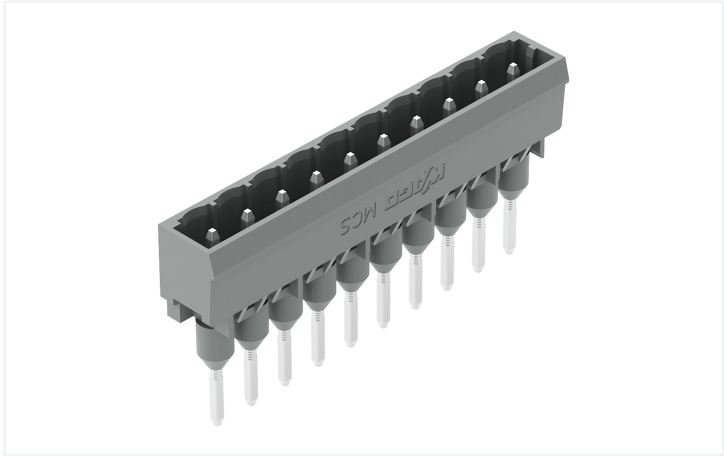


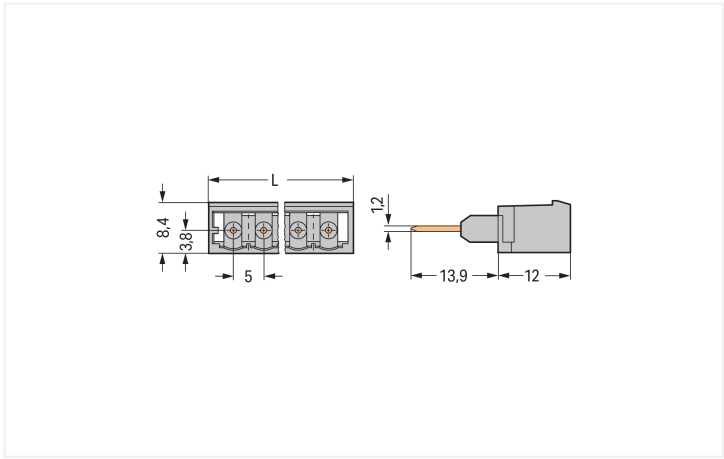
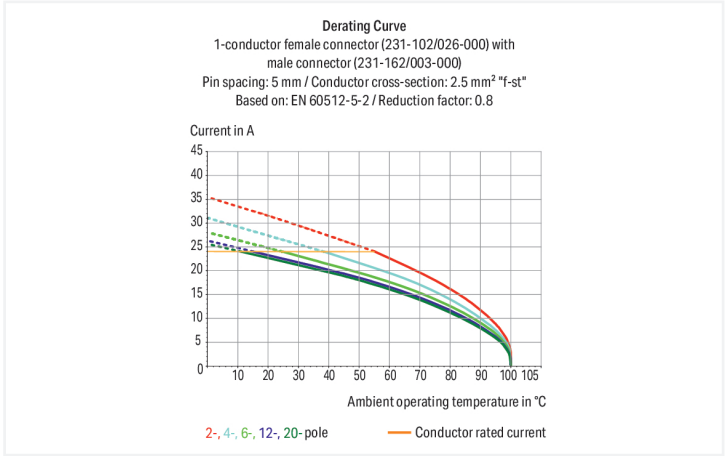
Data Sheet | Item Number: 231-170/003-000

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 10-pole; gray

<https://www.wago.com/231-170/003-000>



Color: ■ gray



Dimensions in mm
L = (pole no. – 1) x pin spacing + 8.2 mm

Male connector, 231 Series, gray

Enjoy fault-free electrical installations with this male connector (item number 231-170/003-000). Dimensions: (53.2 x 25.9 x 8.4) mm (width x height x depth).

The contact surface is coated with tin.

Notes	
Safety Information	The MCS – <i>MULTI CONNECTION SYSTEM</i> 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 impulse withstand 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
Number of connection types	1
Number of levels	1

Connection 1	
Pole number	10

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	8.4 mm / 0.331 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	No
Mating direction to the rail-mount terminal block	90 °



Material data		
Note (material data)	Information on material specifications can be found here	
Color	gray	
Material group	I	
Insulation material (main housing)	Polyamide (PA66)	
Flammability class per UL94	V0	
Contact material	Electrolytic copper (E _{Cu})	
Contact Plating	Tin	
Fire load	0.061 MJ	
Weight	5.7 g	

Environmental requirements		
Limit temperature range	-60 ... +100 °C	
Processing temperature	-35 ... +60 °C	

Commercial data		
Product Group	3 (Multi Conn. System)	
PU (SPU)	100 pcs	
Packaging type	Box	
Country of origin	PL	
GTIN	4044918905312	
Customs tariff number	85366930000	

Product Classification		
UNSPSC	39121409	
eCl@ss 10.0	27-44-04-02	
eCl@ss 9.0	27-14-11-06	
ETIM 9.0	EC001284	
ETIM 10.0	EC001284	
ECCN	NO US CLASSIFICATION	

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-113351	ABS American Bureau of Ship- ping	-	24-0095975-PDA
CSA DEKRA Certification B.V.	C22.2	LR 18677-25	BV Bureau Veritas S.A.	IEC 60998	11915/E0 BV
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-130478 REV.1	DNV DNV GL SE	-	TAE000016Z
UL Underwriters Laboratories Inc.	UL 1977	E45171	PRS Polski Rejestr Statków	-	TE/1095/880590/23
UL Underwriters Laboratories Inc.	UL 1059	E45172			



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
231-170/003-000

↓

Documentation

Additional Information

Technical Section

03.04.2019

pdf
2027.26 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models
231-170/003-000

↓

CAE data

EPLAN Data Portal
231-170/003-000

↓

ZUKEN Portal
231-170/003-000

↓

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 231-110/026-000

1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 10-pole; 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

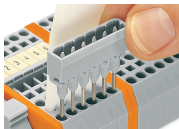
1.2.1.2 Intermediate plate



Item No.: 231-500
Spacer; for formation of groups; light gray

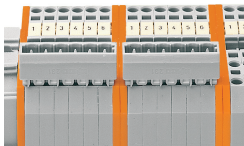
Installation Notes

Installation



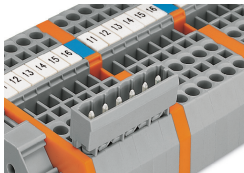
Inserting a male connector via multipole operating tool.

Installation



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.