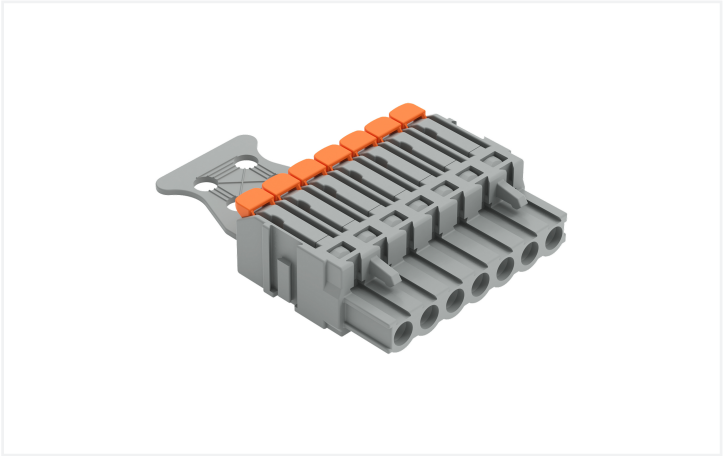
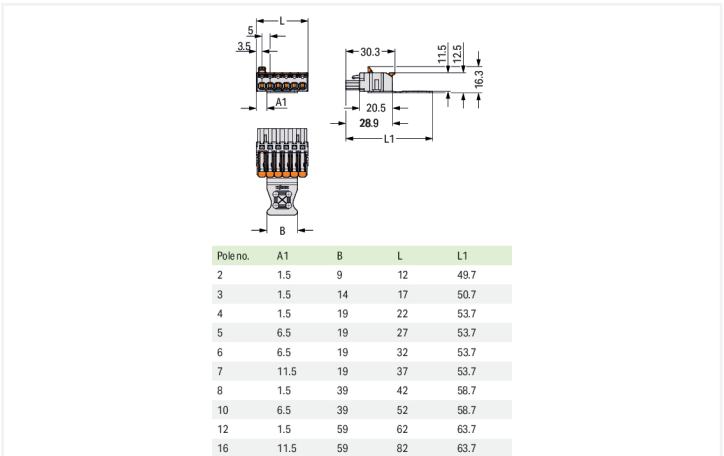
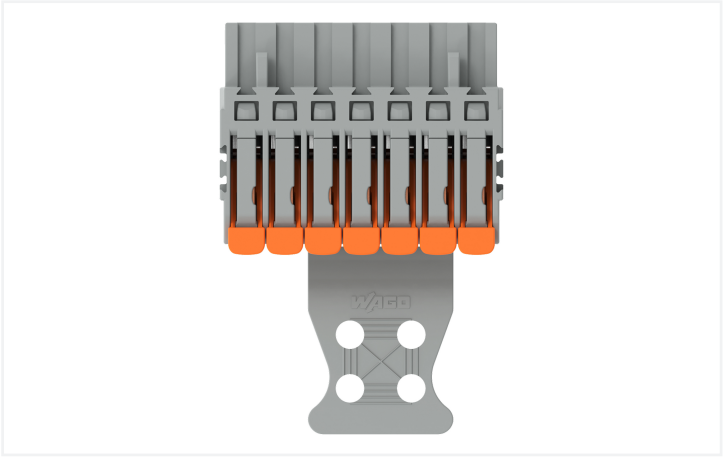




Color: ■ gray



Dimensions in mm

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

This female connector (item number 2231-1107/327-000/334-000) provides seamless electrical installations. Strip lengths must be between 11 and 12 mm when connecting conductors to this female connector. This product features one conductor terminal and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® technology provides a universal connection solution for all conductor types. It allows both solid and fine-stranded conductors with ferrules to be inserted directly

into the clamping point without the need for tools. The item's dimensions are (37 x 11.5 x 53.7) mm (width x height x depth). This female connector is suitable for conductor cross sections ranging from 0.2 mm² to 2.5 mm².

Tin is used for coating the contact surfaces. The strain relief plate is a safety precaution for connected conductors that also makes cables easier to handle..

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		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	150 V	300 V
Rated current		20 A	15 A	10 A

Approvals per		CSA		
Use group		B	C	D
Rated voltage		300 V	150 V	300 V
Rated current		20 A	15 A	10 A

Connection Data	
Clamping units	7
Total number of potentials	7
Number of connection types	1
Number of levels	1

Connection 1	
Connection technology	Push-in CAGE CLAMP®
Actuation type	Lever
Solid conductor	0.2 ... 2.5 mm ² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 2.5 mm ² / 24 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm ²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm ²
Strip length	11 ... 12 mm / 0.43 ... 0.47 inches
Pole number	7
Conductor entry direction to mating direction	0 °

Physical data	
Pin spacing	5 mm / 0.197 inches
Width	37 mm / 1.457 inches
Height	11.5 mm / 0.453 inches
Depth	53.7 mm / 2.114 inches

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismating protection	No
Strain relief	Strain relief plate

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	Copper alloy
Contact Plating	Tin
Fire load	0.188 MJ
Actuator color	orange
Weight of insulation material	3.81 g
Weight	12.3 g

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

PU (SPU)	50 pcs
Packaging type	Box
Country of origin	PL
GTIN	4066966713947
Customs tariff number	85366990990

UNSPSC	39121409
ETIM 10.0	EC002638
ECCN	NO US CLASSIFICATION

RoHS Compliance Status	Compliant, No Exemption
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Downloads

Environmental Product Compliance

Compliance Search

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	
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CAD/CAE-Data

CAD data

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug

 Item No.: 231-607 1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 7-pole; gray	 Item No.: 2231-1607 1-conductor male connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 7-pole; 2,50 mm²; gray	 Item No.: 2231-1607/000-044 1-conductor male connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 7-pole; direct marking; 2,50 mm²; gray	 Item No.: 2231-1607/000-9034 1-conductor male connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 7-pole; direct marking; 2,50 mm²; gray
 Item No.: 2231-1607/334-000 1-conductor male connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 7-pole; Strain relief plate; 2,50 mm²; gray	 Item No.: 231-437/001-000/105-604/997-407 THR male header; 1.0 x 1.0 mm solder pin; angled; in tape-and-reel packaging; Pin spacing 5 mm; 7-pole; black	 Item No.: 231-437/001-000/105-604 THR male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 7-pole; black	 Item No.: 231-137/001-000/105-604/997-407 THR male header; 1.0 x 1.0 mm solder pin; straight; in tape-and-reel packaging; Pin spacing 5 mm; 7-pole; black
 Item No.: 231-137/001-000/105-604 THR male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 7-pole; black	 Item No.: 231-467/001-000/105-604/997-407 THR male header; 1.2 x 1.2 mm solder pin; angled; in tape-and-reel packaging; Pin spacing 5 mm; 7-pole; black	 Item No.: 231-467/001-000/105-604 THR male header; 1.2 x 1.2 mm solder pin; angled; Pin spacing 5 mm; 7-pole; black	 Item No.: 231-167/001-000/105-604/997-407 THR male header; 1.2 x 1.2 mm solder pin; straight; in tape-and-reel packaging; Pin spacing 5 mm; 7-pole; black
 Item No.: 231-167/001-000/105-604 THR male header; 1.2 x 1.2 mm solder pin; straight; Pin spacing 5 mm; 7-pole; black	 Item No.: 231-437/001-000 THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 7-pole; gray	 Item No.: 231-137/001-000 THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 7-pole; gray	 Item No.: 231-467/001-000 THT male header; 1.2 x 1.2 mm solder pin; angled; Pin spacing 5 mm; 7-pole; gray
 Item No.: 231-167/001-000 THT male header; 1.2 x 1.2 mm solder pin; straight; Pin spacing 5 mm; 7-pole; gray			



1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



Item No.: 2231-505
Coding pin carrier; 5 coding keys; for female connectors; orange

1.2.2 Ferrule

1.2.2.1 Ferrule



Item No.: 216-262
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-263
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item No.: 216-264
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

1.2.3 Locking system

1.2.3.1 Locking system



Item No.: 2231-515
center locking; for female connectors; For Push-in CAGE CLAMP® connection; lever; Pin spacing 5 mm; 5-pole; orange



Item No.: 2231-510
Locking lever; for female connectors; 1 part; For Push-in CAGE CLAMP® connection; lever; orange

1.2.4 Marking

1.2.4.1 Marking strip



Item No.: 210-332/500-202
Marking strips; as a DIN A4 sheet; MARKED; 1-16 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-332/500-205
Marking strips; as a DIN A4 sheet; MARKED; 1-32 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-332/500-204
Marking strips; as a DIN A4 sheet; MARKED; 17-32 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-332/500-206
Marking strips; as a DIN A4 sheet; MARKED; 33-48 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

1.2.5 Test and measurement

1.2.5.1 Testing accessories



Item No.: 231-661
Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing; 2,50 mm²; light gray



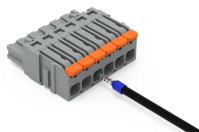
Item No.: 735-500
WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 6 mm uninsulated; Test lead for soldering up to 0,5mm²

Installation Notes

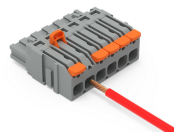
Conductor termination



Inserting solid conductor via push-in termination.

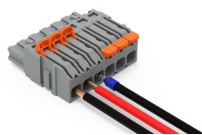


Ferruled fine-stranded conductors can be directly inserted.



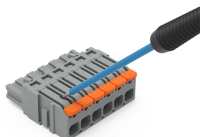
Insert fine-stranded conductors – and remove all conductors – via operating tool.

Conductor removal

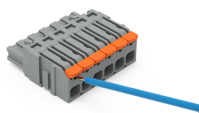


Removing a conductor via lever.

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 female connector by inserting a coding pin.