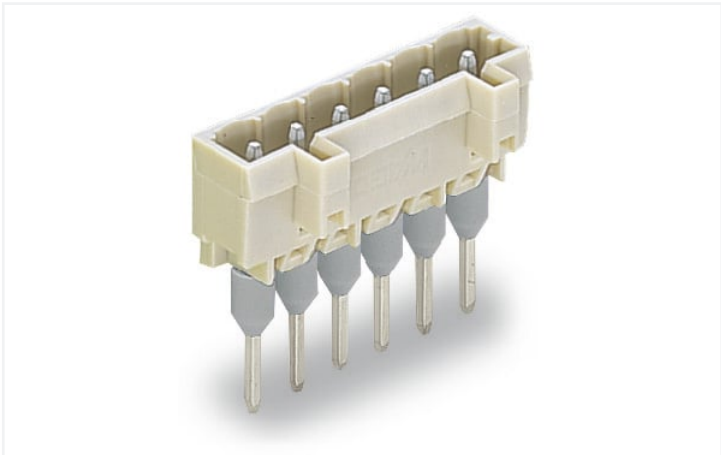
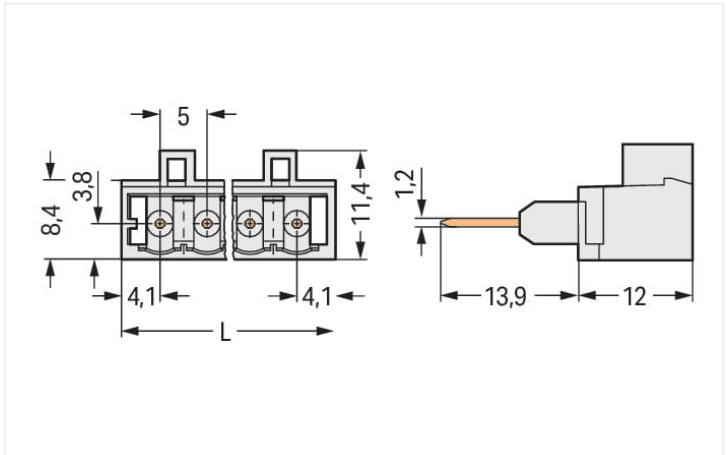


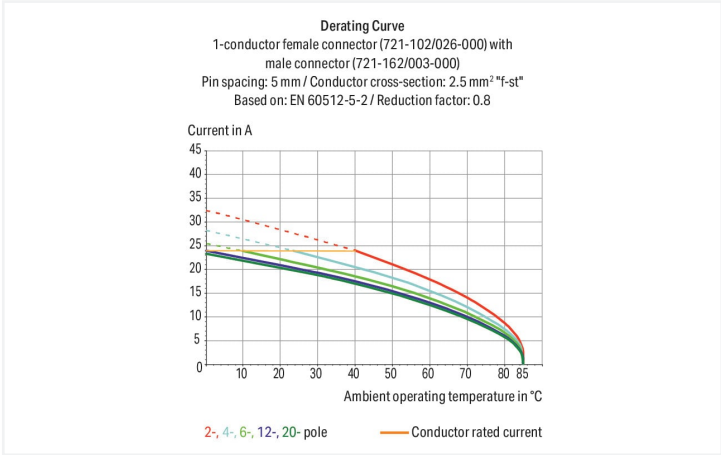
Data Sheet | Item Number: 721-170/003-000
Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 10-pole; light gray
<https://www.wago.com/721-170/003-000>



Color: ■ light gray Similar to illustration



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



- Pluggable connectors for rail-mount terminal blocks equipped with CAGE CLAMP® connection
- Male connectors with long contact pins connect to the termination ports of 280 Series Rail-Mount Terminal Blocks
- Pins can be touched when the connector is unplugged, so power should be supplied via terminal block (observe rated voltage!)
- 100 % protected against mismating
- 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:	Other pole numbers 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	250 V	320 V	630 V	
Rated surge voltage	4 kV	4 kV	4 kV	
Rated current	16 A	16 A	16 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		15 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	10	Connection 1		
Number of connection types	1	Pole number	10	
Number of levels	1			
Physical data				
Pin spacing			5 mm / 0.197 inches	
Width			53.2 mm / 2.094 inches	
Height			25.9 mm / 1.02 inches	
Height from the surface			12 mm / 0.472 inches	
Depth			11.4 mm / 0.449 inches	
Mechanical data				
Variable coding			Yes	
Anti-rotation protection			Yes	
Plug-in connection				
Contact type (pluggable connector)			Male connector/plug	
Connector (connection type)			for front-entry rail-mount terminal block	
Mismating protection			Yes	
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			0.152 MJ	
Weight			5.9 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	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918905848
Customs tariff number	85366930000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals			Approvals for marine applications		
   			  		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-39756/A1	ABS American Bureau of Ship- ping	-	19-HG1869876-PDA
CSA DEKRA Certification B.V.	C22.2	1466354	BV Bureau Veritas S.A.	IEC 60998	11915/D0 BV
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-121453	DNV DNV GL SE	-	TAE000016Z
UL Underwriters Laboratories Inc.	UL 1977	E45171			
UL Underwriters Laboratories Inc.	UL 1059	E45172			

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 721-170/003-000	



Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2010.85 KB	↓

CAD/CAE-Data

CAD data
2D/3D Models 721-170/003-000



CAE data
EPLAN Data Portal 721-170/003-000
ZUKEN Portal 721-170/003-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 721-110/026-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 10-pole; 100% protected against mismatching; 2,50 mm²; light gray

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



Item No.: 231-129
Coding key; snap-on type; light gray

1.2.2 Installation

1.2.2.1 Empty housings



Item No.: 280-902/056-000
Spacer of same profile; suitable for 2-conductor terminal blocks of horizontal type; orange



Item No.: 280-654/056-000
Spacer of same profile; suitable for 3- and 4-conductor terminal blocks of angled type; orange



Item No.: 280-650/056-000
Spacer of same profile; suitable for 3-conductor terminal blocks of horizontal type; orange



Item No.: 280-835/056-000
Spacer of same profile; suitable for 4-conductor terminal blocks of horizontal type; orange



1.2.3 Tool

1.2.3.1 Operating tool



Item No.: 280-440
Operating tool; made of insulating material; 10-way