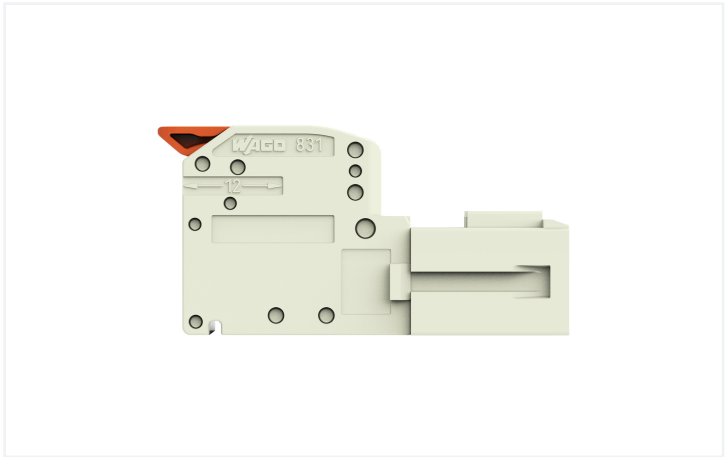
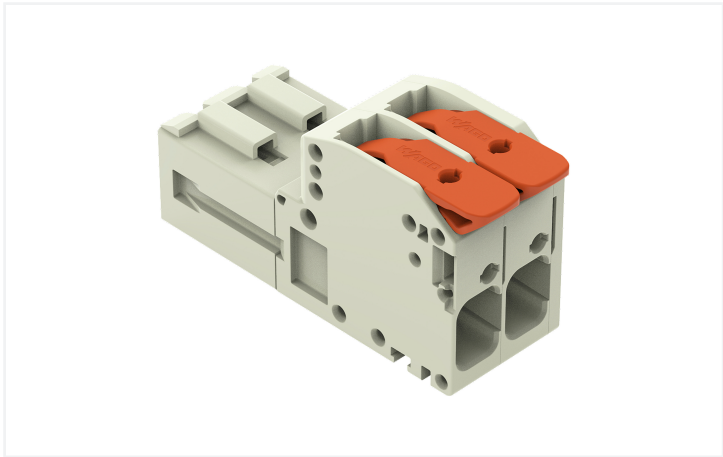


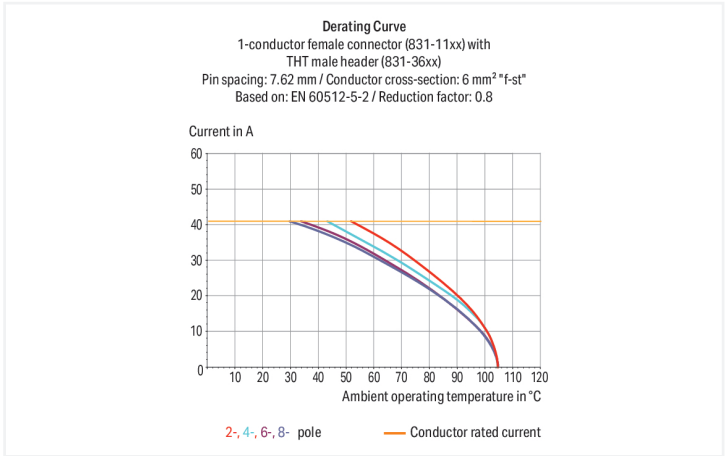
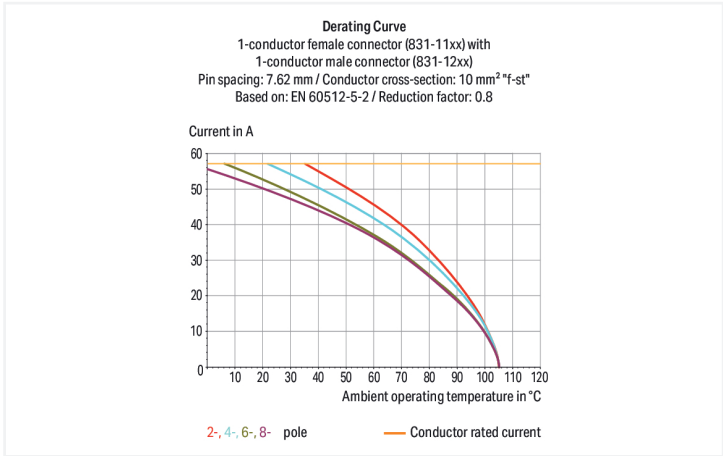
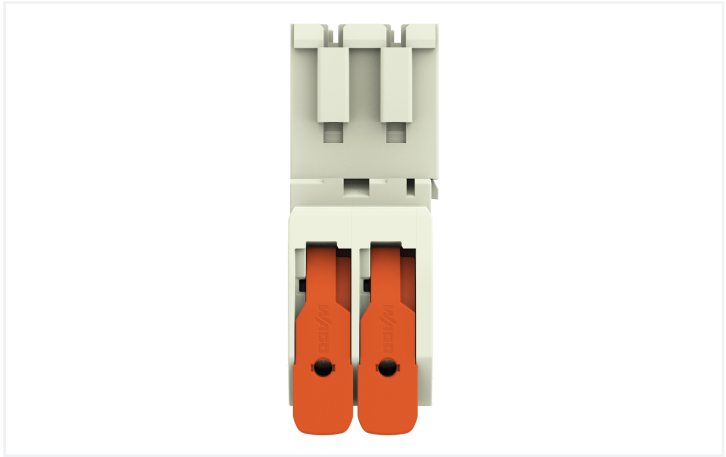
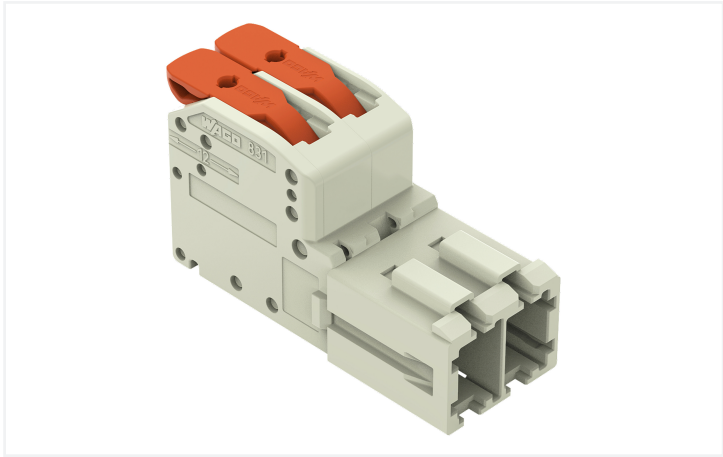
Data Sheet | Item Number: 831-1202

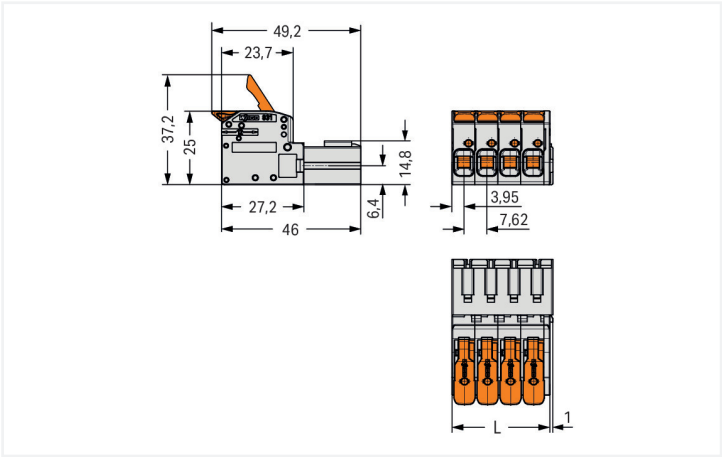
1-conductor male connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 2-pole; 100% protected against mismatching; 10,00 mm²; light gray

<https://www.wago.com/831-1202>



Color: ■ light gray





Dimensions in mm
L = (pole no. x pin spacing) + 1.9 mm

Male connector, 831 Series, 0 ° conductor exit to connection direction

This male connector (item number 831-1202) provides seamless electrical installations. Ensure that the strip lengths are between 11 and 13 mm when connecting conductors to this male connector. This product features one conductor terminal and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. Solid and fine-stranded conductors with ferrules can be plugged in without the need for tools—all thanks to its pluggable design. The dimensions are (18.1 x 25 x 49.2) mm (width x height x depth). Depending on the conductor type, this male connector is suitable for conductor cross sections ranging from 0.5 mm² to 10 mm².

The contact surface is coated with tin.

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 colors 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		800 V	1000 V	1000 V
Rated impulse withstand voltage		8 kV	8 kV	8 kV
Rated current		41 A	41 A	41 A
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		-	600 V	600 V
Rated current		-	37 A	5 A
Approvals per		CSA		
Use group		B	C	D
Rated voltage		-	600 V	600 V
Rated current		-	35 A	5 A



Connection Data																				
Clamping units	2	Connection 1 <table><tr><td>Connection technology</td><td>Push-in CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Lever</td></tr><tr><td>Solid conductor</td><td>0.5 ... 10 mm² / 20 ... 8 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.5 ... 10 mm² / 20 ... 8 AWG</td></tr><tr><td>Fine-stranded conductor; with insulated ferrule</td><td>0.5 ... 6 mm²</td></tr><tr><td>Fine-stranded conductor; with uninsulated ferrule</td><td>0.5 ... 6 mm²</td></tr><tr><td>Strip length</td><td>11 ... 13 mm / 0.43 ... 0.51 inches</td></tr><tr><td>Pole number</td><td>2</td></tr><tr><td>Conductor entry direction to mating direction</td><td>0°</td></tr></table>	Connection technology	Push-in CAGE CLAMP®	Actuation type	Lever	Solid conductor	0.5 ... 10 mm² / 20 ... 8 AWG	Fine-stranded conductor	0.5 ... 10 mm² / 20 ... 8 AWG	Fine-stranded conductor; with insulated ferrule	0.5 ... 6 mm²	Fine-stranded conductor; with uninsulated ferrule	0.5 ... 6 mm²	Strip length	11 ... 13 mm / 0.43 ... 0.51 inches	Pole number	2	Conductor entry direction to mating direction	0°
Connection technology	Push-in CAGE CLAMP®																			
Actuation type	Lever																			
Solid conductor	0.5 ... 10 mm² / 20 ... 8 AWG																			
Fine-stranded conductor	0.5 ... 10 mm² / 20 ... 8 AWG																			
Fine-stranded conductor; with insulated ferrule	0.5 ... 6 mm²																			
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 6 mm²																			
Strip length	11 ... 13 mm / 0.43 ... 0.51 inches																			
Pole number	2																			
Conductor entry direction to mating direction	0°																			
Total number of potentials	2																			
Number of connection types	1																			
Number of levels	1																			

Physical data		
Pin spacing		7.62 mm / 0.3 inches
Width		18.1 mm / 0.7 inches
Height		25 mm / 0.984 inches
Depth		49.2 mm / 1.937 inches

Mechanical data		
Variable coding		Yes
Anti-rotation protection		Yes

Plug-in connection		
Contact type (pluggable connector)		Male connector/plug
Connector (connection type)		for conductor
Mismating protection		Yes

Material data		
Note (material data)		Information on material specifications can be found here
Color		light 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		0.315 MJ
Actuator color		orange
Weight		13.9 g



Environmental requirements	
Limit temperature range	-60 ... +105 °C
Processing temperature	-35 ... +60 °C

Commercial data	
PU (SPU)	48 pcs
Packaging type	Box
Country of origin	PL
GTIN	4055143986786
Customs tariff number	85366930000

Product Classification	
UNSPSC	39121409
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



Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-61360/M1
CSA DEKRA Certification B.V.	C22.2	1466354
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-116057
UR Underwriters Laboratories Inc.	UL 1059	UL-US-2426356-0

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 831-1202	



Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data
2D/3D Models 831-1202

CAE data
ZUKEN Portal 831-1202

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket

 Item No.: 831-1102 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 2-pole; 100% protected against mismatching; 10,00 mm²; light gray	 Item No.: 831-1102/000-004 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 2-pole; 100% protected against mismatching; black	 Item No.: 831-1102/322-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 2-pole; 100% protected against mismatching; Centered locking levers; 10,00 mm²; light gray	 Item No.: 831-1102/322-004 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 2-pole; 100% protected against mismatching; Centered locking levers; black
 Item No.: 831-1102/306-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 2-pole; 100% protected against mismatching; DIN-35 rail/panel mounting; 10,00 mm²; light gray	 Item No.: 831-1102/133-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 2-pole; 100% protected against mismatching; Gripping plate; 10,00 mm²; light gray	 Item No.: 831-1102/037-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 2-pole; 100% protected against mismatching; Lateral locking levers; 10,00 mm²; light gray	 Item No.: 831-1102/038-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 2-pole; 100% protected against mismatching; Lateral locking levers; 10,00 mm²; light gray
 Item No.: 831-1102/038-000/306-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 2-pole; 100% protected against mismatching; Lateral locking levers; DIN-35 rail/panel mounting; 10,00 mm²; light gray	 Item No.: 831-3522 THT female header; angled; Pin spacing 7.62 mm; 2-pole; 100% protected against mismatching; 1.0 x 1.2 mm solder pin; light gray	 Item No.: 831-3502 THT female header; straight; Pin spacing 7.62 mm; 2-pole; 100% protected against mismatching; 1.0 x 1.2 mm solder pin; light gray	

1.2 Optional Accessories

1.2.1 Ferrule

1.2.1.1 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	 Item No.: 216-284 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
 Item No.: 216-266 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue	 Item No.: 216-286 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue	 Item No.: 216-267 Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	 Item No.: 216-287 Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



1.2.1.1 Ferrule



Item No.: 216-208
Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow



Item No.: 216-288
Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow



Item No.: 216-108
Ferrule; Sleeve for 6 mm² / AWG 10; uninsulated; electro-tin plated; silver-colored

1.2.2 Installation

1.2.2.1 Snap-in frame



Item No.: 831-302
Snap-in frame; for male connectors; 1 part; Pin spacing 7.62 mm; 2-pole; light gray

1.2.3 Mounting adapter

1.2.3.1 Mounting accessories



Item No.: 831-1038
Mounting adapter; for DIN-35 rail/panel mounting; fixed on DIN-rail 35; Pin spacing 7.62 mm; light gray



Item No.: 831-1032
Mounting adapter; for DIN-35 rail/panel mounting; freely movable on DIN-rail 35; Pin spacing 7.62 mm; light gray

1.2.4 Strain relief

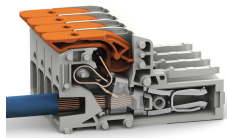
1.2.4.1 Strain relief plate



Item No.: 831-503
Strain relief plate; for female and male connectors; 15 mm wide; 1 part; Pin spacing 7.62 mm; light gray

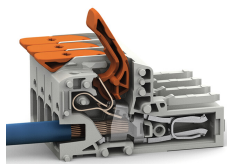
Installation Notes

Conductor termination



Insert solid conductors via push-in termination.

Conductor removal



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