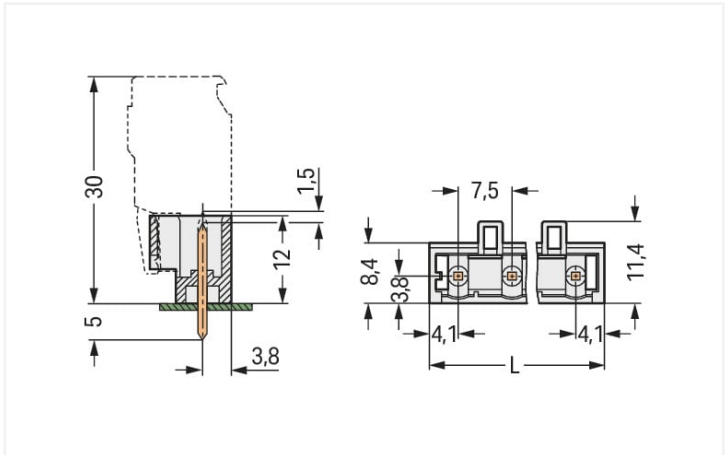


Data Sheet | Item Number: 721-233/001-000
THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Pin spacing 7.5 mm; 3-pole; light gray
<https://www.wago.com/721-233/001-000>

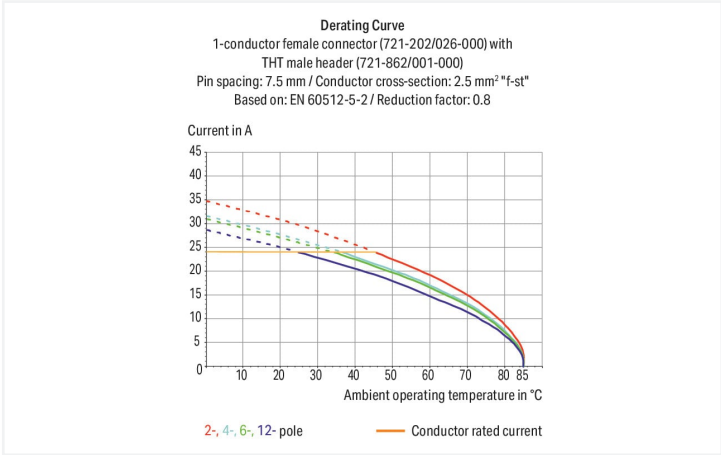


Color: ■ light gray

Similar to illustration



Dimensions in mm
 $L = (\text{pole no.} - 1) \times \text{pin spacing} + 8.2 \text{ mm}$



- Horizontal or vertical PCB mounting via straight or angled solder pins
- Pin cross-section: 1 x 1 mm
- 100 % protected against mismatching
- With coding fingers

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:	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/ . Other pole numbers 3.8 mm pin projection for male headers with straight solder pins



Electrical data				
Ratings per		IEC/EN 60664-1		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	500 V	630 V	1000 V	
Rated surge voltage	6 kV	6 kV	6 kV	
Rated current	12 A	12 A	12 A	
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		15 A	-	10 A
Approvals per		UL 1977		
Rated voltage		600 V		
Rated current		10 A		
Approvals per		CSA		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		15 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	7.5 mm / 0.295 inches			
Width	23 mm / 0.906 inches			
Height	17 mm / 0.669 inches			
Height from the surface	12 mm / 0.472 inches			
Depth	11.4 mm / 0.449 inches			
Solder pin length	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	light gray	
Material group	I	
Insulation material (main housing)	Polyamide (PA66)	
Flammability class per UL94	V0	
Contact material	Electrolytic copper (E _{CU})	
Contact Plating	Tin	
Fire load	0.028 MJ	
Weight	1.4 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	4044918869195	
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.	IEC 61984	NL-39756/A1	Railway WAGO GmbH & Co. KG	-	Railway Ready
CSA DEKRA Certification B.V.	C22.2	1466354			
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-121453			
UR Underwriters Laboratories Inc.	UL 1977	E 45171			
UR Underwriters Laboratories Inc.	UL 1059	E45172			




Approvals for marine applications


		
Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	19-HG1869876-PDA
BV Bureau Veritas S.A.	IEC 60998	11915/D0 BV
DNV DNV GL SE	-	TAE000016Z

Downloads

Environmental Product Compliance



Compliance Search
Environmental Product Compliance 721-233/001-000




Documentation

Additional Information
Technical Section
03.04.2019
pdf 2027.26 KB


CAD/CAE-Data

CAD data
2D/3D Models 721-233/001-000


CAE data
EPLAN Data Portal 721-233/001-000

ZUKEN Portal 721-233/001-000


PCB Design
Symbol and Footprint via SamacSys 721-233/001-000

Symbol and Footprint via Ultra Librarian 721-233/001-000




1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 721-333/031-000
1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray



Item No.: 721-333/008-000
1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 100% protected against mismatching; Snap-in mounting feet; 2,50 mm²; light gray



Item No.: 721-203/026-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 100% protected against mismatching; 2,50 mm²; light gray



Item No.: 721-203/031-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray



Item No.: 721-203/037-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray



Item No.: 2721-203/026-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 100% protected against mismatching; 2,50 mm²; light gray



Item No.: 2721-203/031-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray



Item No.: 2721-203/037-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray



Item No.: 721-2203/037-000
2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray



Item No.: 721-2203/026-000
2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 100% protected against mismatching; with integrated end plate; 2,50 mm²; light gray

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



Item No.: 231-130
Coding key; snap-on type; light gray

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

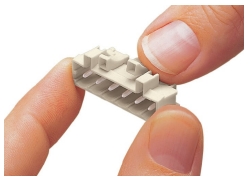


Item No.: 210-834
Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white



Installation Notes

Coding



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