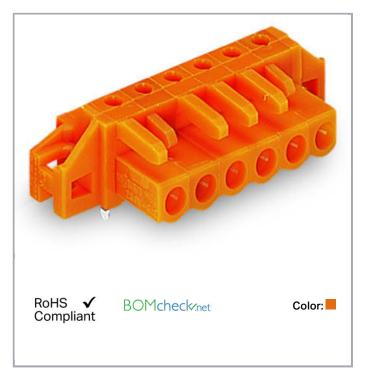
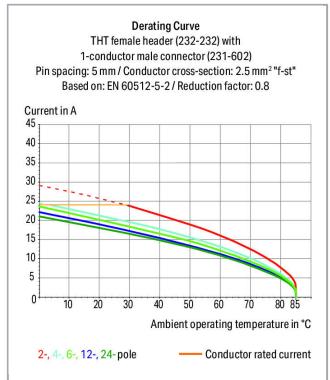
THT female header; 0.6 x 1.0 mm solder pin; angled; clamping collar; Pin

spacing 5.08 mm; 16-pole; orange

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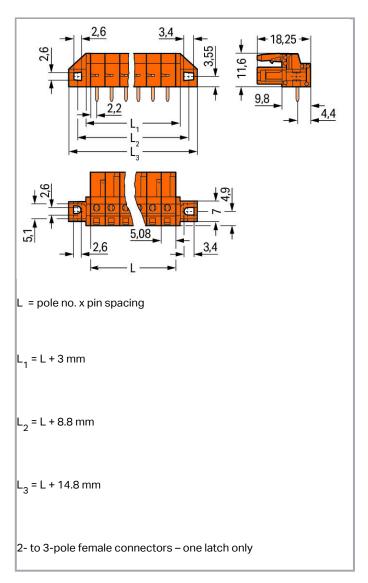




 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Item description

- 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

Safety information 1:

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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. The circuit design should ensure header pins, which can be touched, are not live when unmated.

Data Electrical data

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	320 V
Rated impulse voltage (III / 3)	4 kV
Rated voltage (III / 2)	320 V
Rated impulse voltage (III / 2)	4 kV
Rated voltage (II / 2)	630 V
Rated impulse voltage (II / 2)	4 kV
Rated current	12 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

Approvals per UL 1059

Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A
Approvals per	UL 1059

Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	15 A

Approvals per CSA

Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	15 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Connection data

No. of poles	16
Total number of potentials	16
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	5,08 mm / 0.2 inch
Width	96,08 mm / 3.783 inch
Height	16,6 mm / 0.654 inch
Height from the surface	11,6 mm / 0.457 inch
Depth	18,25 mm / 0.719 inch
Solder pin length	5 mm
Solder pin dimensions	0,6 x 1 mm
Drilled hole diameter (tolerance)	1,3 ^(+0,1) mm

Mechanical data

Mounting type	Mounting flange
Type of mounting	Feed-through mounting
	Panel mounting

Plug 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

Color	orange

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Material group	I .
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	VO
Contact material	Copper alloy
Contact plating	tin-plated
Fire load	0.246 MJ
Weight	14.5 g

Environmental Requirements

Limit temperature range -60 ... +85 °C

Commercial data

Product Group	3 (Multi Conn. System)
Packaging type	BOX
Country of origin	DE
GTIN	4044918625654
Customs Tariff No.	85366990990

Approvals / Certificates

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
ABS.	ABS American Bureau of Shipping	-	19- HG15869876- PDA

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
W	UL UL International Germany GmbH	UL 1977	E45171
	UR Underwriters Laboratories Inc.	UL 1059	E45172 sec. 18

 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Counterpart



Item no.231-646

1-conductor male connector; 2.5 mm²; Pin spacing 5.08 mm; 16-pole; 2,50 mm²; orange

Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing; 2,50 mm²; light gray

www.wago.com/231-646

Compatible products

assem	bl	lir	ıa

_			
	Item no.: 231-194 Self-tapping screw; B 2.2x13, fixing hole 1.8 mm Ø	www.wago.com/231-194	
0.12	Item no.: 231-195	/004 405	
1000	Screw with nut; M2x12; for fixing element	www.wago.com/231-195	
0.00	Item no.: 231-295	/004.005	
Carlo Carlo	Screw with nut	www.wago.com/231-295	
Test Access	ories		
	Item no.: 210-136	(040,400	
	Test plug; 2 mm Ø; with 500 mm cable; red	www.wago.com/210-136	
	Item no.: 210-137		
	Test plug; 2.3 mm Ø; with 500 mm cable; yellow	www.wago.com/210-137	
	Item no.: 231-661		
	Tact plugg for famala connectors for 5 mm and 5.09 mm pin specing: 2.50 mm ² : light gray	www.wago.com/231-661	

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf	Download
		3.6 MB	

CAD/CAE-Data

CAE data

EPLAN Data Portal 232-276/031-000		Download

PCB Design

Symbol and Footprint 232-276/031-000 URL Download

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CAx data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

Installation Notes

Application

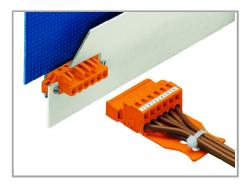
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The innovative flange design provides standard panel mounting options or various through-panel mounting configurations. Depending on the type of application and flange, female headers can be used either for through-panel or flush mount applications.

Product family

<i>MCS</i> MIDI Classic Learn more about the product family.

Show all products from the family

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