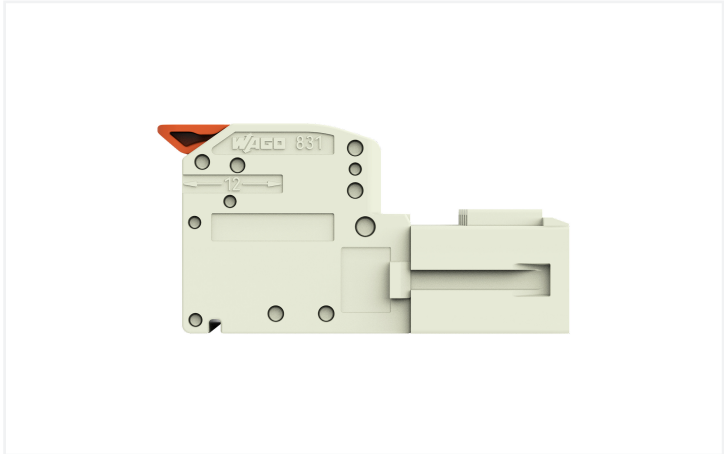
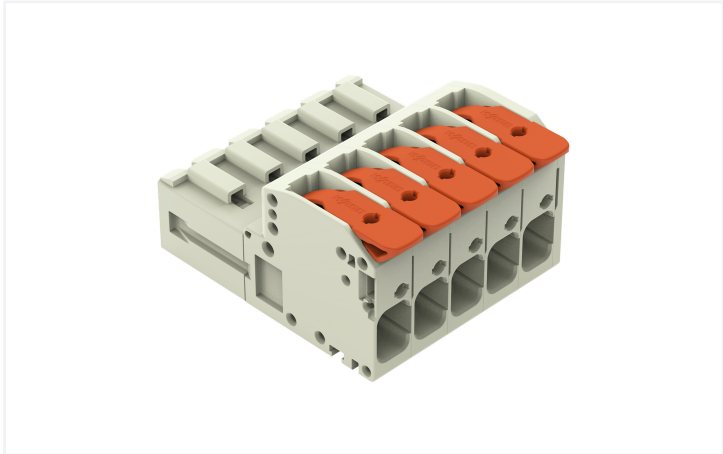


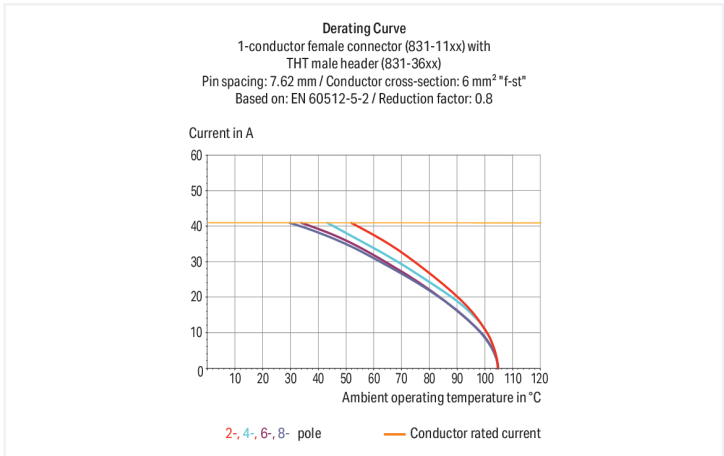
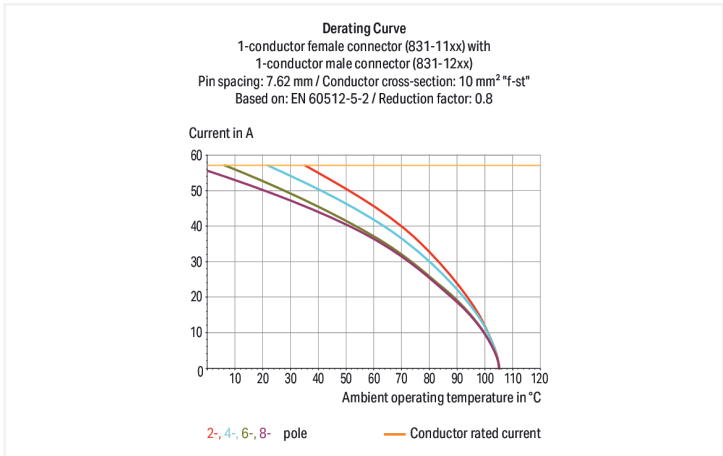
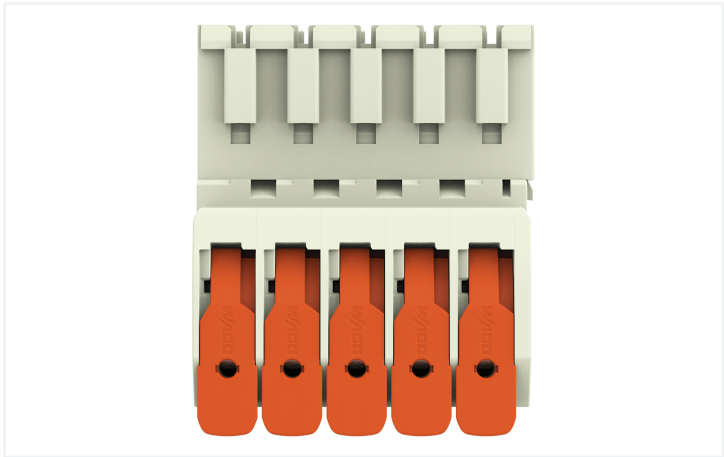
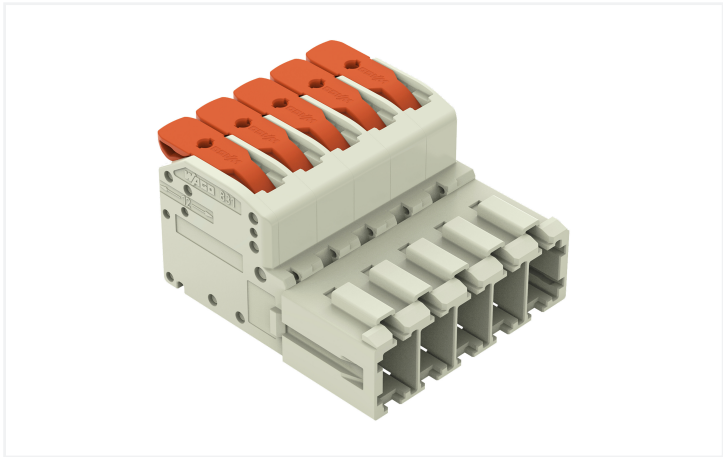
Data Sheet | Item Number: 831-1205

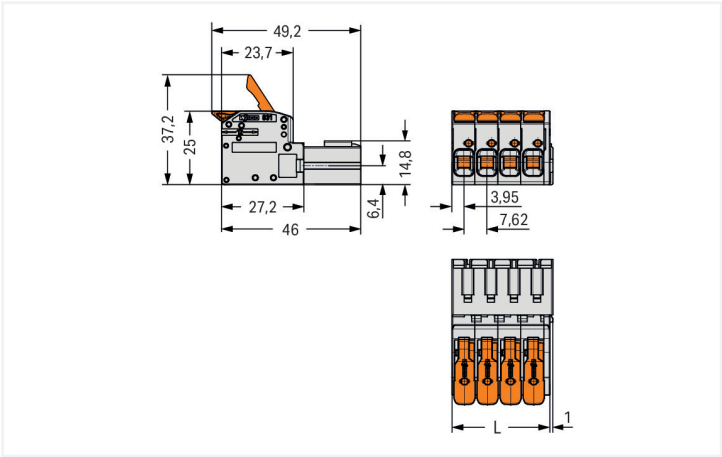
1-conductor male connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 5-pole; 100% protected against mismatching; 10,00 mm²; light gray

<https://www.wago.com/831-1205>



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

Our male connector (item number 831-1205) simplifies electrical installations. Ensure that the strip lengths are between 11 and 13 mm when connecting conductors to this male connector. This product incorporates one conductor terminal and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. Both solid and fine-stranded conductors with ferrules can be plugged in without needing to use any tools—all thanks to its pluggable design. The item's dimensions are (41 x 25 x 49.2) mm (width x height x depth). 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			Approvals per		UL 1059
Overvoltage category		III	III	II	Use group	B	C D
Pollution degree		3	2	2	Rated voltage	-	600 V 600 V
Nominal voltage		800 V	1000 V	1000 V	Rated current	-	37 A 5 A
Rated impulse withstand voltage		8 kV	8 kV	8 kV			
Rated current		41 A	41 A	41 A			

Approvals per		CSA		
Use group		B	C	D
Rated voltage		-	600 V	600 V
Rated current		-	35 A	5 A

Connection 1	
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	5
Conductor entry direction to mating direction	0°

Pin spacing	7.62 mm / 0.3 inches
Width	41 mm / 1.6 inches
Height	25 mm / 0.984 inches
Depth	49.2 mm / 1.937 inches

Variable coding	Yes
Anti-rotation protection	Yes

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for conductor
Mismatching protection	Yes

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	0.55 MJ
Actuator color	orange
Weight	31.9 g



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

Commercial data	
PU (SPU)	12 pcs
Packaging type	Box
Country of origin	PL
GTIN	4066966840421
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-124478
CSA DEKRA Certification B.V.	C22.2	1466354
DEKRA DEKRA Certification B.V.	EN 61984	71-173515
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-129589 REV.1
UR Underwriters Laboratories Inc.	UL 1059	UL-US-2426356-0

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 831-1205	

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 831-1205 	ZUKEN Portal 831-1205 

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket

 Item No.: 831-1105 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 5-pole; 100% protected against mis-mating; 10,00 mm²; light gray	 Item No.: 831-1105/000-004 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 5-pole; 100% protected against mis-mating; black	 Item No.: 831-1105/320-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 5-pole; 100% protected against mis-mating; Centered locking levers; 10,00 mm²; light gray	 Item No.: 831-1105/322-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 5-pole; 100% protected against mis-mating; Centered locking levers; 10,00 mm²; light gray
 Item No.: 831-1105/322-004 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 5-pole; 100% protected against mis-mating; Centered locking levers; black	 Item No.: 831-1105/306-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 5-pole; 100% protected against mis-mating; DIN-35 rail/panel mounting; 10,00 mm²; light gray	 Item No.: 831-1105/037-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 5-pole; 100% protected against mis-mating; Lateral locking levers; 10,00 mm²; light gray	 Item No.: 831-1105/038-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 5-pole; 100% protected against mis-mating; Lateral locking levers; 10,00 mm²; light gray
 Item No.: 831-1105/038-000/306-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 5-pole; 100% protected against mis-mating; Lateral locking levers; DIN-35 rail/panel mounting; 10,00 mm²; light gray	 Item No.: 831-3525 THT female header; angled; Pin spacing 7.62 mm; 5-pole; 100% protected against mismating; 1.0 x 1.2 mm solder pin; light gray	 Item No.: 831-3505 THT female header; straight; Pin spacing 7.62 mm; 5-pole; 100% protected against mismating; 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.: 216-266 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.: 216-267 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.: 216-208 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.: 216-108 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.: 831-305
Snap-in frame; for male connectors; 1 part;
Pin spacing 7.62 mm; 5-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

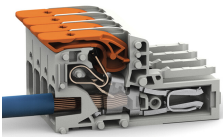
1.2.4.1 Strain relief plate



Item No.: 831-505
Strain relief plate; for female and male con-
nectors; 30 mm wide; 1 part; Pin spacing 7.62
mm; light gray

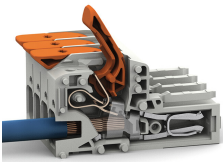
Installation Notes

Conductor termination



Insert solid conductors via push-in termina-
tion.

Conductor removal



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