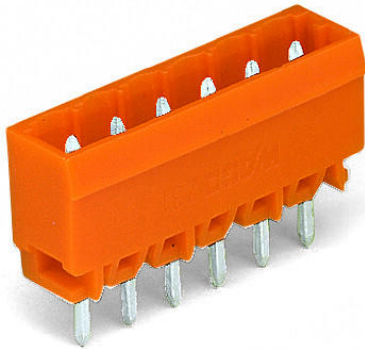


Data sheet | Item number: 231-332/001-000

THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5.08 mm; 2-pole; orange

www.wago.com/231-332_001-000

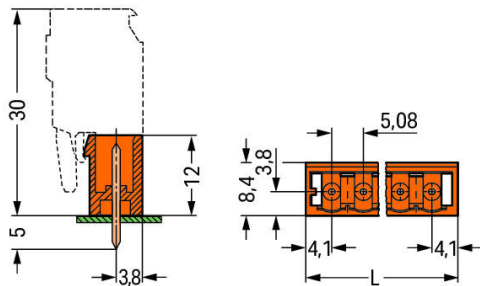
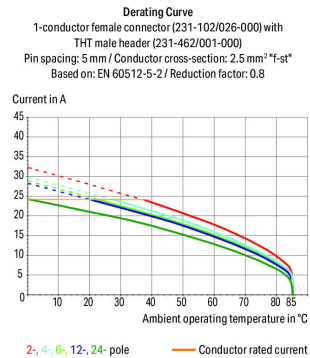


 Picture differs from the item.

RoHS
Compliant



Color: 



$$L = (\text{pole no.} - 1) \times \text{pin spacing} + 8.2 \text{ mm}$$

Item description

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

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

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**Safety information 1:**

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
Nominal voltage (III/3)	320 V
Rated surge voltage (III/3)	4 kV
Rated voltage (III/2)	320 V
Rated surge voltage (III/2)	4 kV
Nominal voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV
Rated current	12 A
Legend (ratings)	(III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2

Ratings per UL 1059

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

Ratings per UL 1977

Rated voltage UL 1977	600 V
Rated current UL 1977	10 A

Ratings per CSA

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

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



Connection data

Pole No.	2
Total number of potentials	2
Number of connection types	1
Number of levels	1

Physical data

Pin spacing	5.08 mm / 0.2 inch
Width	13.28 mm / 0.523 inch
Height	17 mm / 0.669 inch
Height from the surface	12 mm / 0.472 inch
Depth	8.4 mm / 0.331 inch
Solder pin length	5 mm
Solder pin dimensions	1 x 1 mm
Drilled hole diameter with tolerance	1.4 ^(+0.1) mm

Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCB
Mismating protection	No
Mating direction to the PCB	90°

PCB contact

PCB Contact	THT
Solder pin arrangement	over the entire male connector (in-line)
Number of solder pins per potential	1

Material data

Color	orange
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0.017 MJ

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Weight	0.8 g
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Environmental requirements

Limit temperature range	-60 ... +100 °C
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Commercial data

Product Group	3 (Multi Conn. System)
Packaging type	BOX
Country of origin	PL
GTIN	4044918865173
Customs tariff number	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-39756
	CSA DEKRA Certification B.V.	C22.2	1466354
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	2190761.01

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19-HG1869876-PDA

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1977	E45171

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



UR
Underwriters Laboratories Inc.

UL 1059

E45172

Counterpart



Item no.231-302/026-000
1-conductor female plug; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; 2,50 mm²; orange

www.wago.com/231-302/026-000



Item no.231-2302/026-000
2-conductor female connector; with integrated end plate; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; 2,50 mm²; orange

www.wago.com/231-2302/026-000



Item no.231-2302/037-000
2-conductor female connector; Locking lever; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; 2,50 mm²; orange

www.wago.com/231-2302/037-000



Item no.2231-302/031-000
1-conductor female plug; push-button; clamping collar; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; 2,50 mm²; orange

www.wago.com/2231-302/031-000



Item no.2231-302/026-000
1-conductor female plug; push-button; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; 2,50 mm²; orange

www.wago.com/2231-302/026-000



Item no.2231-302/037-000
1-conductor female plug; push-button; Locking lever; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; 2,50 mm²; orange

www.wago.com/2231-302/037-000



Item no.231-302/031-000
1-conductor female plug; clamping collar; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; 2,50 mm²; orange

www.wago.com/231-302/031-000



Item no.231-302/102-000
1-conductor female plug; with integrated end plate; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; 2,50 mm²; orange

www.wago.com/231-302/102-000



Item no.2231-302/102-000
1-conductor female plug; push-button; with integrated end plate; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; 2,50 mm²; orange

www.wago.com/2231-302/102-000



Item no.231-302/037-000
1-conductor female plug; Locking lever; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; 2,50 mm²; orange

www.wago.com/231-302/037-000

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**Item no.232-302/026-000**

1-conductor female plug; angled; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; 2,50 mm²; orange

www.wago.com/232-302/026-000
**Item no.232-402/026-000**

1-conductor female plug; angled; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; 2,50 mm²; orange

www.wago.com/232-402/026-000
Compatible products**Marking accessories****Item no.: 210-833**

Marking strips; on reel; 6 mm wide; plain; Self-adhesive; white

www.wago.com/210-833
**Item no.: 210-834**

Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

www.wago.com/210-834
Coding**Item no.: 231-129**

Coding key; snap-on type; light gray

www.wago.com/231-129
**Item no.: 231-500**

Spacer; for formation of groups; light gray

www.wago.com/231-500
Downloads**Documentation****Additional Information**

Technical explanations

2019 Apr 3

pdf
2.0 MB

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CAD/CAE-Data**CAD data**

2D/3D Models 231-332/001-000

URL

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CAE data

EPLAN Data Portal 231-332/001-000

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ZUKEN Portal 231-332/001-000

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PCB Design

Symbol and Footprint 231-332/001-000

URL

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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

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 231-332/001-000

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THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5.08 mm; 2-pole; orange

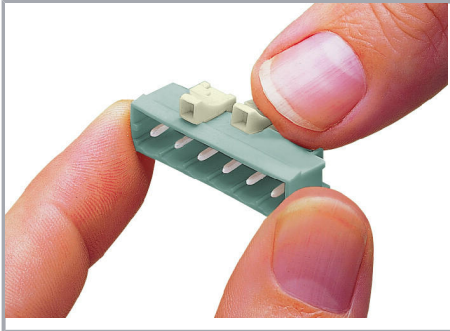
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Installation Notes

Coding



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

Product family

<i>MCS</i> MIDI Classic

[Show all products from the family](#)

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