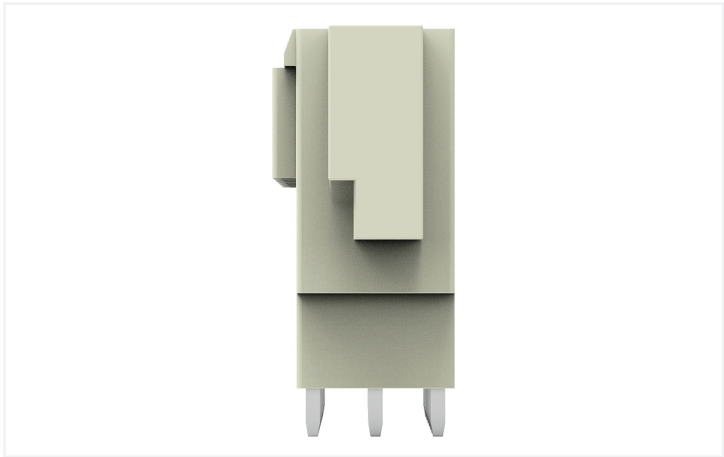
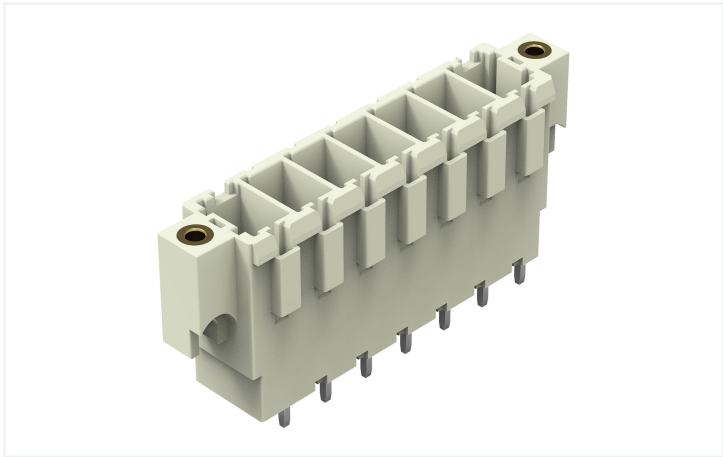
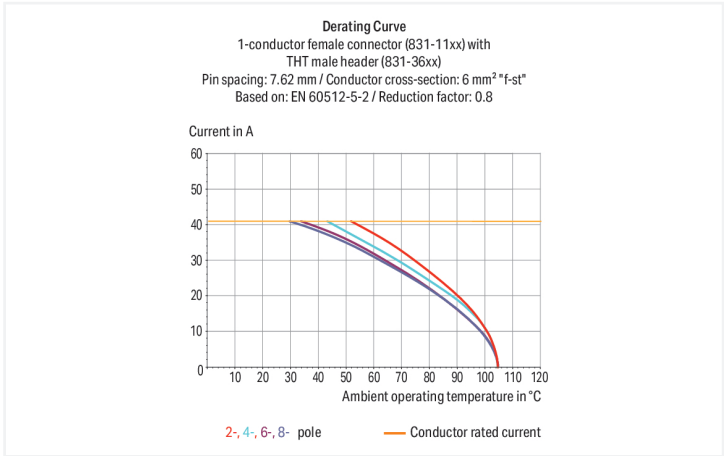
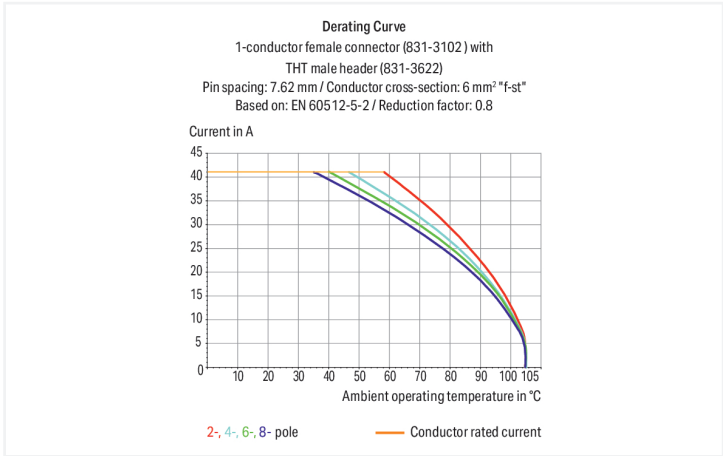
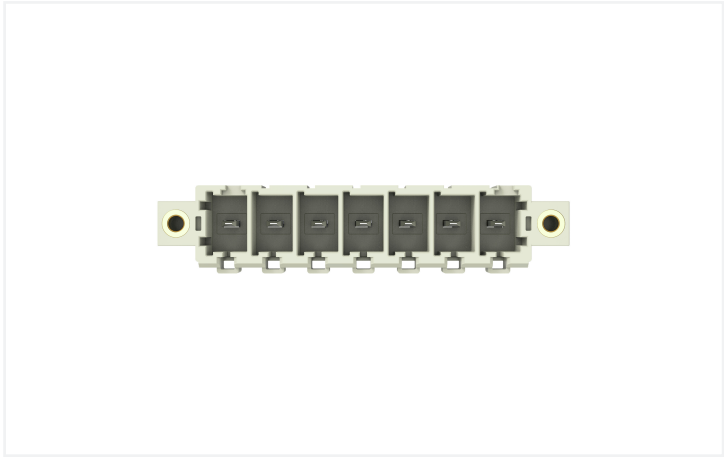
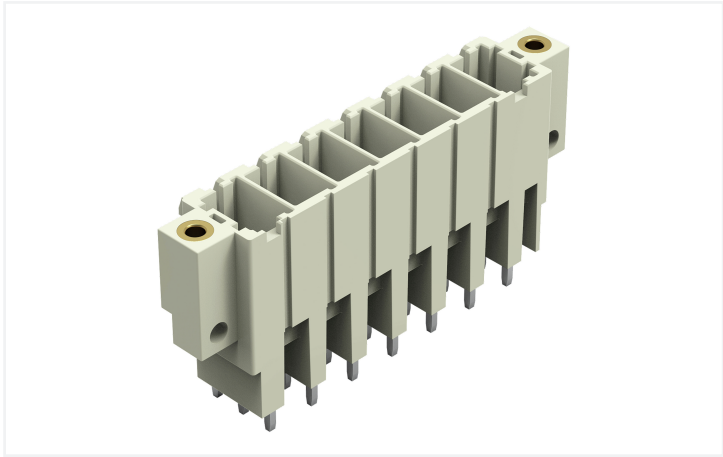
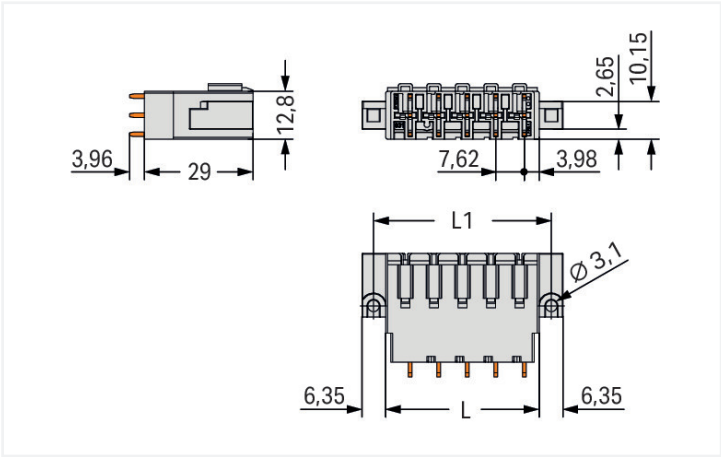




Color: ■ light gray





Dimensions in mm
L = pole no. x pin spacing + 2.9 mmL1 = L + 6.5 mm

Male connector, 831 Series, with 7.62 mm pin spacing

Our male connector (item number 831-3607/108-000) ensures effortless electrical installations. The dimensions are (68.9 x 33 x 14.8) mm (width x height x depth).

The contact surface is coated with tin. THT is used to assemble the pcb connector.

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 Protection against PCB mounting errors 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		500 V	630 V	1000 V
Rated impulse withstand voltage		6 kV	6 kV	6 kV
Rated current		41 A	41 A	41 A
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		-	300 V	600 V
Rated current		-	42 A	5 A
Approvals per		CSA		
Use group		B	C	D
Rated voltage		-	300 V	600 V
Rated current		-	41 A	5 A

Connection Data

Total number of potentials	7	Connection 1	
Number of connection types	1	Pole number	7
Number of levels	1		

Physical data

Pin spacing	7.62 mm / 0.3 inches
Width	68.9 mm / 2.714 inches
Height	33 mm / 1.299 inches
Height from the surface	29 mm / 1.142 inches
Depth	14.8 mm / 0.583 inches
Solder pin length	4 mm
Solder pin dimensions	1 x 1.2 mm
Drilled hole diameter with tolerance	1.7 ^(+0.1) mm

Mechanical data

Variable coding	Yes
Anti-rotation protection	Yes

Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCB
Mismating protection	Yes
Mating direction to the PCB	90 °
Locking of plug-in connection	Threaded flange

PCB contact

PCB contact	THT
Solder pin arrangement	over the entire male connector (in-line)
Number of solder pins per potential	3

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
Contact material	Electrolytic copper (E _{Cu})
Contact Plating	Tin
Fire load	0.35 MJ
Weight	22.5 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	4066966090871
Customs tariff number	85366930000

Product Classification	
UNSPSC	39121409
ETIM 9.0	EC002637
ETIM 10.0	EC002637
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant,No Exemption
SCIP notification number (Austria)	18a5d67e-7fde-4205-b8c9-3bc2ae176cef
SCIP notification number (Belgium)	2f2ea772-9cef-4e7b-98b0-c5c460d211d1
SCIP notification number (Bulgaria)	28dd1dd5-bb5b-46df-9f30-80f386c10a72
SCIP notification number (Czech Republic)	e5987080-ddf0-49f3-b2bb-17a0388b2aab
SCIP notification number (Denmark)	e5fdca0c-8dc5-4485-a426-7b6d5addc2dd
SCIP notification number (Finland)	acf98ee4-263d-4640-ab8b-0b4419dab87e
SCIP notification number (France)	5a8e6430-4316-44a6-9a63-657e795f9b86
SCIP notification number (Germany)	621579bc-0e49-4d29-b36f-8f5d855051a9
SCIP notification number (Hungary)	23121c02-9c23-49b8-8871-f50c15b17db4
SCIP notification number (Italy)	75ddecb0-f17c-4f43-b586-3d88226cc638
SCIP notification number (Netherlands)	522d113f-28f5-41e7-86ac-ce5ef2ecac76
SCIP notification number (Poland)	061aadb-b45b-428a-a6de-025e7e3942e9
SCIP notification number (Romania)	833bc0c4-140e-4278-b56f-94d6f91f1325
SCIP notification number (Sweden)	a5768874-4233-460f-b49b-c15d307697af

Approvals / Certificates	
General approvals	



Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-61360/M1
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	831-3607/108-000		

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

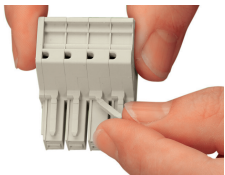
CAD data	
2D/3D Models	
831-3607/108-000	

CAE data	
ZUKEN Portal	
831-3607/108-000	

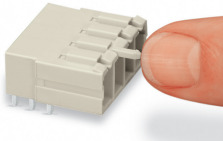
PCB Design	
Symbol and Footprint via SamacSys	
831-3607/108-000	
Symbol and Footprint via Ultra Librarian	
831-3607/108-000	

Installation Notes

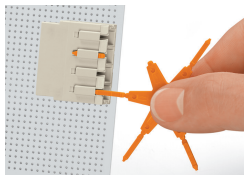
Coding



Break or cut off coding pin from female connector.



Insert coding pin into male header (break first) until it engages.



Coding a THT male header by inserting a coding pin.