

Data sheet | Item number: 721-172/003-000

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight;
100% protected against mismatching; Pin spacing 5 mm; 12-pole; light gray

www.wago.com/721-172_003-000

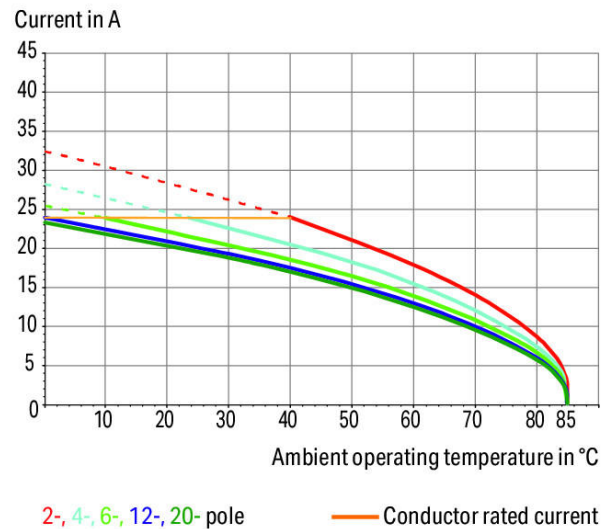


Picture differs from the item.

Color: —

Derating Curve

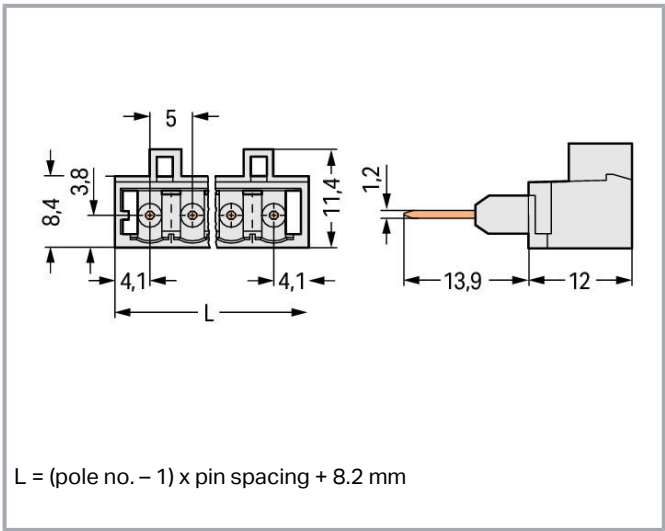
1-conductor female connector (721-102/026-000) with
male connector (721-162/003-000)
Pin spacing: 5 mm / Conductor cross-section: 2.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 0.8



Subject to changes. Please also observe the further product documentation!

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
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Item description

- 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 mismatching
- With coding fingers

Safety information 1:

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. The circuit design should ensure header pins, which can be touched, are not live when unmated.

Data

Electrical data

IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	250 V
Rated surge voltage (III/3)	4 kV
Rated voltage (III/2)	320 V
Rated surge voltage (III/2)	4 kV
Nominal voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV

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Rated current	16 A
Legend (ratings)	(III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2

UL Approvals

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

Ratings per UL

Rated voltage UL 1977	600 V
Rated current UL 1977	15 A

CSA Approvals

Approvals per	CSA
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	15 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

Connection data

Pole No.	12
Total number of potentials	12
Number of connection types	1
Number of levels	1

Physical data

Pin spacing	5 mm / 0.197 inch
Width	63.2 mm / 2.488 inch
Height	25.9 mm / 1.02 inch
Height from the surface	12 mm / 0.472 inch
Depth	11.4 mm / 0.449 inch

Plug-in connection

Contact type (pluggable connector)	Male connector/plug
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Connector (connection type)	for front-entry rail-mount terminal block
Mismating protection	Yes
Locking of plug-in connection	Without

Material data

Color	light gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0.095 MJ
Weight	6.9 g

Environmental requirements

Limit temperature range	-60 ... +85 °C
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Commercial data

Product Group	3 (Multi Conn. System)
Packaging type	BOX
Country of origin	PL
GTIN	4044918905886
Customs tariff number	8536694040

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	-,IEC 61984	NL-39756
	CSA DEKRA Certification B.V.	C22.2	1466354
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	2190761.01

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Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19-HG1869876-PDA
	BV Bureau Veritas S.A.	IEC 60998	11915/D0 BV

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 1977	E45171
	UL Underwriters Laboratories Inc.	UL 1059	20190731-E45172

Counterpart



Item no. 721-112/026-000

1-conductor female connector; 100% protected against mismatching; 2.5 mm²; Pin spacing 5 mm; 12-pole; 2,50 mm²; light graywww.wago.com/721-112/026-000

Optional accessories

Mounting

	Item no.: 280-650/056-000 Spacer of same profile; suitable for 3-conductor terminal blocks of horizontal type; orange	www.wago.com/280-650/056-000
	Item no.: 280-654/056-000 Spacer of same profile; suitable for 3- and 4-conductor terminal blocks of angled type; orange	www.wago.com/280-654/056-000
	Item no.: 280-835/056-000 Spacer of same profile; suitable for 4-conductor terminal blocks of horizontal type; orange	www.wago.com/280-835/056-000

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**Item no.: 280-902/056-000**

Spacer of same profile; suitable for 2-conductor terminal blocks of horizontal type; orange

www.wago.com/280-902/056-000**Tools****Item no.: 280-440**

Operating tool; made of insulating material; 10-way

www.wago.com/280-440**Coding****Item no.: 231-129**

Coding key; snap-on type; light gray

www.wago.com/231-129**Downloads****Documentation****Additional Information**

Technical explanations

Apr 3, 2019

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Installation Notes

Product family

<i>MCS</i> MIDI

Show all products from the family

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