

**Data sheet | Item number: 721-166/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight;  
100% protected against mismatching; Pin spacing 5 mm; 6-pole; light gray



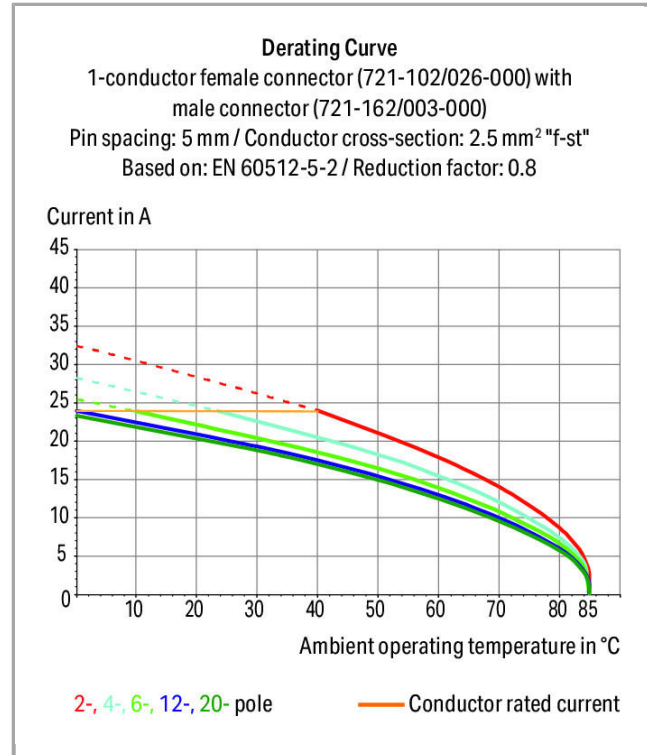
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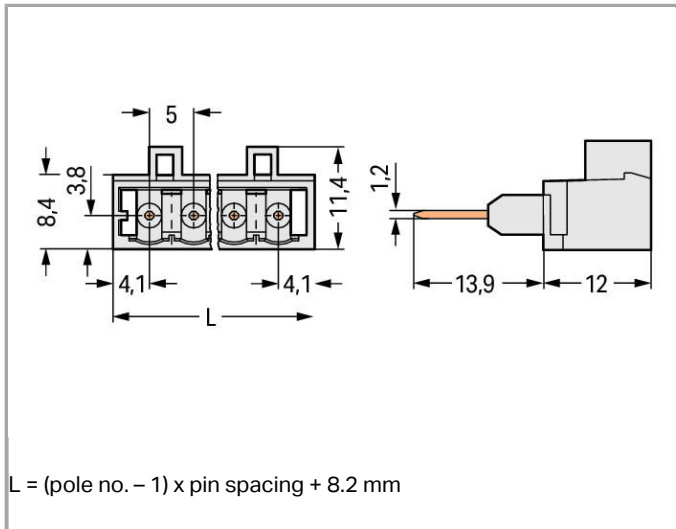


RoHS  Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color:





### 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 *MULTI CONNECTION SYSTEM (MCS)* is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall 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

#### Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV
Rated voltage (III / 2)	320 V
Rated impulse voltage (III / 2)	4 kV
Rated voltage (II / 2)	630 V
Rated impulse voltage (II / 2)	4 kV
Rated current	16 A

#### Approvals per UL 1059

Rated voltage UL (Use Group B)	300 V
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Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group D)	300 V

### Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	15 A

### 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

Total number of potentials	6
Number of connection types	1
Number of levels	1
No. of poles	6

### Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	33.2 mm / 1.307 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 connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for front-entry wiring terminal block
Mismating protection	Yes

### Material Data

Color	light gray
Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact plating	tin-plated
Fire load	0.052 MJ

Weight	3.604 g
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### Environmental Requirements



Limit temperature range	-60 +100 °C
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### Commercial data



Product Group	3 (Multi Conn. System)
Country of origin	PL
GTIN	4044918905725
Customs Tariff No.	85366990990

### Approvals / Certificates


#### Radio-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CSA DEKRA Certification B.V.	C22.2	1466354
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	2190761.01

#### 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

#### Other Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1059	E45172




UR  
UL International Germany GmbH

UL 1977








E45171

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UR UL International Germany GmbH	UL 1977	E45171

Compatible products

General accessories

	<b>Item no.: 280-650/056-000</b> Spacer of same profile; suitable for 3-conductor terminal blocks of horizontal type; orange	/056-000	280-650
	<b>Item no.: 280-654/056-000</b> Spacer of same profile; suitable for 3- and 4-conductor terminal blocks of angled type; orange	/056-000	280-654
	<b>Item no.: 280-835/056-000</b> Spacer of same profile; suitable for 4-conductor terminal blocks of horizontal type; orange	/056-000	280-835
	<b>Item no.: 280-902/056-000</b> Spacer of same profile; suitable for 2-conductor terminal blocks of horizontal type; orange	/056-000	280-902
	<b>Item no.: 722-206/026-000</b> 1-conductor female plug; angled; 100% protected against mismatching; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 6-pole; 2,50 mm <sup>2</sup> ; light gray	/026-000	722-206
<b>tools</b>			
	<b>Item no.: 280-436</b> Operating tool; of insulating material; 6-way		280-436
<b>Coding</b>			
	<b>Item no.: 231-129</b> Coding key; snap-on type; light gray		231-129

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf	Download
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3.6 MB

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### CAD/CAE - Smart Data

#### CAD data

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#### EPLAN

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Subject to changes.

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