

Data Sheet | Item Number: 733-333

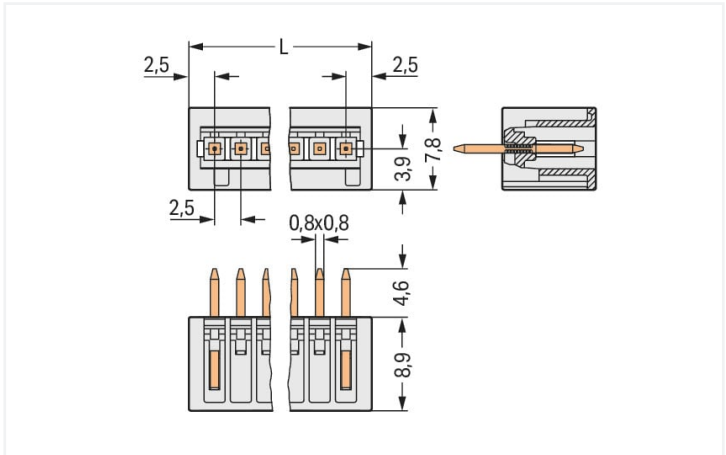
THT male header; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; Pin spacing 2.5 mm; 3-pole; light gray

<https://www.wago.com/733-333>

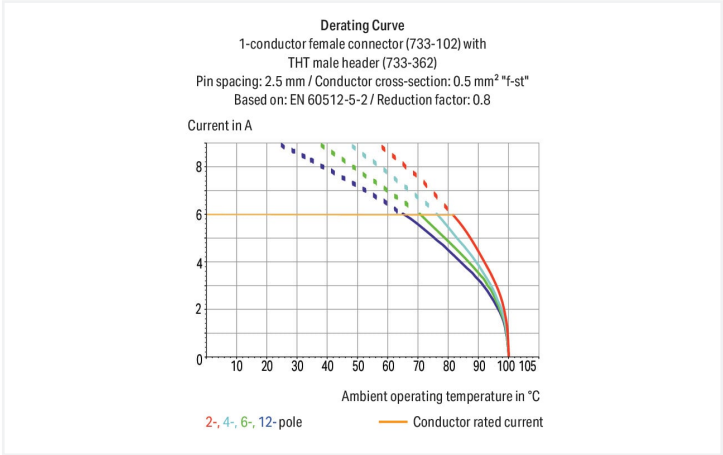


Color: ■ light gray

Similar to illustration



Dimensions in mm
L = (pole no. + 1) x pin spacing



- 100% protected against mismatching; only mating halves with the same pole number can be connected
- Coding option available

Notes

Safety information

Variants:

The MCS – MULTI CONNECTION SYSTEM includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected/disconnected when live or under load. When used as intended, these connectors must not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

Other pole numbers
3.8 mm pin projection for male headers with straight solder pins
Gold-plated or partially gold-plated contact surfaces
Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

Electrical data				
Ratings per		IEC/EN 60664-1		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		80 V	160 V	320 V
Rated surge voltage		2.5 kV	2.5 kV	2.5 kV
Rated current		6 A	6 A	6 A
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		150 V	-	-
Rated current		4 A	-	-



Approvals per		CSA	
Use group	B	C	D
Rated voltage	150 V	-	-
Rated current	4 A	-	-

Connection data			
Total number of potentials	3	Connection 1	
Number of connection types	1	Pole number	3
Number of levels	1		

Physical data		
Pin spacing	2.5 mm / 0.098 inches	
Width	10 mm / 0.394 inches	
Height	13.5 mm / 0.531 inches	
Height from the surface	8.9 mm / 0.35 inches	
Depth	7.8 mm / 0.307 inches	
Solder pin length	4.6 mm	
Solder pin dimensions	0.8 x 0.8 mm	
Drilled hole diameter with tolerance	1.1 ^(+0.1) mm	

Mechanical data		
Variable coding	Yes	
Anti-rotation protection	Yes	

Plug-in connection		
Contact type (pluggable connector)	Male connector/plug	
Connector (connection type)	for PCB	
Mismating protection	Yes	
Mating direction to the PCB	90 °	

PCB contact		
PCB contact	THT	
Solder pin arrangement	over the entire male connector (in-line)	
Number of solder pins per potential	1	

Material data		
Note (material data)	Information on material specifications can be found here	
Color	light gray	
Material group	I	
Insulation material	Polyamide (PA66)	
Flammability class per UL94	V0	
Contact material	Electrolytic copper (E _{Cu})	
Contact plating	Tin	
Fire load	0.009 MJ	
Weight	0.5 g	



Environmental requirements	
Limit temperature range	-60 ... +100 °C
Processing temperature	-35 ... +60 °C

Commercial data	
Product Group	3 (Multi Conn. 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)	200 pcs
Packaging type	Box
Country of origin	CN
GTIN	4050821035602
Customs tariff number	85366930000

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 61984	2169534.01	Railway WAGO GmbH & Co. KG	-	Railway Ready
CCA DEKRA Certification B.V.	IEC 61984	NL-31141			
CSA DEKRA Certification B.V.	C22.2	1465035			
UL UL International Germany GmbH	UL 1977	E45171			
UR Underwriters Laboratories Inc.	UL 1059	E45172			

Approvals for marine applications

  		
Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	19-HG1869876-PDA
DNV DNV GL SE	-	TAE000016Z
LR Lloyds Register	IEC 61984	96/20035 (E5)



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 733-333

Download icon

Documentation

Additional Information

Technical Section

03.04.2019

pdf

2010.85 KB

Download icon

CAD/CAE-Data

CAD data

2D/3D Models 733-333

Download icon

CAE data

EPLAN Data Portal 733-333

Download icon

ZUKEN Portal 733-333

Download icon

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket

Item No.: 733-103
1-conductor female connector; CAGE CLAMP®; 0.5 mm²; Pin spacing 2.5 mm; 3-pole; 100% protected against mismatching; 0,50 mm²; light gray

Item No.: 733-103/037-000
1-conductor female connector; CAGE CLAMP®; 0.5 mm²; Pin spacing 2.5 mm; 3-pole; 100% protected against mismatching; Lateral locking levers; 0,50 mm²; light gray

1.2 Optional Accessories

1.2.1 Coding

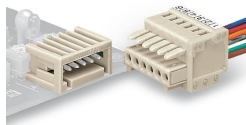
1.2.1.1 Coding

Item No.: 733-331
Coding key; snap-on type; black

Item No.: 733-330
Coding key; snap-on type; white

Installation Notes

Mismating protection



Male headers and female connectors are 100% protected against mismating. Only mating halves with the same pole number can be connected.

Coding



Coding a male header – fitting coding key (s).