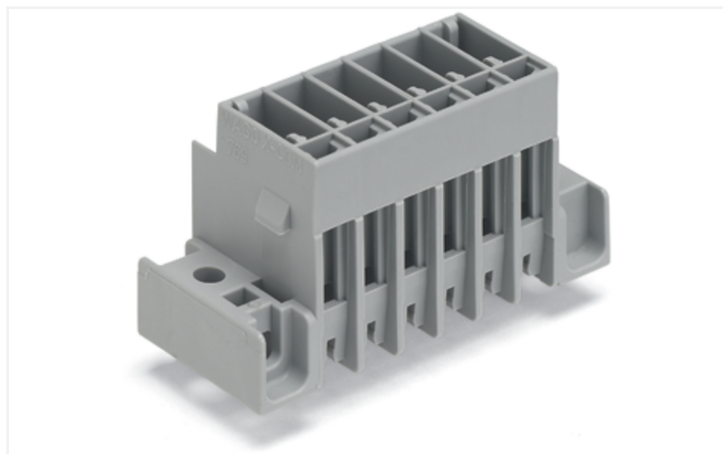


Data Sheet | Item Number: 769-643/007-000
THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 13-pole; gray

Data Sheet | Item Number: 769-643/007-000
THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 13-pole; gray

<https://www.wago.com/769-643/007-000>



Similar to illustration

Dimensions in mm

Male connector, 769 Series, gray

Our male connector (item number 769-643/007-000) is designed for seamless electrical installations.

The pcb connector is designed for THT soldering.

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) ≙ Overvoltage category III / Pollution degree 3

Connection Data

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

Connection 1

Pole number	13
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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	Rivet 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	0.305 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	4050821477112
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			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CSA CSA Group	C22.2	1101144	Railway WAGO GmbH & Co. KG	-	Z00004428.000
UL Underwriters Laboratories Inc.	UL 1059	E45172			
UL Underwriters Laboratories Inc.	UL 1977	E 45171			

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 769-643/007-000	

Documentation

Bid Text			
769-643/007-000	19.02.2019	xml 3.01 KB	
769-643/007-000	04.10.2017	doc 25.00 KB	



CAD/CAE-Data	
CAD data 2D/3D Models 769-643/007-000 ↓	CAE data ZUKEN Portal 769-643/007-000 ↓

PCB Design	
Symbol and Footprint via SamacSys 769-643/007-000 ↓	Symbol and Footprint via Ultra Librarian 769-643/007-000 ↓

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
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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

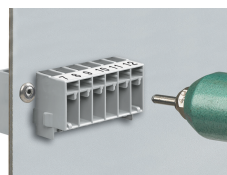
1.2.2 Marking
1.2.2.1 Marking strip



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
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Installation Notes

Installation



Mounting with 3 mm Ø blind rivets