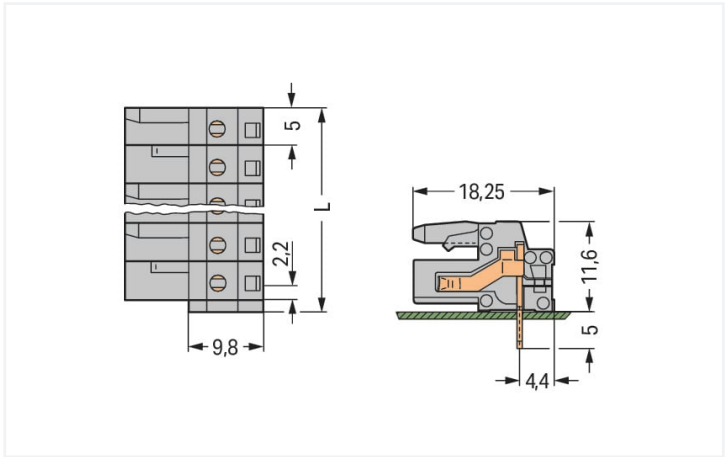




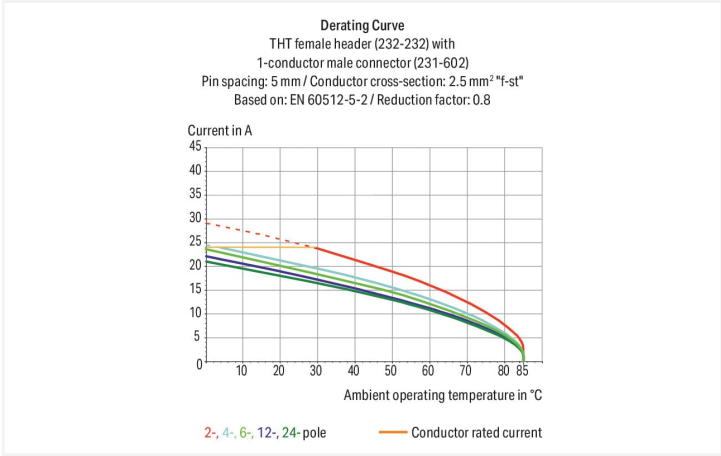
<https://www.wago.com/232-233>



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/ .

Electrical data



Ratings per		IEC/EN 60664-1		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		320 V	320 V	630 V
Rated surge voltage		4 kV	4 kV	4 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		15 A	-	10 A

Approvals per		UL 1977		
Rated voltage		600 V		
Rated current		15 A		

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

Connection data				
Total number of potentials	3	Connection 1		
Number of connection types	1			
Number of levels	1			
Pole number	3			

Physical data		
Pin spacing	5 mm / 0.197 inches	
Width	16.5 mm / 0.65 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		0.071 MJ
Weight		2.9 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)		100 pcs
Packaging type		Box
Country of origin		DE
GTIN		4044918579117
Customs tariff number		85366990990

Environmental Product Compliance		
RoHS Compliance Status		Compliant,No Exemption

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 232-233

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Documentation

Additional Information

Technical Section


03.04.2019



pdf
1949.09 KB

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CAD/CAE-Data



CAD data
2D/3D Models 232-233


CAE data
EPLAN Data Portal 232-233

ZUKEN Portal 232-233


1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



[Item No.: 231-603](#)
1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; 2,50 mm²; gray



[Item No.: 231-603/019-000](#)
1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; clamping collar; 2,50 mm²; gray



[Item No.: 231-603/032-000](#)
1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; Strain relief plate; 2,50 mm²; gray

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