THT female header; straight; Pin spacing 5.08 mm; 3-pole; 0.6 x 1.0 mm solder pin;

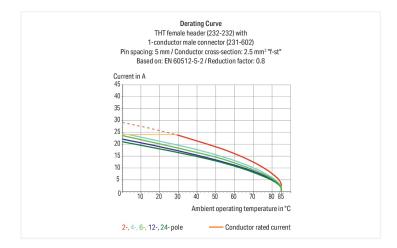
orange

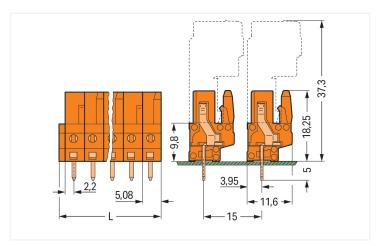
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Dimensions in mm

- L = (pole no. x pin spacing) + 1.5 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

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Safety Information

Variants:

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.

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	IE	C/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	В	С	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	В	С	D
Rated voltage	300 V	-	300 V
Rated current	15 A	-	10 A

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

Connection 1	
Pole number	3

Physical data	
Pin spacing	5.08 mm / 0.2 inches
Width	16.74 mm / 0.659 inches
Height	23.25 mm / 0.915 inches
Height from the surface	18.25 mm / 0.719 inches
Depth	11.6 mm / 0.457 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	90°

PCB contact	
PCB contact	ТНТ
Solder pin arrangement	over the entire female connector (in-line)
Number of solder pins per potential	1

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Material data	
Note (material data)	
	<u>Information on material specifications can be found here</u>
Color	orange
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper alloy
Contact Plating	Tin
Fire load	0.05 MJ
Weight	2.9 g

Environmental requirements		
Limit temperature range	-60 +85 °C	Environmental Testing (Environmental Conditions)
Processing temperature	-35 +60 °C	Test specification DIN EN 50155 (VDE 0115-200):2022-06 Railway applications – Rolling stock – Electronic equipment
		Test procedure DIN EN 61373 (VDE 0115-0106):2011-04 Railway applications – Rolling stock equipment – Shock and vibration tests
		Spectrum/Installation location Service life test, Category 1, Class A/B
		Function test with noise-like vibration Test passed according to Section 8 of the standard
		Frequency $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$
		Acceleration 0.101g (highest test level used for all axes) 0.572g (highest test level used for all axes) 5g (highest test level used for all axes)
		Test duration per axis 10 min. 5 h
		Test directions X, Y and Z axes
		Monitoring for contact faults/interrupti- Passed ons
		Voltage drop measurement before and Passed after each axis
		Simulated service life test through increased levels of noise-like vibration Test passed according to Section 9 of the standard
		Extended test scope: Monitoring for con- tact faults/interruptions Passed
		Extended test scope: Voltage drop mea- surement before and after each axis Passed
		Shock test Test passed according to Section 10 of the standard
		Shock form Half sine
		Shock duration 30 ms
		Number of shocks per axis 3 pos. und 3 neg.
		Vibration and shock stress for rolling Passed stock equipment

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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 9.0	EC002637
ETIM 8.0	EC002637
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918578684
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status Compliant, No Exemption

Approvals / Certificates

General approvals





Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-39756/A1
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-121453
UL UL International Germany GmbH	UL 1977	E45171
UR Underwriters Laboratories Inc.	UL 1059	E45172

Declarations of conformity and manufacturer's declarations



Approval	Standard	Certificate Name
Railway WAGO GmbH & Co. KG	-	Railway Ready

Approvals for marine applications



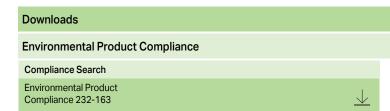


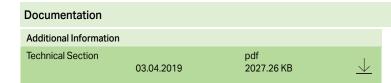


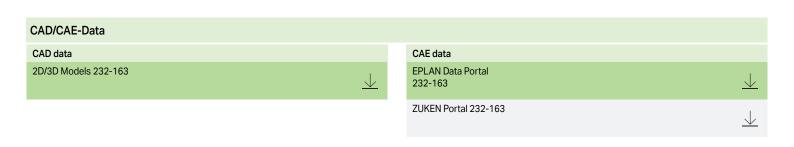
Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	19-HG15869876-PDA
DNV DNV GL SE	-	TAE000016Z
LR Lloyds Register	IEC 61984	96/20035 (E5)

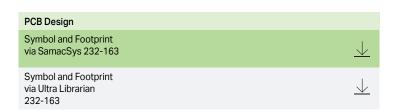
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1.2 Optional Accessories

1.2.1 Test and measurement

1.2.1.1 Testing accessories



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

Subject to changes. Please also observe the further product documentation!

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