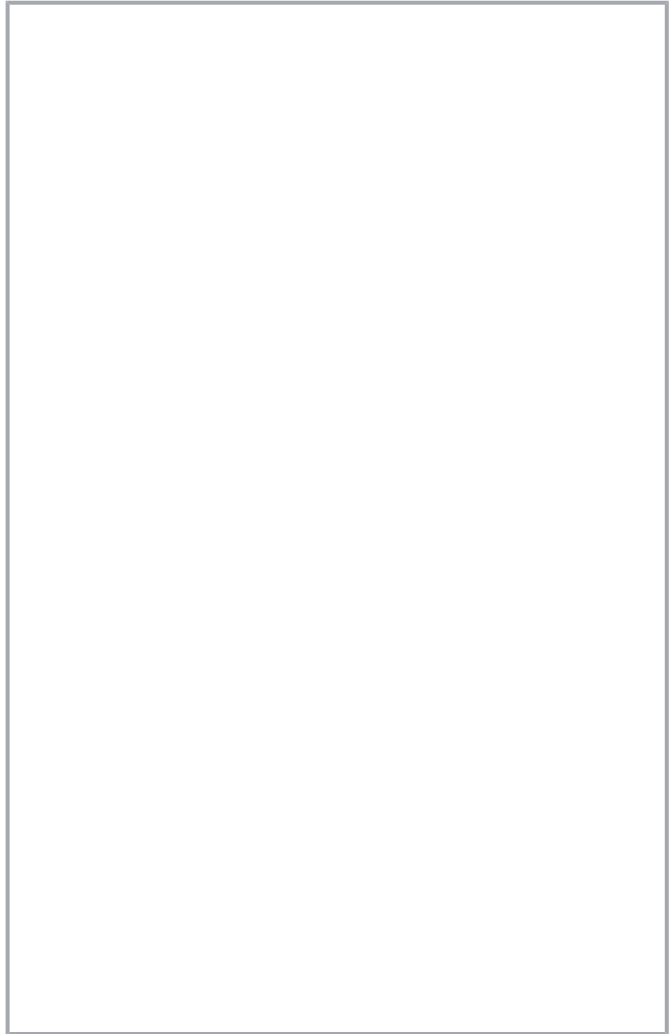
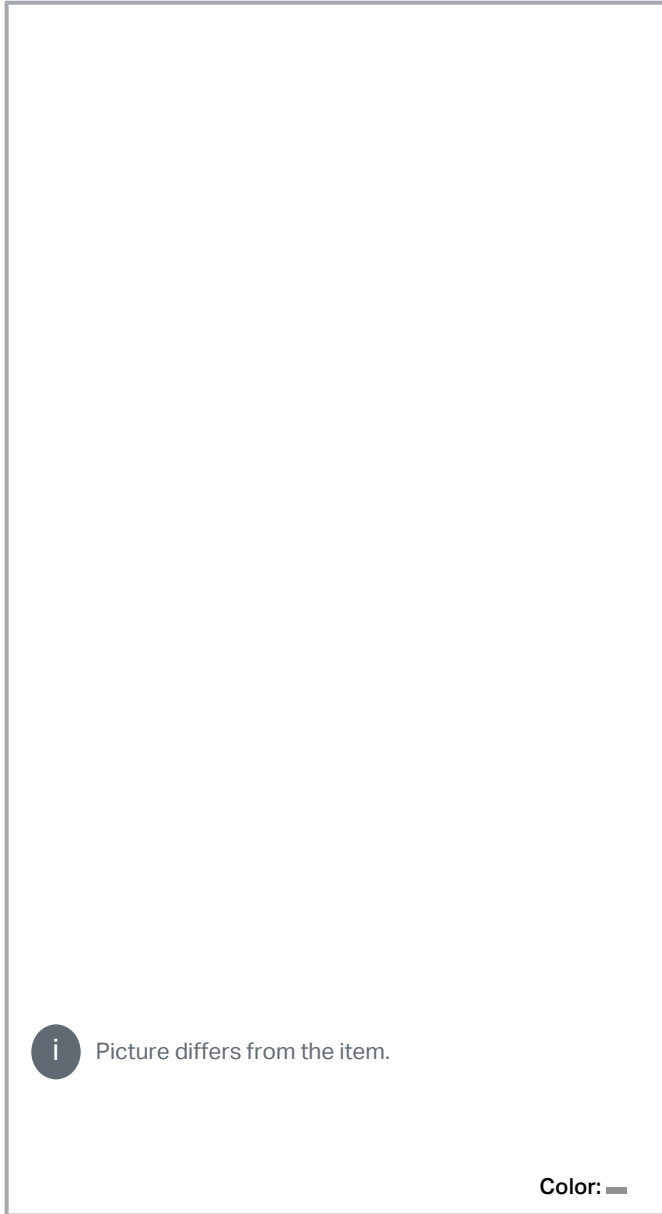


Data sheet | Item number: 231-169/003-000

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight;
Pin spacing 5 mm; 9-pole; gray

www.wago.com/231-169/003-000



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

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Dimensions in mm

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

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 supply should be performed via terminal block (observe rated voltage!)
- With coding fingers

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Data Notes

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. 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

Ratings per	IEC/EN 60664-1
Nominal 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
Nominal voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV
Rated current	16 A
Legend (ratings)	(III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2

Ratings per UL

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

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Ratings per CSA

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	9
Number of connection types	1
Number of levels	1

Connection 1

Pole number	9
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Physical data

Pin spacing	5 mm / 0.197 inch
Width	48.2 mm / 1.898 inch
Height	25.9 mm / 1.02 inch
Height from the surface	12 mm / 0.472 inch
Depth	8.4 mm / 0.331 inch

Mechanical data

Variable coding	Yes
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Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for front-entry rail-mount terminal block
Mismating protection	No
Locking of plug-in connection	none

Material data

Note (material data)	Information on material data can be found here
Color	gray
Material group	I

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



Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{Cu})
Contact plating	Tin
Fire load	0.069 MJ
Weight	5.2 g

Environmental requirements

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

Product Group	3 (Multi Conn. System)
PU (SPU)	100 Stück
Packaging type	box
Country of origin VKOrg Germany	PL
GTIN	4044918905299
Customs tariff number VKOrg Germany	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-39756 /A1
	CSA DEKRA Certification B.V.	C22.2	LR 18677-25
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-121453

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19-HG1869876-PDA

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	BV Bureau Veritas S.A.	IEC 60998	11915/D0 BV
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z

UL-Approvals

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

Counterpart

Item no. 231-109/026-000

1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 9-pole; 2,50 mm²; gray

www.wago.com/231-109/026-000

Optional accessories

Coding

Intermediate plate	
Item no.: 231-500 Spacer; for formation of groups; light gray	www.wago.com/231-500
Coding	
Item no.: 231-129 Coding key; snap-on type; light gray	www.wago.com/231-129

Downloads

Documentation

Additional Information

Technical Section	2019 Apr 3	pdf	Download
Technical explanations		2.0 MB	

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

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CAD/CAE-Data

CAD data

2D/3D Models 231-169/003-000	URL	Download
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CAE data

EPLAN Data Portal 231-169/003-000	URL	Download
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ZUKEN Portal 231-169/003-000	URL	Download
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EPLAN Data Portal 231-169/003-000	URL	Download
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Environmental Product Compliance

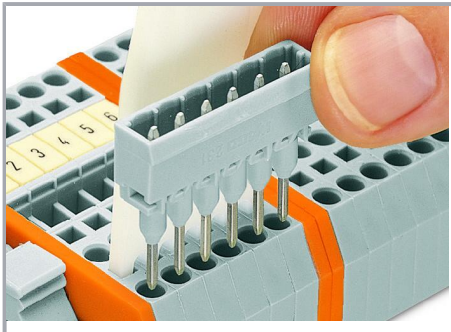
Compliance Search

Environmental Product Compliance 231-169/003-000	URL	Download
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Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 9-pole; gray

Installation Notes

Installation



Inserting a male connector via multipole operating tool.

Installation

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

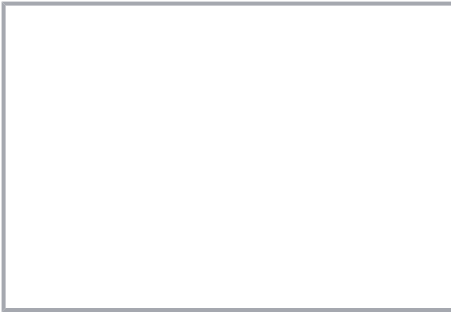
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The extra width of the male connectors when used on front-entry, rail-mount terminal blocks must be compensated for by either two intermediate plates or rail-mount spacer block (block assembly).

Installation



Spacer blocks can be bridged via alternate or staggered jumpers.

Product family

MCS MIDI Classic

[Show all products from the family](#)

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