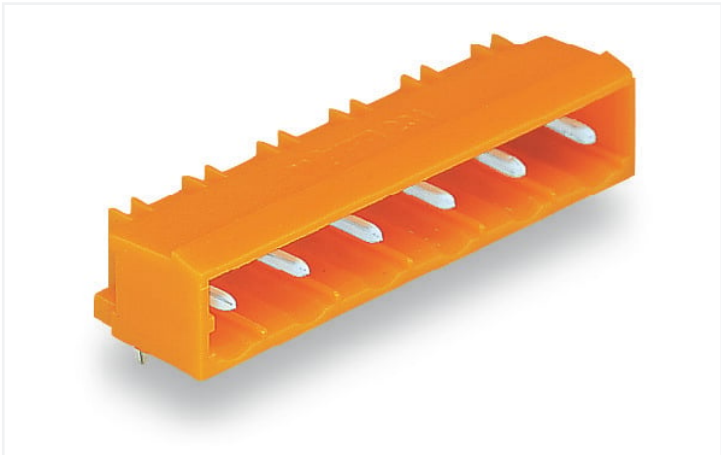
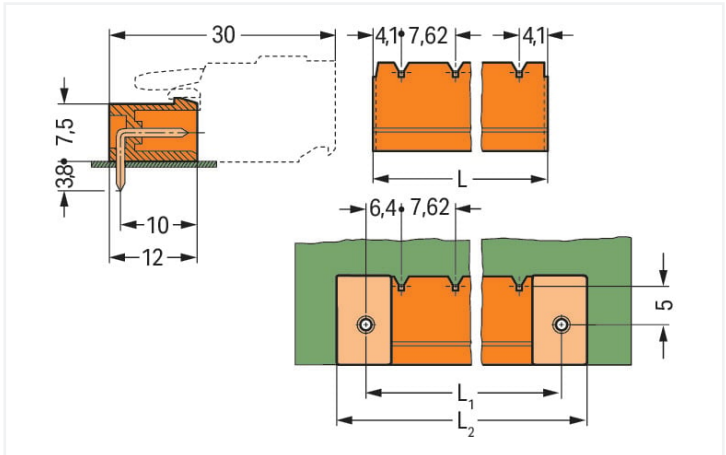


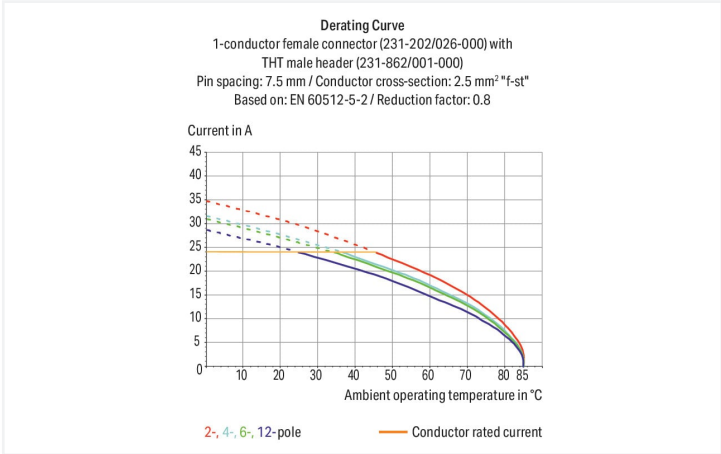


Color: ■ orange

Similar to illustration



Dimensions in mm
 $L = (\text{pole no.} - 1) \times \text{pin spacing} + 8.2 \text{ mm}$
 $L1 = L + 5 \text{ mm}$
 $L2 = L1 + 7.4 \text{ mm}$



- Horizontal or vertical PCB mounting via straight or angled solder pins
- Pin cross-section: 1 x 1 mm
- With coding fingers

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 3.8 mm pin projection for male headers with straight solder pins Gold-plated or partially gold-plated contact surfaces 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 surge voltage	6 kV	6 kV	6 kV	
Rated current	12 A	12 A	12 A	
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		10 A	-	10 A
Approvals per		UL 1977		
Rated voltage		600 V		
Rated current		10 A		
Approvals per		CSA		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		10 A	-	10 A
Connection data				
Total number of potentials	12	Connection 1		
Number of connection types	1	Pole number	12	
Number of levels	1			
Physical data				
Pin spacing		7.62 mm / 0.3 inches		
Width		92.02 mm / 3.623 inches		
Height		12.2 mm / 0.48 inches		
Height from the surface		8.4 mm / 0.331 inches		
Depth		12 mm / 0.472 inches		
Solder pin length		3.8 mm		
Solder pin dimensions		1 x 1 mm		
Drilled hole diameter with tolerance		1.4 ^(+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		No		
Mating direction to the PCB		0°		
PCB contact				
PCB contact		THT		
Solder pin arrangement		over the entire male connector (in-line)		
Number of solder pins per potential		1		



Material data		
Note (material data)		Information on material specifications can be found here
Color		orange
Material group		I
Insulation material		Polyamide (PA66)
Flammability class per UL94		V0
Contact material		Electrolytic copper (E _{CU})
Contact plating		Tin
Fire load		0.093 MJ
Weight		4.6 g

Environmental requirements		
Limit temperature range		-60 ... +100 °C
Processing temperature		-35 ... +60 °C

Commercial data		
Product Group		3 (Multi Conn. System)
eCl@ss 10.0		27-44-04-02
eCl@ss 9.0		27-44-04-02
ETIM 8.0		EC002637
ETIM 7.0		EC002637
PU (SPU)		50 pcs
Packaging type		Box
Country of origin		PL
GTIN		4044918868709
Customs tariff number		85366930000

Environmental Product Compliance		
RoHS Compliance Status		Compliant,No Exemption

Approvals / Certificates

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	19-HG1869876-PDA



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance231-942/001-000

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Documentation

Additional Information

Technical Section03.04.2019pdf2027.26 KB

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CAD/CAE-Data

CAD data

2D/3D Models231-942/001-000

↓

CAE data

EPLAN Data Portal231-942/001-000

↓

ZUKEN Portal231-942/001-000

↓

PCB Design

Symbol and Footprint via SamacSys231-942/001-000

↓

Symbol and Footprint via Ultra Librarian231-942/001-000

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1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 732-132/026-000](#)
1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.62 mm; 12-pole; 2,50 mm²; orange



[Item No.: 231-712/026-000](#)
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.62 mm; 12-pole; 2,50 mm²; orange



[Item No.: 231-712/027-000](#)
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.62 mm; 12-pole; clamping collar; 2,50 mm²; orange



[Item No.: 231-712/031-000](#)
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.62 mm; 12-pole; clamping collar; 2,50 mm²; orange



[Item No.: 231-712/037-000](#)
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.62 mm; 12-pole; Lateral locking levers; 2,50 mm²; orange



[Item No.: 2231-712/026-000](#)
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.62 mm; 12-pole; 2,50 mm²; orange



[Item No.: 2231-712/031-000](#)
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.62 mm; 12-pole; clamping collar; 2,50 mm²; orange



[Item No.: 2231-712/037-000](#)
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.62 mm; 12-pole; Lateral locking levers; 2,50 mm²; orange



[Item No.: 231-2712/037-000](#)
2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.62 mm; 12-pole; Lateral locking levers; 2,50 mm²; orange



[Item No.: 231-2712/026-000](#)
2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.62 mm; 12-pole; with integrated end plate; 2,50 mm²; orange

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



Item No.: [231-130](#)
Coding key; snap-on type; light gray

1.2.1.2 Intermediate plate



Item No.: [231-500](#)
Spacer; for formation of groups; light gray

1.2.2 Installation

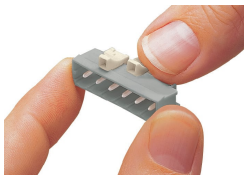
1.2.2.1 Mounting accessories



Item No.: [231-393](#)
Locking device; for male connectors; 1 part; orange

Installation Notes

Coding



Coding a male header – fitting coding key (s).