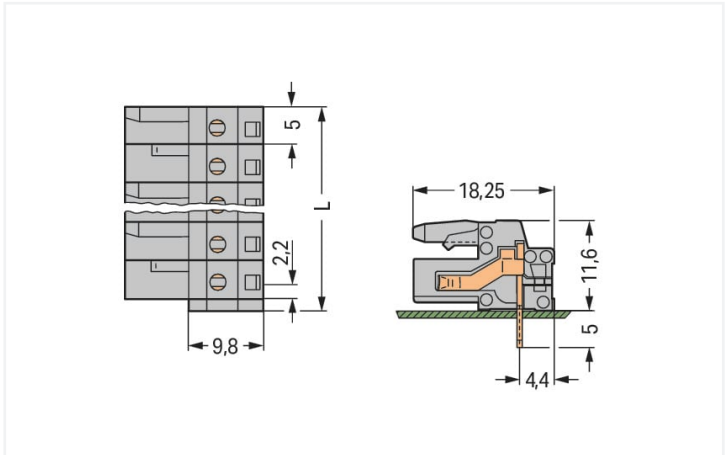
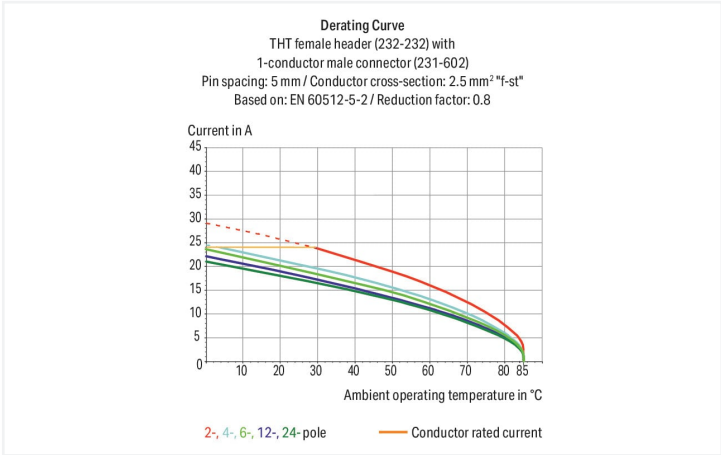




Color: ■ gray



Dimensions in mm
 $L = (\text{pole no.} \times \text{pin spacing}) + 1.5 \text{ mm}$
Distance to first solder pin: 2.2 mm
2- to 3-pole female connectors – one latch only



- Horizontal or vertical PCB mounting via straight or angled solder pins
- For board-to-board and board-to-wire connections
- Touch-proof PCB outputs
- Easy-to-identify PCB inputs and outputs
- 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/ .
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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 - 300 V
Nominal voltage	320 V	320 V	630 V		Rated current	15 A - 10 A
Rated surge voltage	4 kV	4 kV	4 kV			
Rated current	12 A	12 A	12 A			

Approvals per		UL 1977			Approvals per	
		CSA				
Rated voltage		600 V			Use group	B C D
Rated current		15 A			Rated voltage	300 V - 300 V
					Rated current	15 A - 10 A

Connection data			
Connection points	8	Connection 1	
Total number of potentials	8	Pole number	8
Number of connection types	1		
Number of levels	1		

Physical data		
Pin spacing		5 mm / 0.197 inches
Width		41.5 mm / 1.634 inches
Height		16.6 mm / 0.654 inches
Height from the surface		11.6 mm / 0.457 inches
Depth		18.25 mm / 0.719 inches
Solder pin length		5 mm
Solder pin dimensions		0.6 x 1 mm
Drilled hole diameter with tolerance		1.3 ^(+0.1) mm

Mechanical data		
Variable coding		Yes
Anti-rotation protection		Yes

Plug-in connection		
Contact type (pluggable connector)		Female connector/socket
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 female connector (in-line)
Number of solder pins per potential		1



Material data		
Note (material data)		Information on material specifications can be found here
Color		gray
Material group		I
Insulation material		Polyamide (PA66)
Flammability class per UL94		V0
Contact material		Copper alloy
Contact plating		Tin
Fire load		0.175 MJ
Weight		7.4 g

Environmental requirements		
Limit temperature range		-60 ... +85 °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		DE
GTIN		4044918579193
Customs tariff number		85366990990

Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption

Downloads		
Environmental Product Compliance		
Compliance Search		
Environmental Product Compliance 232-238		

Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 2010.85 KB	



CAD/CAE-Data	
CAD data 2D/3D Models 232-238 ↓	CAE data EPLAN Data Portal 232-238 ↓ ZUKEN Portal 232-238 ↓

1 Compatible Products
1.1 System counterpart
1.1.1 Male connector/plug



Item No.: 231-608 1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 8-pole; 2,50 mm²; gray	Item No.: 231-608/019-000 1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 8-pole; clamping collar; 2,50 mm²; gray
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1.2 Optional Accessories
1.2.1 Test and measurement
1.2.1.1 Testing accessories



Item No.: 231-661 Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing; 2,50 mm²; light gray
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