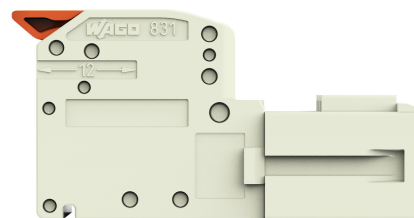
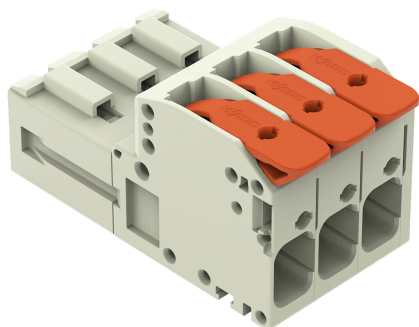


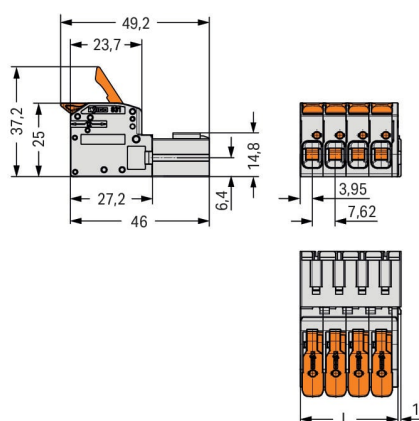
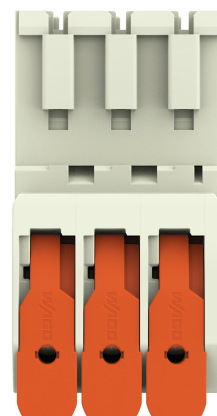
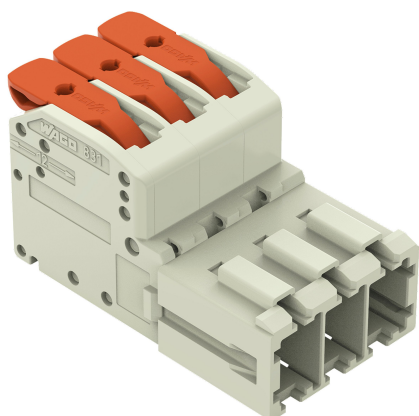
Data Sheet | Item Number: 831-1203

1-conductor male connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismating; 10,00 mm²; light gray

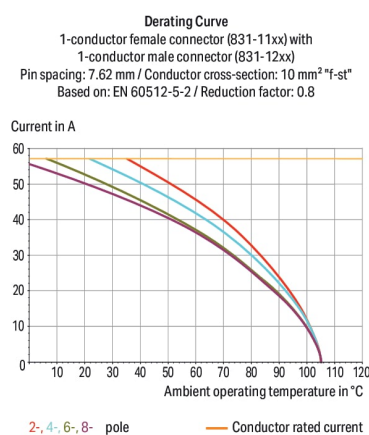
<https://www.wago.com/831-1203>

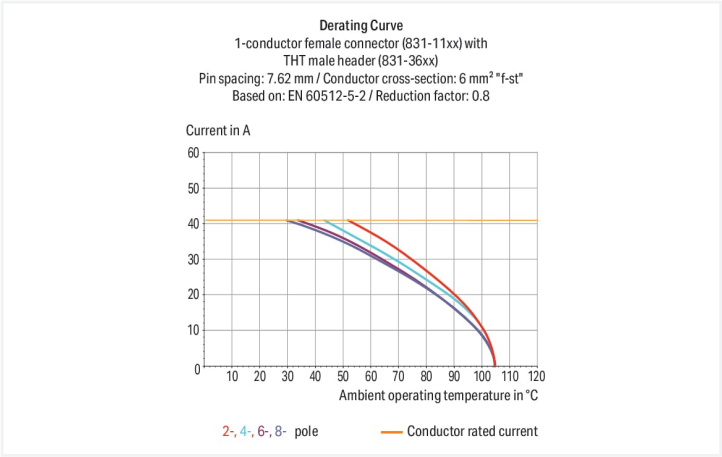


Color: light gray



Dimensions in mm

$$L = (\text{pole no.} \times \text{pin spacing}) + 1.9 \text{ mm}$$




Stiftleiste Serie 831, lichtgrau

Die Stiftleiste hat die Artikelnummer 831-1203 und ermöglicht eine fehlerfreie Elektroinstallation. Setzen Sie beim Design-In Ihres Gerätes auf bewährte Sicherheit: Mit Leiterplatten-Steckverbindern haben Sie verschiedene Verwendungsmöglichkeiten. Bemessungsstrom und -spannung sind wichtige Kriterien bei der Auswahl eines Leiterplatten-Steckverbinders: Sie geben Auskunft über die möglichen Einsatzbereiche und Anwendungen. Bei diesem Produkt beträgt die Bemessungsspannung 1000 V und der Bemessungsstrom 41 A. Diese Stiftleiste benötigt für den Leiteranschluss eine Abisolierlänge zwischen 11 und 13 mm. Dieses Produkt ist mit der Push-in CAGE CLAMP®-Technologie ausgestattet. Mit der Push-in CAGE CLAMP® Anschlusstechnik wird der Anschluss aller Leiterarten perfekt. Durch den Zusatznutzen des direkten Steckens können Leiter mit ausreichender Knicksteifigkeit sowie feindrähtige Leiter mit Aderendhülse ohne Werkzeug gesteckt werden. Die Abmessungen sind in Breite x Höhe x Tiefe 25,8 x 25 x 49,2 mm. In Abhängigkeit von der Leiterart ist die Stiftleiste gemacht für Leiterquerschnitte von 0,5 mm² bis 10 mm². Es ist eine Klemmenleiste mit 1 Ebene. Über die 3 Klemmstellen können 3 Potenziale / 3 Pol angeschlossen werden. Die Klemmfeder ist aus Chrom-Nickel-Federstahl (CrNi) gefertigt, das lichtgraue Gehäuse aus Polyamid (PA66) sorgt für die Isolierung und die Kontakte sind aus Elektrolytkupfer (ECu). Die Kontaktoberfläche ist aus Zinn. Durch einen Hebel wird diese Stiftleiste/Stecker betätigt. Das "Multi Connection System" – MCS von WAGO ist das vielfältige Steckverbindersystem mit überzeugenden Lösungen für Ihre Anwendungen.

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
Pollution degree	3	2	2	Rated voltage	-	600 V
Nominal voltage	800 V	1000 V	1000 V	Rated current	-	37 A
Rated surge voltage	8 kV	8 kV	8 kV			5 A
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 data			
Clamping units	3	Connection 1	
Total number of potentials	3	Connection technology	Push-in CAGE CLAMP®
Number of connection types	1	Actuation type	Lever
Number of levels	1	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	3
		Conductor entry direction to mating direction	0°

Physical data		
Pin spacing	Pin spacing	7.62 mm / 0.3 inches
Width	Width	25.8 mm / 1 inches
Height	Height	25 mm / 0.984 inches
Depth	Depth	49.2 mm / 1.937 inches

Mechanical data		
Variable coding	Variable coding	Yes
Anti-rotation protection	Anti-rotation protection	Yes

Plug-in connection		
Contact type (pluggable connector)	Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	Connector (connection type)	for conductor
Mismating protection	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 MJ
Actuator color		orange
Weight		19.9 g

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

Commercial data		
ETIM 9.0		EC001284
ETIM 8.0		EC001284
PU (SPU)		24 pcs
Packaging type		Box
Country of origin		PL
GTIN		4055143987370
Customs tariff number		85366930000

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	E45172



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 831-1203

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Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB

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CAD/CAE-Data

CAD data

2D/3D Models 831-1203

↓

CAE data

ZUKEN Portal 831-1203

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1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket

 Item No.: 831-1103 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismatching; 10,00 mm²; light gray	 Item No.: 831-1103/000-004 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismatching; black	 Item No.: 831-1103/302-004 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismatching; Centered locking levers; 10,00 mm²; black	 Item No.: 831-1103/320-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismatching; Centered locking levers; 10,00 mm²; light gray
 Item No.: 831-1103/322-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismatching; Centered locking levers; 10,00 mm²; light gray	 Item No.: 831-1103/306-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismatching; DIN-35 rail/panel mounting; 10,00 mm²; light gray	 Item No.: 831-1103/037-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismatching; Lateral locking levers; 10,00 mm²; light gray	 Item No.: 831-1103/038-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismatching; Lateral locking levers; 10,00 mm²; light gray
 Item No.: 831-1103/038-000/306-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismatching; Lateral locking levers; DIN-35 rail/panel mounting; 10,00 mm²; light gray	 Item No.: 831-3523 THT female header; angled; Pin spacing 7.62 mm; 3-pole; 100% protected against mismatching; 1.0 x 1.2 mm solder pin; light gray	 Item No.: 831-3503 THT female header; straight; Pin spacing 7.62 mm; 3-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



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.: 831-303
Snap-in frame; for male connectors; 1 part; Pin spacing 7.62 mm; 3-pole; light gray

1.2.3 Mounting adapter

1.2.3.1 Mounting accessories



Item No.: 831-1032
Mounting adapter; for DIN-35 rail/panel mounting; 2 parts; Pin spacing 7.62 mm; light gray



Item No.: 831-1038
Mounting adapter; for DIN-35 rail/panel mounting; 3 parts; Pin spacing 7.62 mm; light gray

1.2.4 Strain relief

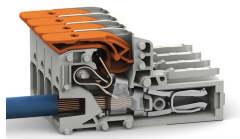
1.2.4.1 Strain relief plate



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

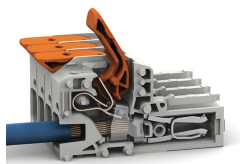
Installation Notes

Conductor termination



Insert solid conductors via push-in termination.

Conductor removal



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