

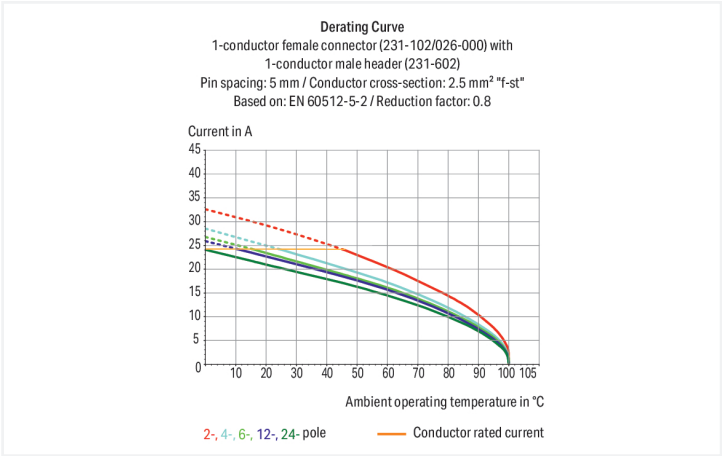
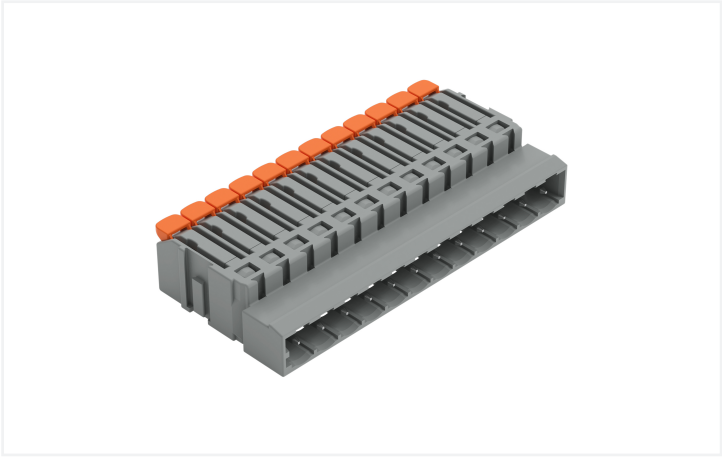
Data Sheet | Item Number: 2231-1612

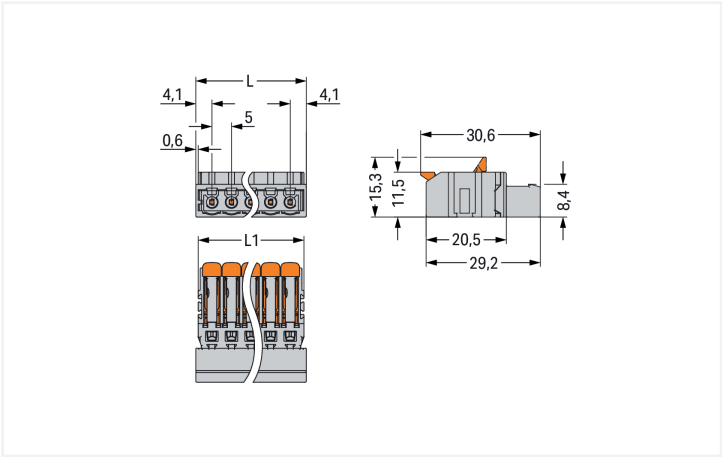
1-conductor male connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm;
12-pole; 2,50 mm²; gray

<https://www.wago.com/2231-1612>



Color: ■ gray





Dimensions in mm
L1 = (pole no. x pin spacing) + 3.2 mm
L2 = (pole no. x pin spacing) + 2 mm

Male connector, 2231 Series, Push-in CAGE CLAMP®

Enjoy effortless electrical installations with this male connector (item number 2231-1612). Strip lengths must be between 11 and 12 mm when connecting conductors to this male connector. This product incorporates one conductor terminal and utilizes Push-in CAGE CLAMP®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, featuring a winning design: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. The dimensions are (63.2 x 11.5 x 30.6) mm (width x height x depth). This male connector is suitable for conductor cross sections ranging from 0.2 mm² to 2.5 mm².

Tin is used for coating the contact surfaces.

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 Gold-plated or partially gold-plated contact surfaces 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		320 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		16 A	-	10 A
Ratings				
Approvals per		UL 1977		
Rated voltage		600 V		
Rated current		15 A		

Pin spacing	5 mm / 0.197 inches
Width	63.2 mm / 2.488 inches
Height	11.5 mm / 0.453 inches
Depth	30.6 mm / 1.205 inches

Variable coding	Yes
Anti-rotation protection	Yes

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for conductor
Mismatching protection	No

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
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{cu})
Contact Plating	Tin
Fire load	0.273 MJ
Weight	18.5 g

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

Commercial data		
PU (SPU)		25 pcs
Packaging type		Box
Country of origin		PL
GTIN		4066966722994
Customs tariff number		85366930000

Product Classification		
UNSPSC		39121409
ETIM 9.0		EC002638
ETIM 10.0		EC002638
ECCN		NO US CLASSIFICATION

Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc.	UL 1059	UL-US- L45172-6187117-81111991-4

Downloads

Environmental Product Compliance		
Compliance Search		
Environmental Product Compliance 2231-1612		

Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data

2D/3D Models
2231-1612

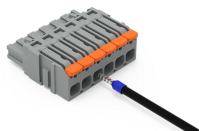


Installation Notes

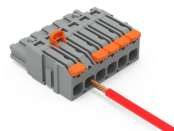
Conductor termination



Inserting solid conductor via push-in termination.

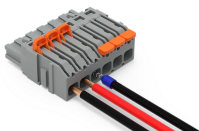


Ferruled fine-stranded conductors can be directly inserted.



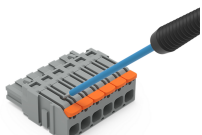
Insert fine-stranded conductors – and remove all conductors – via operating tool.

Conductor removal

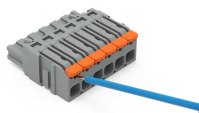


Removing a conductor via lever.

Testing



Prüfen senkrecht zur Leiteranschlussrichtung (90°) Prüfstift 1 mm 735-500



Prüfen aus Leiteranschlussrichtung (0°) Prüfstift 1 mm 735-500

Coding



Coding a 1-conductor male connector by inserting a coding pin.