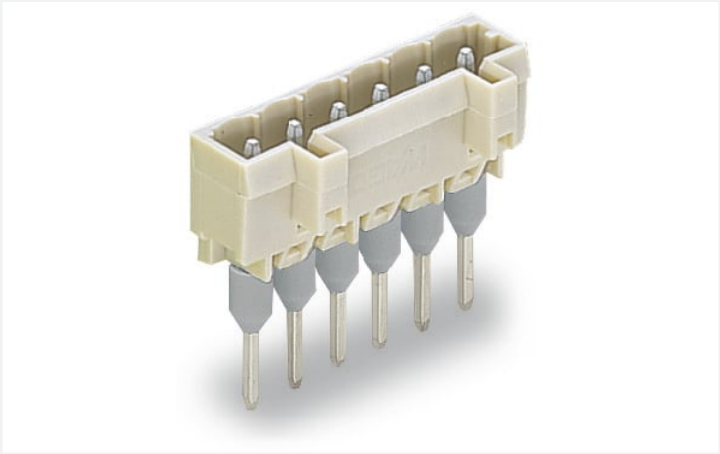
Data Sheet | Item Number: 721-168/003-000

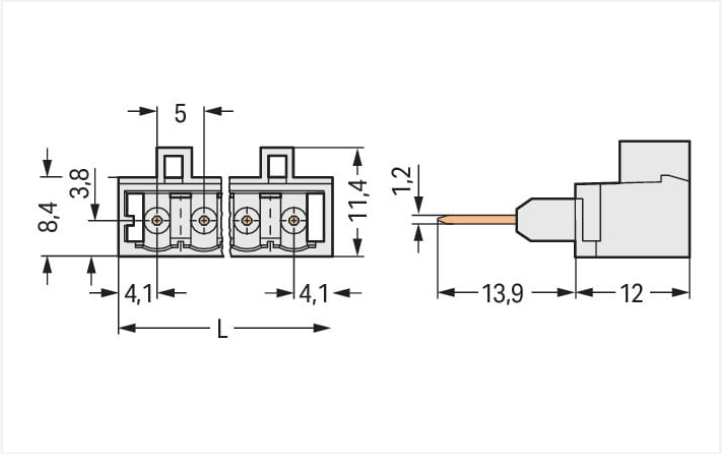
Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 8-pole; light gray

https://www.wago.com/721-168/003-000

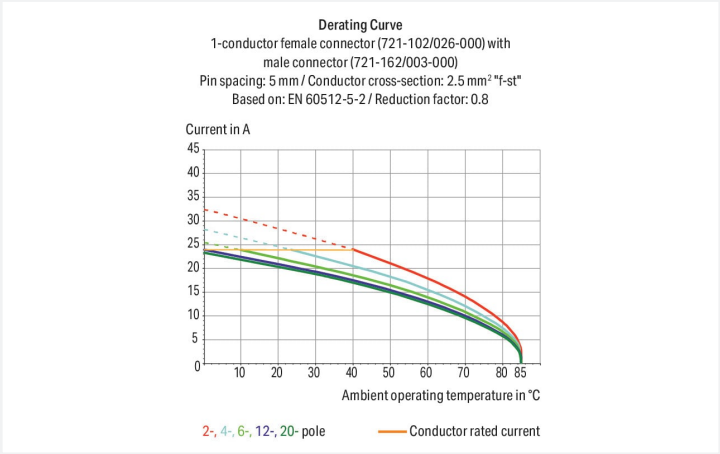


Color: light gray

Similar to illustration



Dimensions in mm
L = (pole no. – 1) x pin spacing + 8.2 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	8
Number of connection types	1
Number of levels	1

Connection 1

Pole number	8

Physical data

Pin spacing	5 mm / 0.197 inches
Width	43.2 mm / 1.701 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	0.122 MJ
Weight	4.7 g

Continued on next page

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	4044918905794
Customs tariff number	85366930000

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-39756/A1
CSA DEKRA Certification B.V.	C22.2	1466354
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-121453
UL Underwriters Laboratories Inc.	UL 1977	E45171

Approvals for marine applications

Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	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 721-168/003-000

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Documentation

Additional Information

Technical Section	03.04.2019	pdf 2010.85 KB

CAD/CAE-Data

CAD data

2D/3D Models
721-168/003-000

CAE data

EPLAN Data Portal
721-168/003-000

ZUKEN Portal
721-168/003-000

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket

Item No.: 721-108/026-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 8-pole; 100% protected against mismating; 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

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1.2.3 Tool

1.2.3.1 Operating tool

Item No.: 280-438
Operating tool; made of insulating material; 8-way