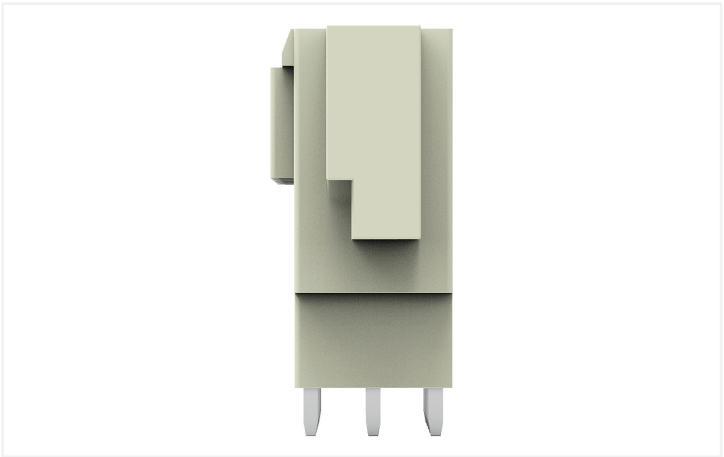
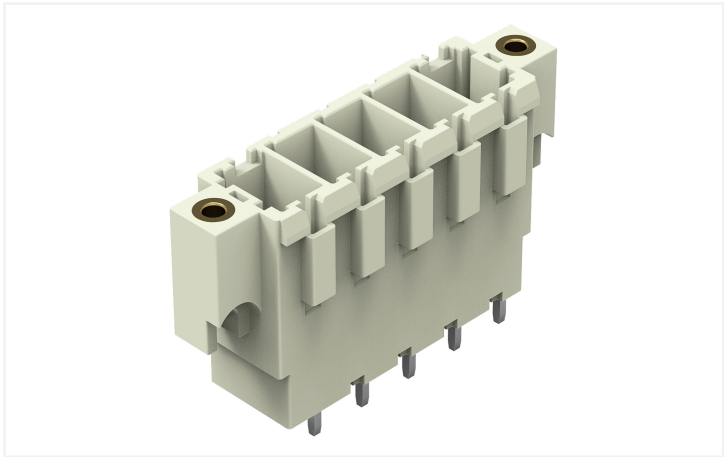
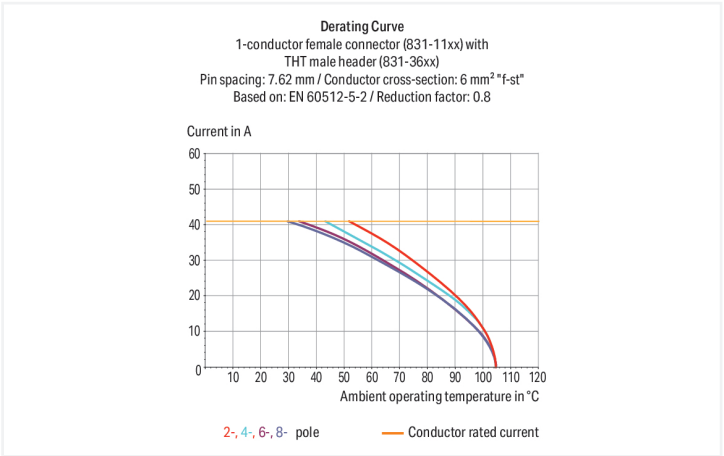
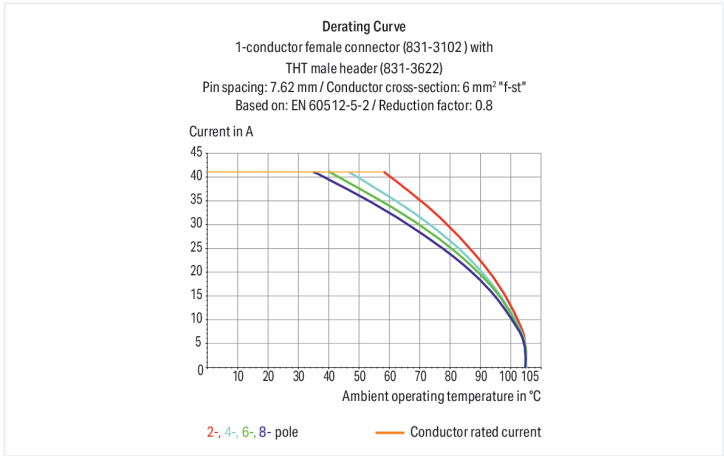
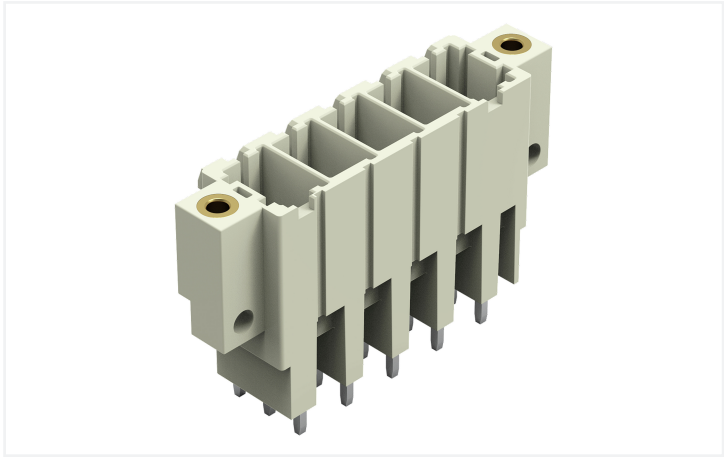
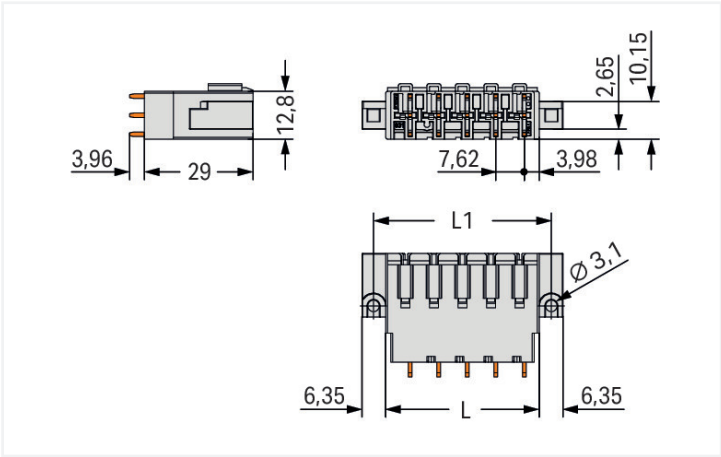




Color: ■ light gray





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

Male connector, 831 Series, light gray

Enjoy convenient electrical installations with this male connector (item number 831-3605/108-000). The item's dimensions are (53.7 x 33 x 14.8) mm (width x height x depth).

Tin is used for coating the contact surfaces. The pcb connector is designed for THT soldering.

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	5	Connection 1
Number of connection types	1	
Number of levels	1	
		Pole number 5

Physical data		
Pin spacing	7.62 mm / 0.3 inches	
Width	53.7 mm / 2.114 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	0.27 MJ	
Weight	17.1 g	



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

Commercial data	
PU (SPU)	24 pcs
Packaging type	Box
Country of origin	PL
GTIN	4066966090901
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)	94e11beb-364e-4880-86b8-22366e9a0a84
SCIP notification number (Belgium)	8d3029cc-283d-43e3-9f28-602152fee9b6
SCIP notification number (Bulgaria)	f0d574d5-d3b9-450e-93bd-8f592f96da1f
SCIP notification number (Czech Republic)	1e6cdddc-6126-443c-b2f9-31c2ab1ad127
SCIP notification number (Denmark)	86eb01d7-bc09-4443-8e63-03cf79f621e9
SCIP notification number (Finland)	1a81c87a-102f-4a9e-97fb-c703747bf8b8
SCIP notification number (France)	e5406922-20e9-49d9-8b75-269897c0ca12
SCIP notification number (Germany)	be63df1c-4fb1-4b33-90d4-d5dd5ca1f838
SCIP notification number (Hungary)	e97c1c64-9f2f-4ee9-9411-2efd6898b32b
SCIP notification number (Italy)	7acc6e66-a01d-4d06-91e6-dc0d37372a8e
SCIP notification number (Netherlands)	41fbd67a-9f4c-45eb-95d9-ef2c2cbdb528
SCIP notification number (Poland)	68954125-aa9e-471c-a2e4-6f6074341760
SCIP notification number (Romania)	7d3c2f0d-f2c6-4e90-8fc7-c02499901fbc
SCIP notification number (Sweden)	fe5ea1c7-f3a5-49aa-96e8-b3da2e296777

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	831-3605/108-000		

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

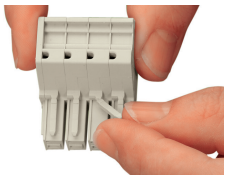
CAD data	
2D/3D Models	
831-3605/108-000	

CAE data	
ZUKEN Portal	
831-3605/108-000	

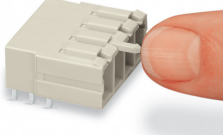
PCB Design	
Symbol and Footprint via SamacSys	
831-3605/108-000	
Symbol and Footprint via Ultra Librarian	
831-3605/108-000	

Installation Notes

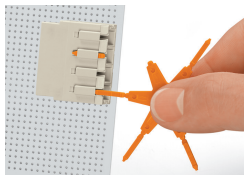
Coding



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.