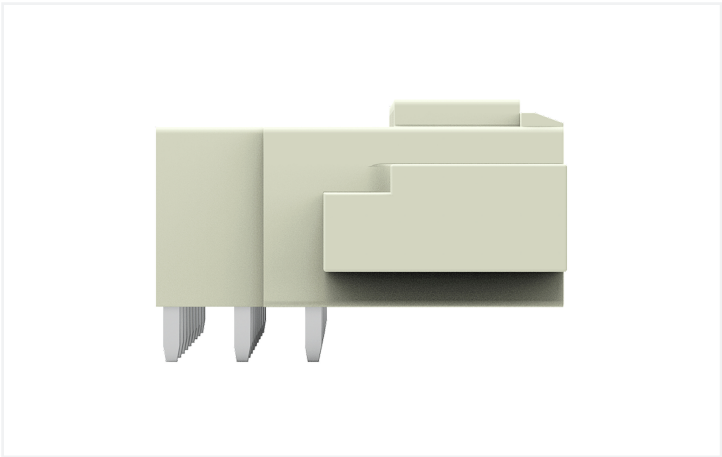
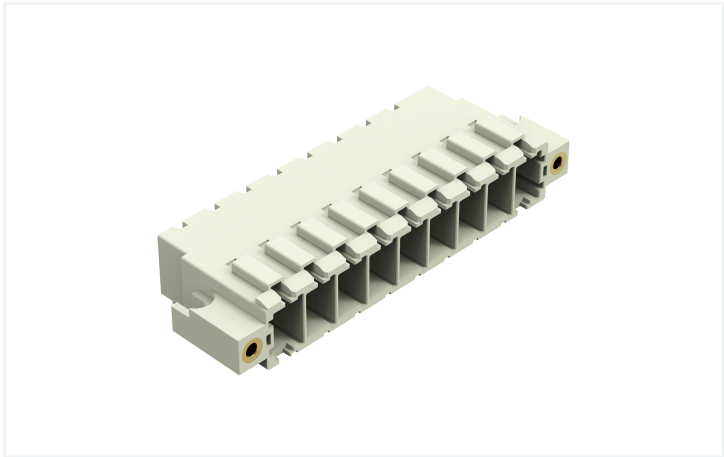
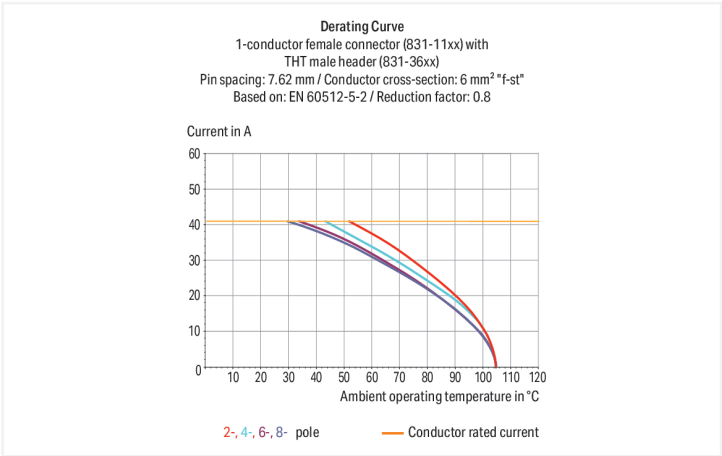
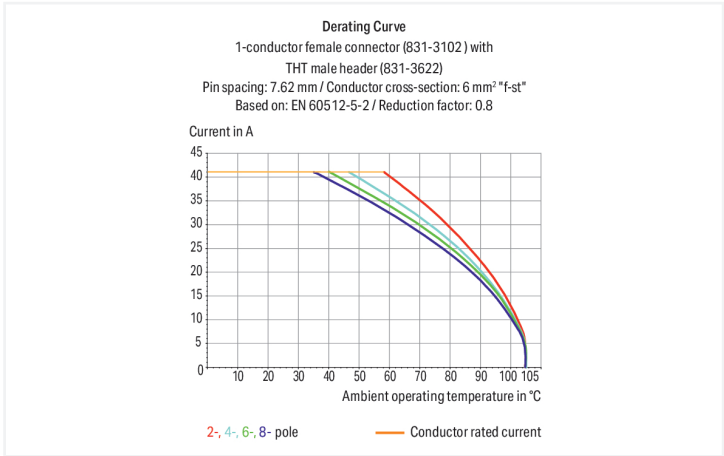
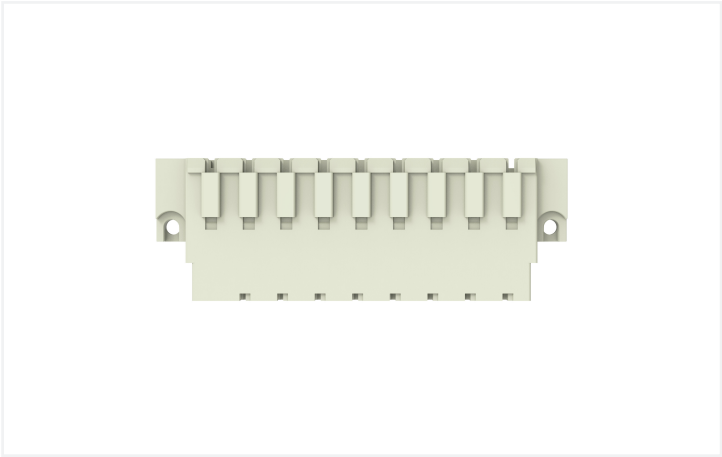
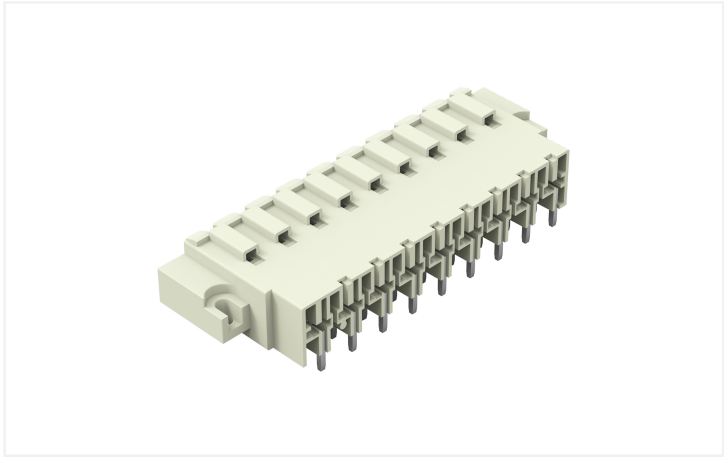
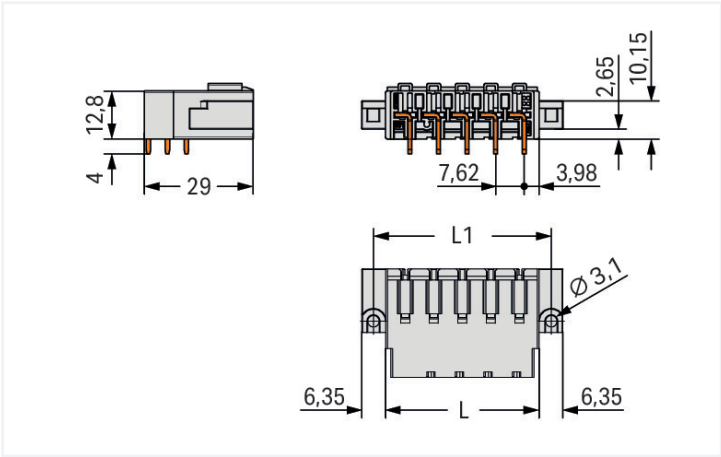




Color: ■ light gray





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

Male connector, 831 Series, light gray

Our male connector (item number 831-3629/108-000) is designed for seamless electrical installations. Dimensions: (84.2 x 18.8 x 29) 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			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	9	Connection 1	
Number of connection types	1	Pole number	9
Number of levels	1		

Physical data

Pin spacing	7.62 mm / 0.3 inches
Width	84.2 mm / 3.314 inches
Height	18.8 mm / 0.74 inches
Height from the surface	14.8 mm / 0.583 inches
Depth	29 mm / 1.142 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	0 °
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	0.428 MJ
Weight	26 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	4066966089721
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)	918c4740-0e42-4cac-bfe1-a7b65bffb62
SCIP notification number (Belgium)	1a0d964b-de74-4da6-a900-91ef8cf5b4bf
SCIP notification number (Bulgaria)	41f241c1-a468-45bd-a9cc-3e7ca8db0d05
SCIP notification number (Czech Republic)	3c0f3526-f0e3-4db5-8a6f-6d8ddbfa7bc5
SCIP notification number (Denmark)	c8c41cb2-6c24-47c7-aad0-a3739036ff7e
SCIP notification number (Finland)	dcfbf3d1-5287-47b9-ada3-00705e689fb6
SCIP notification number (France)	e8d82958-e6e0-4edb-8355-25bce3535376
SCIP notification number (Germany)	71a00584-bb36-4da1-9b89-66c09f0afb0a
SCIP notification number (Hungary)	535cefcfb-2105-4700-83be-f3b21bccd0e6
SCIP notification number (Italy)	184fd4b7-feb4-46a6-820a-ff0497c13548
SCIP notification number (Netherlands)	d3731b3f-fc20-4fda-9272-f7a6949be670
SCIP notification number (Poland)	db29d84a-ea79-4399-a5c1-8fd58f8d88c8
SCIP notification number (Romania)	7ae0b2b1-779c-4fe4-b2fe-288cd11ddc70
SCIP notification number (Sweden)	9ade7e11-71bc-487f-82a1-b6daf6856ee1

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
UL Underwriters Laboratories Inc.	UL 1059	UL-US-2426356-0

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
831-3629/108-000

↓

Documentation

Additional Information

Technical Section03.04.2019pdf2027.26 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models
831-3629/108-000

↓

CAE data

ZUKEN Portal
831-3629/108-000

↓

PCB Design

Symbol and Footprint
via SamacSys
831-3629/108-000

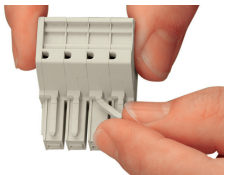
↓

Symbol and Footprint
via Ultra Librarian
831-3629/108-000

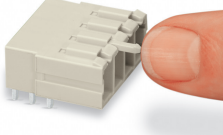
↓

Installation Notes

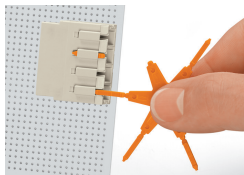
Coding



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.