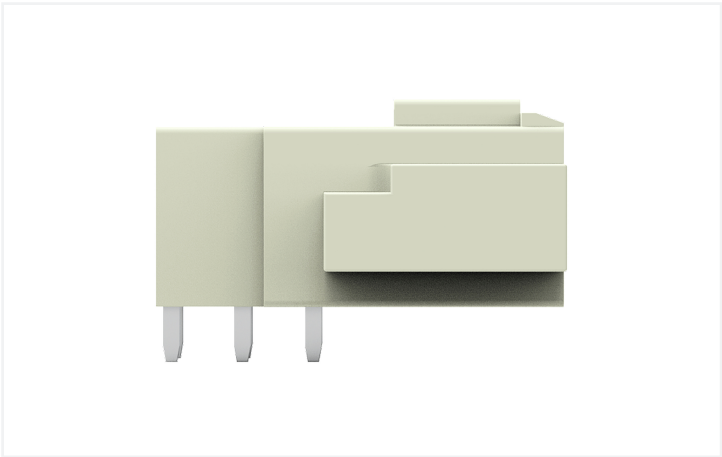
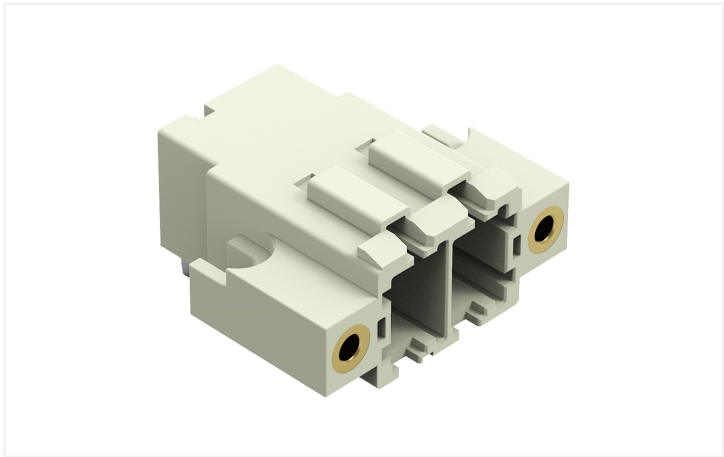
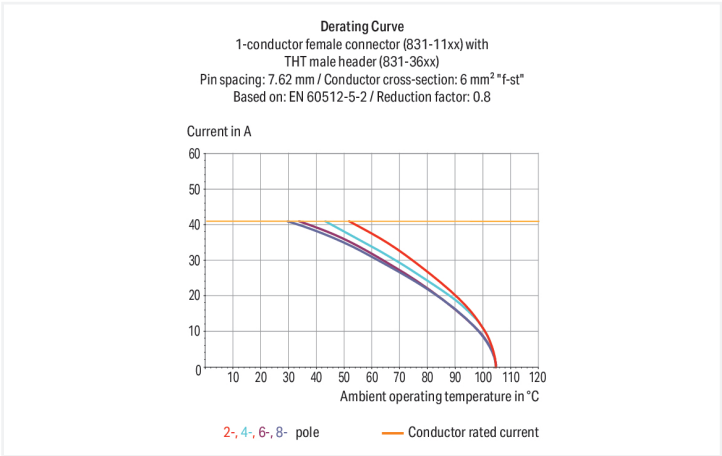
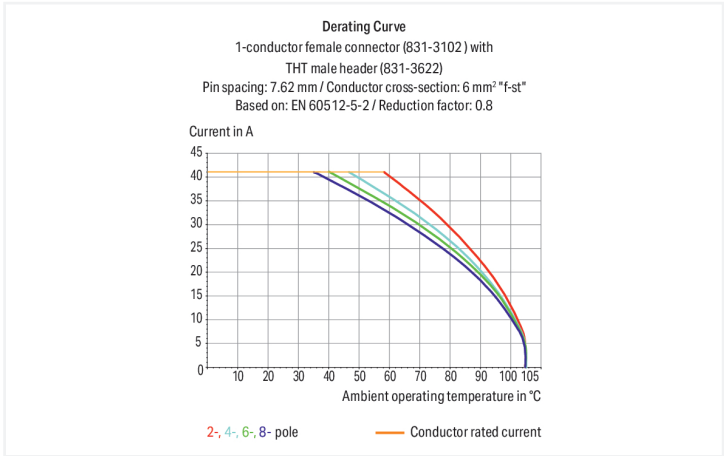
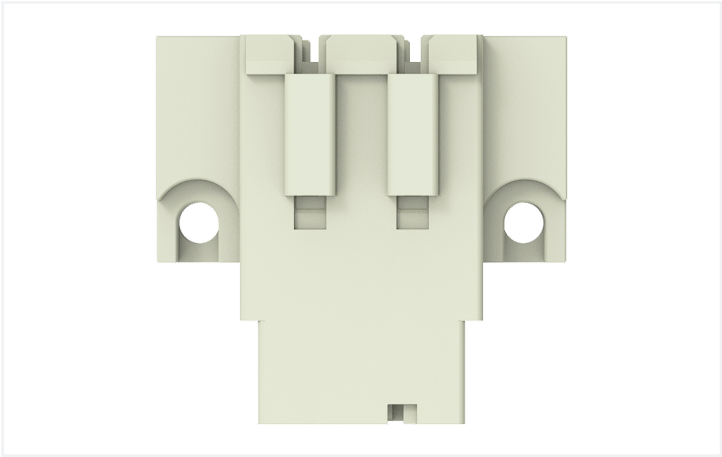
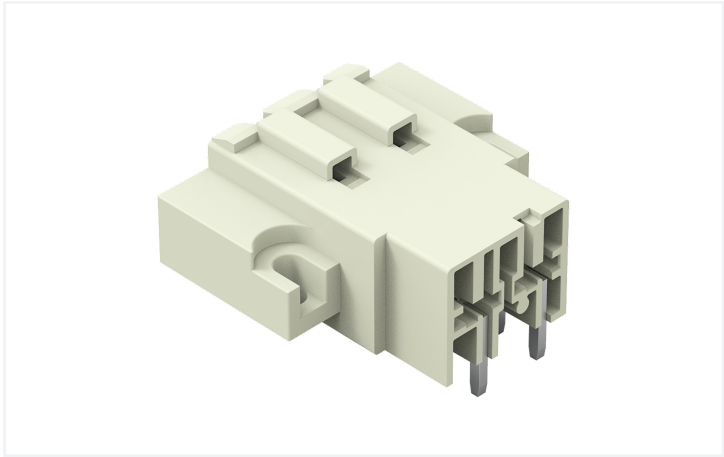
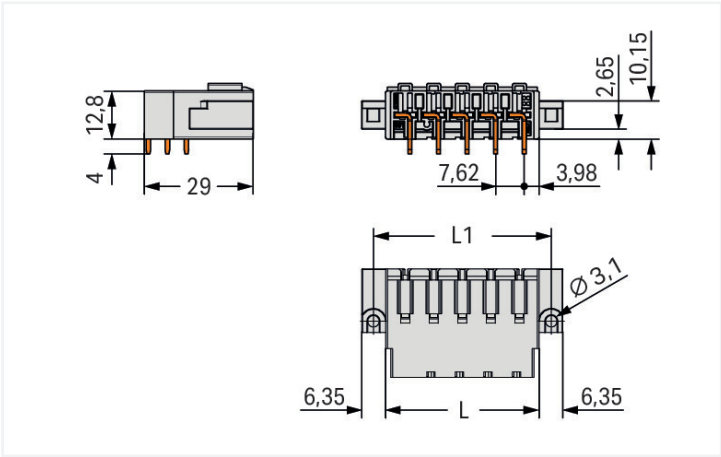




Color: ■ light gray





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

Error-free electrical installations are guaranteed with this male connector (item number 831-3622/108-000). The dimensions are (30.8 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		
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	2
Number of connection types	1
Number of levels	1

Connection 1

Pole number	2
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Physical data

Pin spacing	7.62 mm / 0.3 inches
Width	30.8 mm / 1.214 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	0.148 MJ
Weight	8.7 g



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

Commercial data	
PU (SPU)	48 pcs
Packaging type	Box
Country of origin	PL
GTIN	4066966089738
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)	f344369e-020e-4d4d-ac2c-ff89a1f9ee9b
SCIP notification number (Belgium)	49995fea-0121-4f23-b48e-f4459d00424d
SCIP notification number (Bulgaria)	2ec6b35f-a9a8-4682-8779-35e87e6c2c98
SCIP notification number (Czech Republic)	1c267da8-b6b9-4ed0-9904-39615c9ff630
SCIP notification number (Denmark)	acf26b0e-1ef6-4b02-b36a-a34a26f52c1f
SCIP notification number (Finland)	bc5b92d9-95de-4d42-b172-3580683fc0be
SCIP notification number (France)	6709d9b7-4145-4b80-9a67-7d17da6a9536
SCIP notification number (Germany)	a870dc2c-100e-4200-95d6-904bbf661e7d
SCIP notification number (Hungary)	5a1e9dd1-f884-4e8a-968b-8ed6b66072e7
SCIP notification number (Italy)	8f86b3df-4483-4ab2-8f30-cf67fef81757
SCIP notification number (Netherlands)	280b7fa0-d781-43ea-80fa-2182b907bd2e
SCIP notification number (Poland)	48967884-8c61-45ea-9bfa-6a4844fc3f0d
SCIP notification number (Romania)	924cbf76-f409-445f-bd66-a4f28f9ee3f0
SCIP notification number (Sweden)	90de980a-f0d1-4d06-9b8f-7030e81e592a

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
831-3622/108-000

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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
831-3622/108-000

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CAE data
ZUKEN Portal
831-3622/108-000

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PCB Design

Symbol and Footprint
via SamacSys
831-3622/108-000

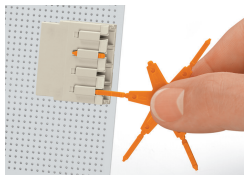
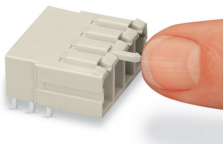
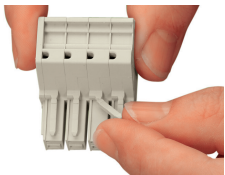
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Symbol and Footprint
via Ultra Librarian
831-3622/108-000

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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.