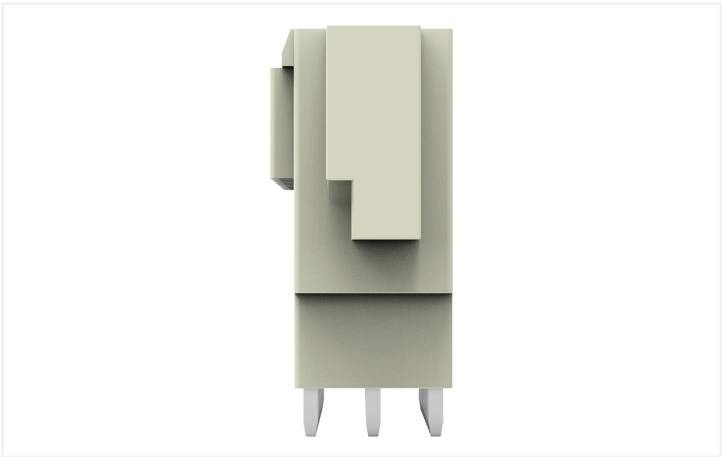
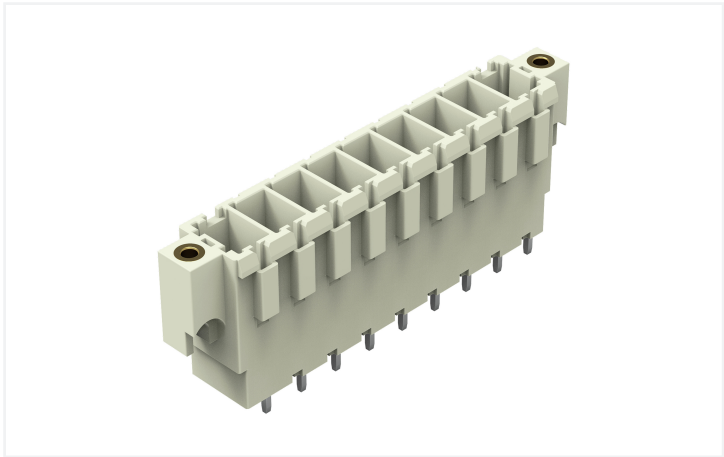
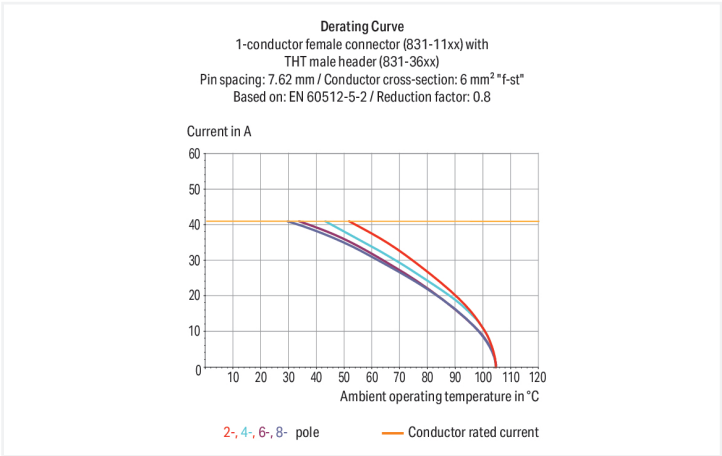
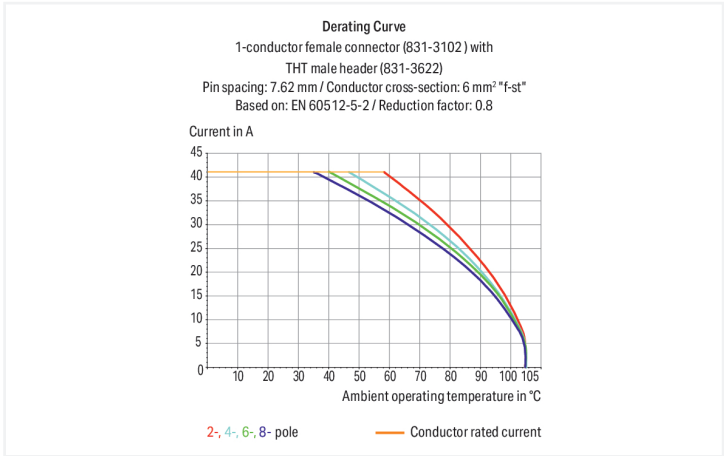
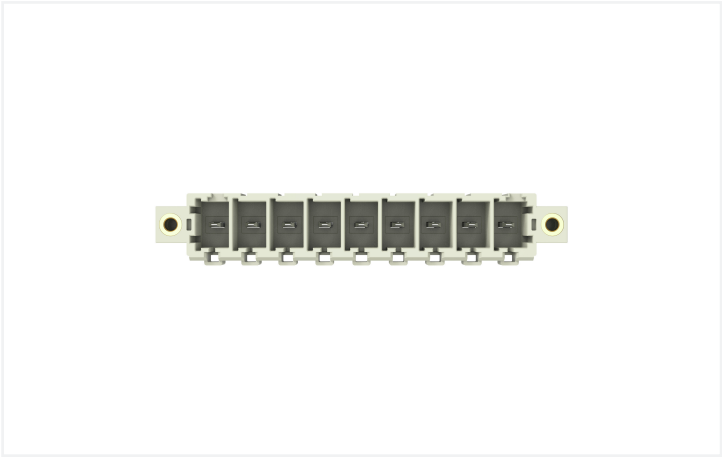
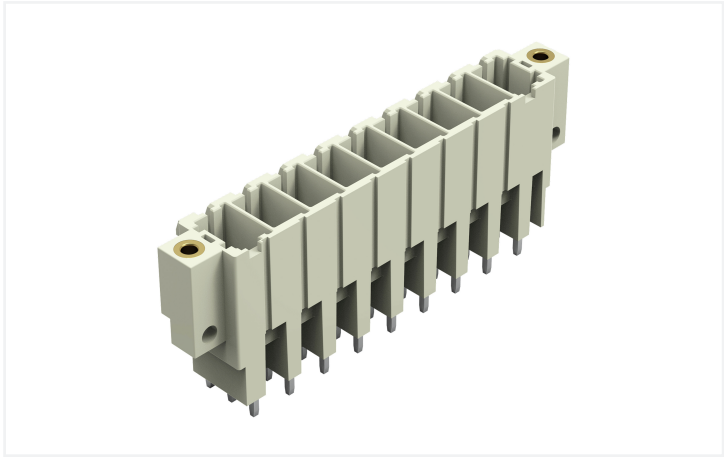
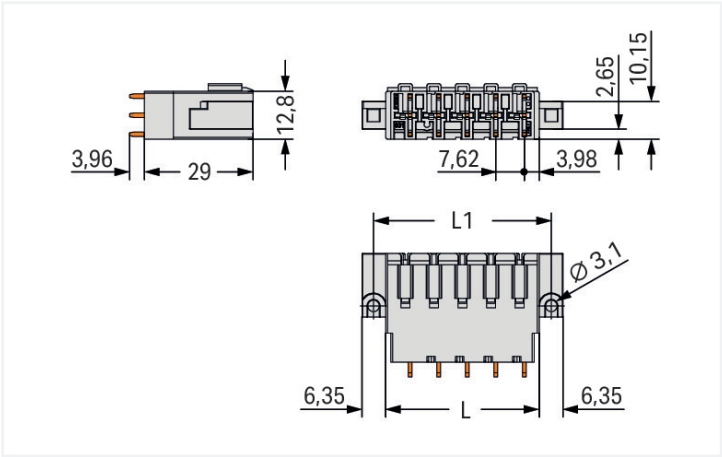




Color: ■ light gray





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

Male connector, 831 Series, light gray

Our male connector (item number 831-3609/108-000) is designed for seamless electrical installations. The dimensions are (84.2 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			Approvals per	
					UL 1059	
Overvoltage category		III	III	II	Use group	B C D
Pollution degree		3	2	2	Rated voltage	- 300 V 600 V
Nominal voltage		500 V	630 V	1000 V	Rated current	- 42 A 5 A
Rated impulse withstand voltage		6 kV	6 kV	6 kV		
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	9	Connection 1
Number of connection types	1	
Number of levels	1	
		Pole number 9

Physical data		
Pin spacing	7.62 mm / 0.3 inches	
Width	84.2 mm / 3.314 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	0.432 MJ	
Weight	27.8 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	4066966090833
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)	15683312-5d3d-41a5-b070-2fd499fef8c9
SCIP notification number (Belgium)	a27fac0e-e3db-4fa1-9aec-380ab032ec16
SCIP notification number (Bulgaria)	d0588fc2-7881-4de2-8b1d-ba8c14767052
SCIP notification number (Czech Republic)	1a12c2fc-2c6d-45a6-aff1-acac75dc1dc4
SCIP notification number (Denmark)	fa1f90ef-47ac-4c3b-9518-40f708878d53
SCIP notification number (Finland)	fba454f2-98dc-4f89-93b3-c637e6f8b9d5
SCIP notification number (France)	98dc8c03-2b0f-4b74-a17e-a4b1fc96f164
SCIP notification number (Germany)	f2baaf7c-639b-4efa-86b3-853f67d10739
SCIP notification number (Hungary)	9fe77515-b908-4d93-ab9a-dd0cce8064ee
SCIP notification number (Italy)	003edb06-abc3-4b93-81df-2d11146b98d2
SCIP notification number (Netherlands)	fe9e9995-796d-4ff2-b23d-2230b908cff6
SCIP notification number (Poland)	1d6c4bbc-f79b-4f6a-a32d-2b7c7fa77e8f
SCIP notification number (Romania)	b3a0c75a-b38e-4b3d-b37b-41e76cae6947
SCIP notification number (Sweden)	ab5ce183-4b22-46e3-95ba-bab443aa5f40

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
831-3609/108-000

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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
831-3609/108-000

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CAE data
ZUKEN Portal
831-3609/108-000

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PCB Design

Symbol and Footprint
via SamacSys
831-3609/108-000

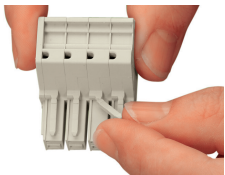
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Symbol and Footprint
via Ultra Librarian
831-3609/108-000

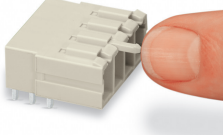
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Installation Notes

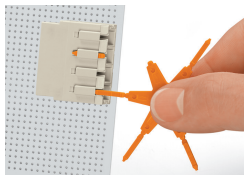
Coding



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.