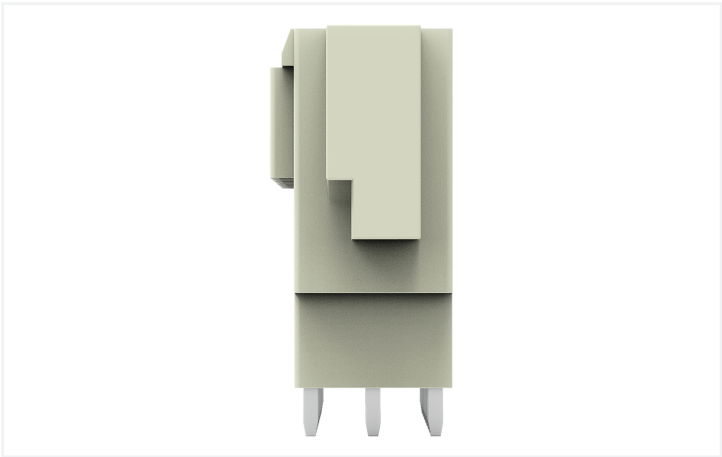
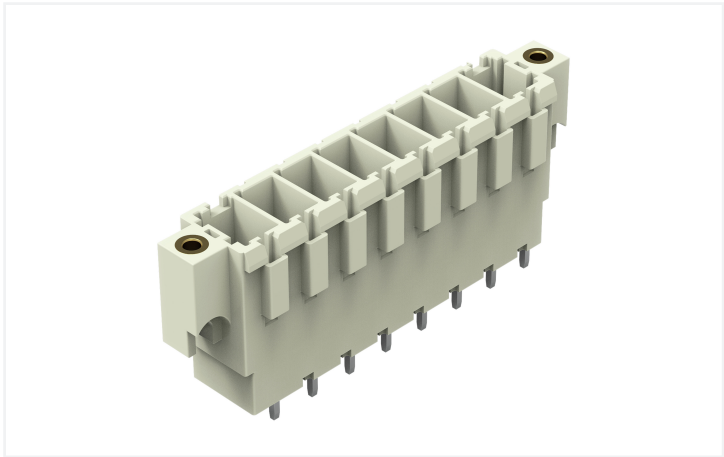
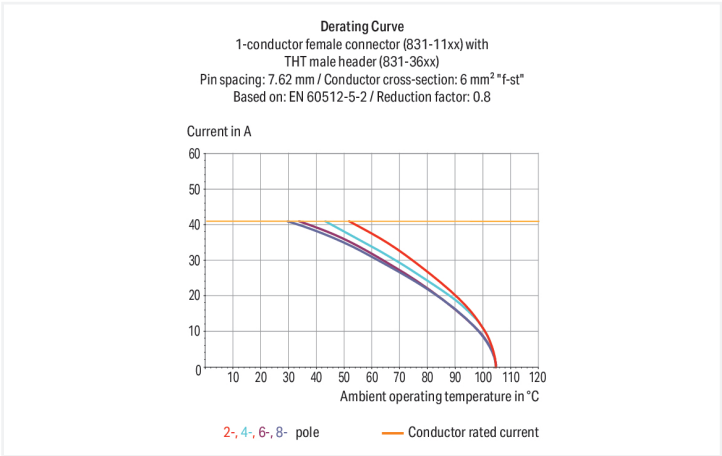
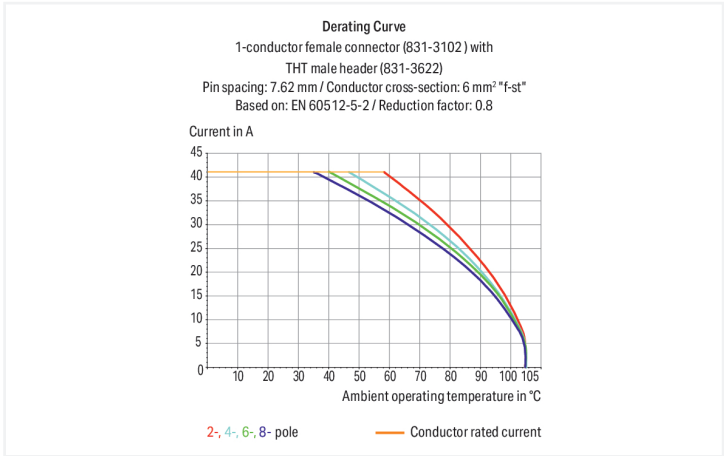
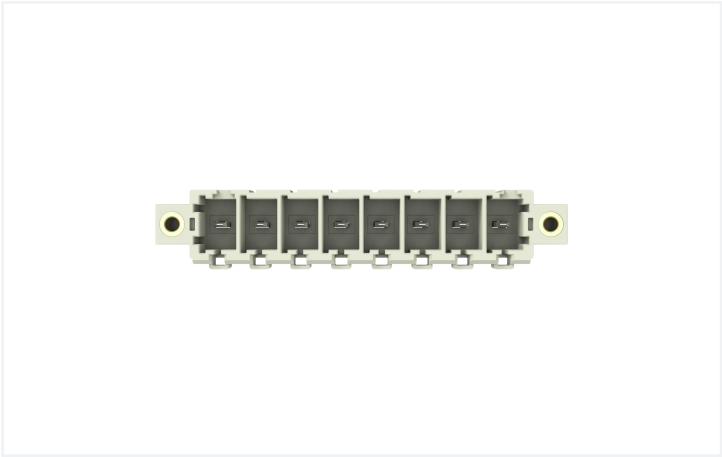
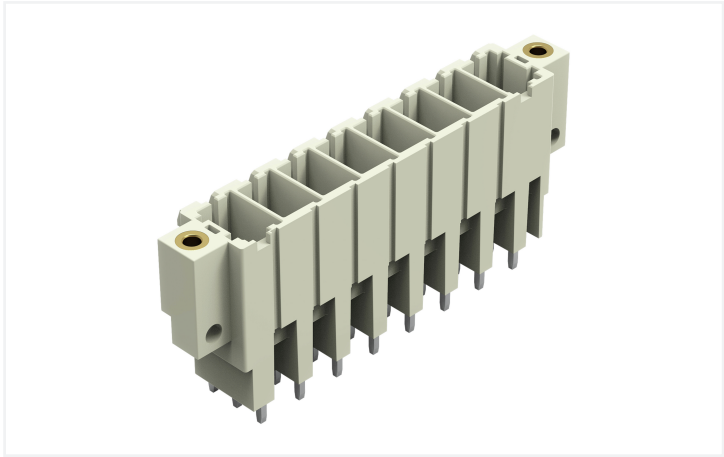
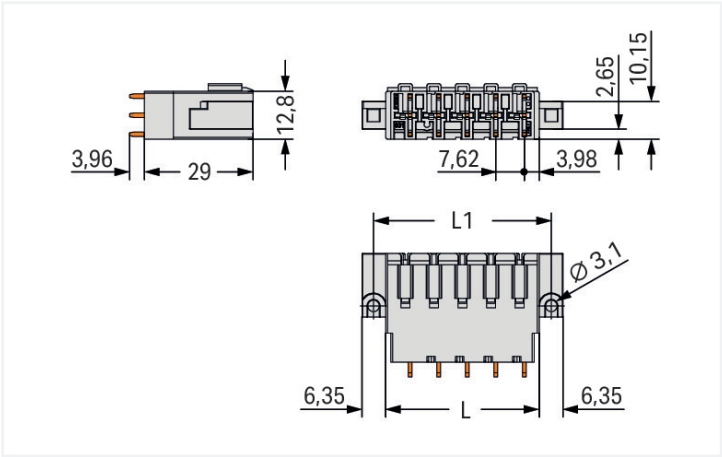




Color: ■ light gray





Dimensions in mm
L = pole no. x pin spacing + 2.9 mm
L1 = L + 6.5 mm

Male connector, 831 Series, light gray

Error-free electrical installations are guaranteed with this male connector (item number 831-3608/108-000). The dimensions are (76.6 x 33 x 14.8) mm (width x height x depth).

Tin is used for coating the contact surfaces. 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			Approvals per	
		UL 1059				
Overvoltage category	III	III	II	Use group	B	C
Pollution degree	3	2	2	Rated voltage	-	300 V
Nominal voltage	500 V	630 V	1000 V	Rated current	-	42 A
Rated impulse withstand voltage	6 kV	6 kV	6 kV			5 A
Rated current	41 A	41 A	41 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	8
Number of connection types	1
Number of levels	1

Connection 1

Pole number	8
-------------	---

Physical data

Pin spacing	7.62 mm / 0.3 inches
Width	76.6 mm / 3.014 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	0.392 MJ
Weight	25.1 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	4066966090864
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)	ca3b1455-20fe-49b7-8b17-1a977bc8ba27
SCIP notification number (Belgium)	7f19bc68-fda8-4874-9698-8c7ccf1c6aec
SCIP notification number (Bulgaria)	5792127f-d3c6-49d5-bb62-8bdc710e6aaa
SCIP notification number (Czech Republic)	3a2d8e63-084f-4539-a2c6-9505560bca18
SCIP notification number (Denmark)	f837e99a-7d47-4736-b2cc-c21bffaebdcb
SCIP notification number (Finland)	c8feda60-982d-407f-ab7e-0bff6d6df0a0
SCIP notification number (France)	dbd38fa9-14e6-4d1f-9feb-c50e75b9bdb3
SCIP notification number (Germany)	1bde70e7-a7e2-480c-90fb-5f5485632141
SCIP notification number (Hungary)	f80ba28a-e349-43ee-93e9-0c310baca980
SCIP notification number (Italy)	9e690a78-2dc9-447c-8ad5-b25738925b1d
SCIP notification number (Netherlands)	89c35e31-a18b-405b-b708-d73c1c55e8f0
SCIP notification number (Poland)	8937a595-c842-402b-ad8e-ea529b57eeda
SCIP notification number (Romania)	21594d68-7d16-4129-a37e-cdcec49521ef
SCIP notification number (Sweden)	eaedf25e-9644-49e4-b6c5-3e1c58deb98c

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	831-3608/108-000		

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

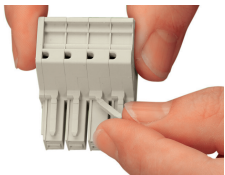
CAD data	
2D/3D Models	
831-3608/108-000	

CAE data	
ZUKEN Portal	
831-3608/108-000	

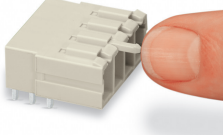
PCB Design	
Symbol and Footprint via SamacSys	
831-3608/108-000	
Symbol and Footprint via Ultra Librarian	
831-3608/108-000	

Installation Notes

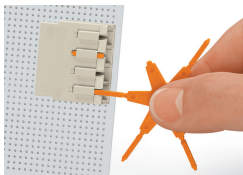
Coding



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.