

Data Sheet | Item Number: 734-233

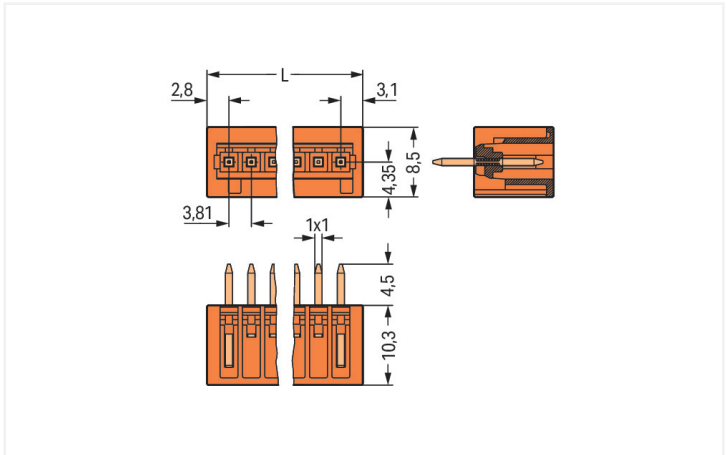
THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Pin spacing 3.81 mm; 3-pole; orange

<https://www.wago.com/734-233>

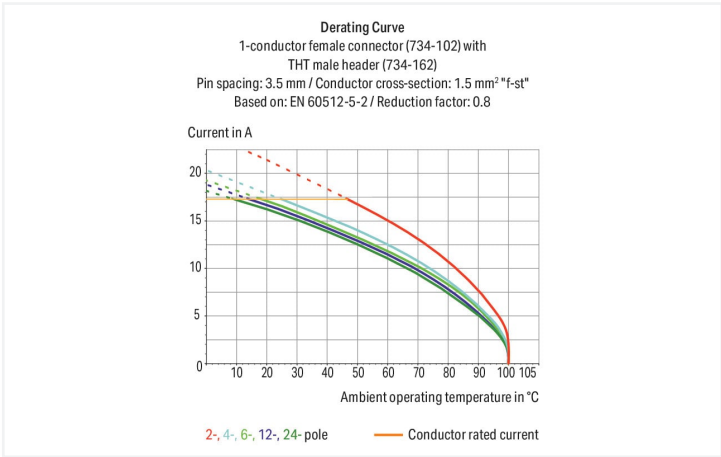


Color: ■ orange

Similar to illustration



Dimensions in mm
 $L = (\text{pole no.} - 1) \times \text{pin spacing} + 5.9 \text{ mm}$



- Horizontal or vertical PCB mounting via straight or angled solder pins
- 100% protected against mismatching; only mating halves with the same number of poles can be connected together
- Coding option available

Notes			
Safety information		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.	
Variants:		Other pole numbers 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	II
Pollution degree		3	2
Nominal voltage		160 V	320 V
Rated surge voltage		2.5 kV	2.5 kV
Rated current		10 A	10 A
Approvals per		UL 1059	
Use group		B	D
Rated voltage		300 V	300 V
Rated current		10 A	10 A



Approvals per		CSA	
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	10 A	-	10 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		3.81 mm / 0.15 inches
Width		13.52 mm / 0.532 inches
Height		14.8 mm / 0.583 inches
Height from the surface		10.3 mm / 0.406 inches
Depth		8.5 mm / 0.335 inches
Solder pin length		4.5 mm
Solder pin dimensions		1 x 1 mm
Drilled hole diameter with tolerance		1.4 (+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		orange
Material group		I
Insulation material		Polyamide (PA66)
Flammability class per UL94		V0
Contact material		Electrolytic copper (E _{Cu})
Contact plating		Tin
Fire load		0.015 MJ
Weight		0.8 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	DE
GTIN	4044918847841
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
CB DEKRA Certification B.V.	EN 61984	NL-54190	Railway WAGO GmbH & Co. KG	-	Railway Ready
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-105522			
UL Underwriters Laboratories Inc.	UL 1977	E 45171			

Approvals for marine applications

		
Approval	Standard	Certificate Name
DNV DNV GL SE	-	TAE000016Z
LR Lloyds Register	IEC 61984	96/20035 (E5)

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 734-233

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Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB

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CAD/CAE-Data

CAD data

2D/3D Models 734-233

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CAE data

EPLAN Data Portal 734-233

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ZUKEN Portal 734-233

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PCB Design

Symbol and Footprint via SamacSys 734-233

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Symbol and Footprint via Ultra Librarian 734-233

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1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket

Item No.: 734-203
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 3-pole; 100% protected against mismatching; 1,50 mm²; orange

Item No.: 734-203/037-000
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 3-pole; 100% protected against mismatching; Lateral locking levers; 1,50 mm²; orange

Item No.: 2734-203
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 3-pole; 100% protected against mismatching; 1,50 mm²; orange

Item No.: 2734-203/031-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 3-pole; 100% protected against mismatching; clamping collar; 1,50 mm²; orange

Item No.: 2734-203/037-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 3-pole; 100% protected against mismatching; Lateral locking levers; 1,50 mm²; orange

Item No.: 734-563
THT female header; angled; Pin spacing 3.81 mm; 3-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; orange

Item No.: 734-563/037-000
THT female header; angled; Pin spacing 3.81 mm; 3-pole; 100% protected against mismatching; Locking lever; 0.9 x 0.9 mm solder pin; orange

Item No.: 734-503
THT female header; straight; Pin spacing 3.81 mm; 3-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; orange

Item No.: 734-503/037-000
THT female header; straight; Pin spacing 3.81 mm; 3-pole; 100% protected against mismatching; Locking lever; 0.9 x 0.9 mm solder pin; orange

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding

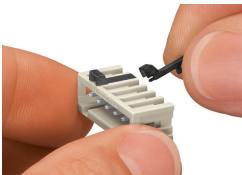


[Item No.: 734-159](#)
Coding key; to be snapped above top level; black

[Item No.: 734-130](#)
Coding key; to be snapped above top level; white

Installation Notes

Coding



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