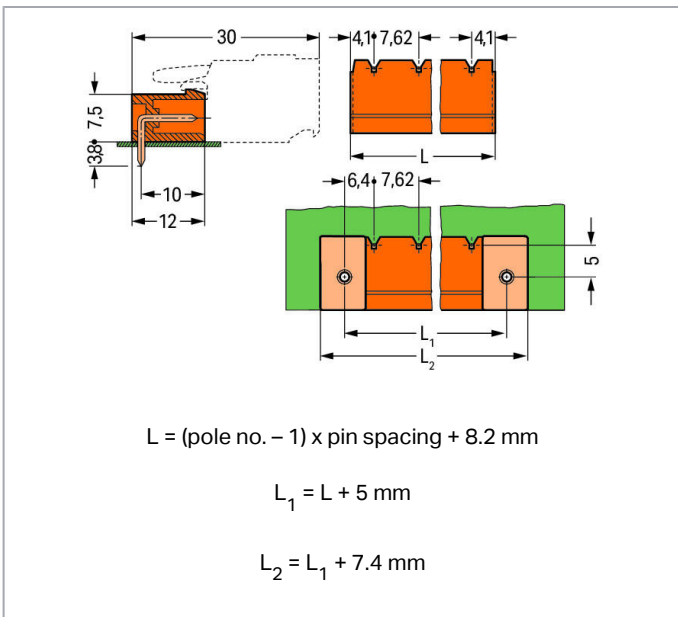
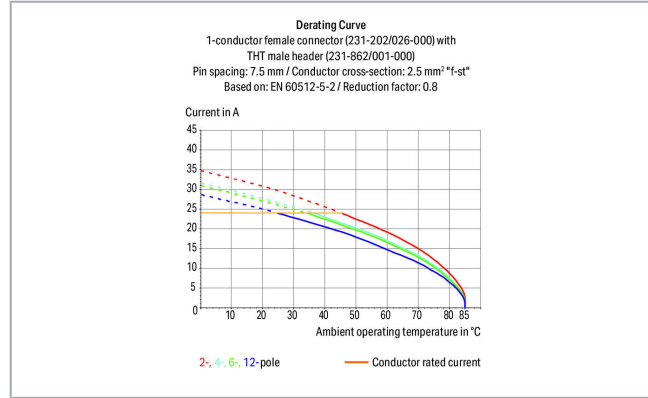
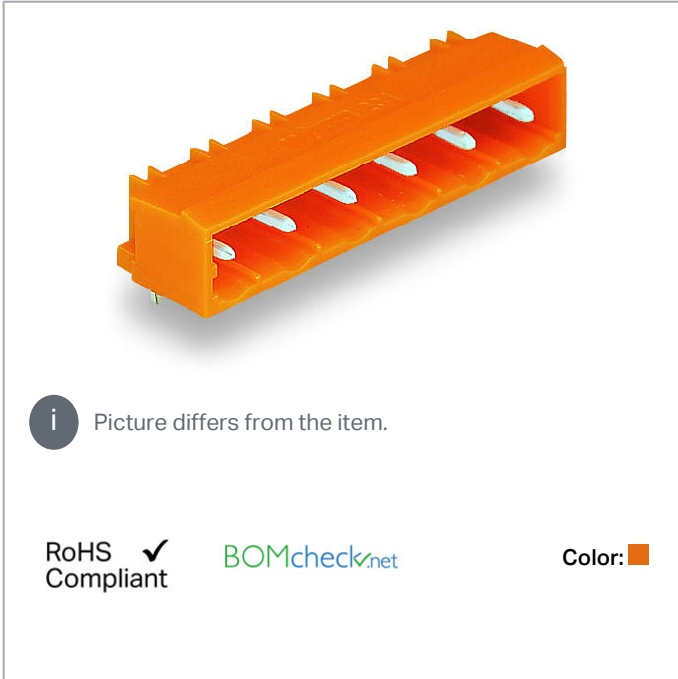


Data sheet | Item number: 231-933/001-000

THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 7.62 mm; 3-pole; orange



www.wago.com/231-933/001-000



Item description

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

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



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

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**

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	500 V
Rated surge voltage (III/3)	6 kV
Rated voltage (III/2)	630 V
Rated surge voltage (III/2)	6 kV
Nominal voltage (II/2)	1000 V
Rated surge voltage (II/2)	6 kV
Rated current	12 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

Ratings per UL

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

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

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



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

Connection data

Pole No.	3
Total number of potentials	3
Number of connection types	1
Number of levels	1

Physical data

Pin spacing	7.62 mm / 0.3 inch
Width	23.44 mm / 0.923 inch
Height	12.2 mm / 0.48 inch
Height from the surface	8.4 mm / 0.331 inch
Depth	12 mm / 0.472 inch
Solder pin length	3.8 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	0°

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

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

Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0.026 MJ
Weight	1.3 g

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	4044918868419
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



Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19- HG1869876- PDA
	BV Bureau Veritas S.A.	IEC 60998	11915/DO BV

UL-Approvals

Certificate

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

Logo	Approval	Additional Approval Text	name
	UR Underwriters Laboratories Inc.	UL 1059	E45172
	UR Underwriters Laboratories Inc.	UL 1977	20130906- E45171

Counterpart

	Item no.231-703/026-000 1-conductor female plug; 2.5 mm ² ; Pin spacing 7.62 mm; 3-pole; 2,50 mm ² ; orange	www.wago.com/231-703/026-000
	Item no.231-2703/026-000 2-conductor female connector; with integrated end plate; 2.5 mm ² ; Pin spacing 7.62 mm; 3-pole; 2,50 mm ² ; orange	www.wago.com/231-2703/026-000
	Item no.231-2703/037-000 2-conductor female connector; Locking lever; 2.5 mm ² ; Pin spacing 7.62 mm; 3-pole; 2,50 mm ² ; orange	www.wago.com/231-2703/037-000
	Item no.2231-703/026-000 1-conductor female plug; push-button; 2.5 mm ² ; Pin spacing 7.62 mm; 3-pole; 2,50 mm ² ; orange	www.wago.com/2231-703/026-000
	Item no.2231-703/037-000 1-conductor female plug; push-button; Locking lever; 2.5 mm ² ; Pin spacing 7.62 mm; 3-pole; 2,50 mm ² ; orange	www.wago.com/2231-703/037-000
	Item no.2231-703/026-000/133-000 1-conductor female plug; push-button; Strain relief plate; 2.5 mm ² ; Pin spacing 7.62 mm; 3-pole; 2,50 mm ² ; orange	www.wago.com/2231-703/026-000/133-000
	Item no.2231-703/031-000 1-conductor female plug; push-button; clamping collar; 2.5 mm ² ; Pin spacing 7.62 mm; 3-pole; 2,50 mm ² ; orange	www.wago.com/2231-703/031-000
	Item no.231-703/031-000 1-conductor female plug; clamping collar; 2.5 mm ² ; Pin spacing 7.62 mm; 3-pole; 2,50 mm ² ; orange	www.wago.com/231-703/031-000
	Item no.732-123/026-000 1-conductor female plug; angled; 2.5 mm ² ; Pin spacing 7.62 mm; 3-pole; 2,50 mm ² ; orange	www.wago.com/732-123/026-000
	Item no.231-703/037-000 1-conductor female plug; Locking lever; 2.5 mm ² ; Pin spacing 7.62 mm; 3-pole; 2,50 mm ² ; orange	www.wago.com/231-703/037-000



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

Compatible products

Coding

	Item no.: 231-130 Coding key; snap-on type; light gray	www.wago.com/231-130
	Item no.: 231-500 Spacer; for formation of groups; light gray	www.wago.com/231-500

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

Downloads

Documentation

Additional Information

Technical explanations	3. 4. 2019	pdf 2.0 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 231-933/001-000	URL	Download
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CAE data

EPLAN Data Portal 231-933/001-000	URL	Download
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ZUKEN Portal 231-933/001-000	URL	Download
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EPLAN Data Portal 231-933/001-000	URL	Download
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PCB Design

Symbol and Footprint 231-933/001-000	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:

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



- 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 231-933/001-000	URL	Download
THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 7.62 mm; 3-pole; orange		

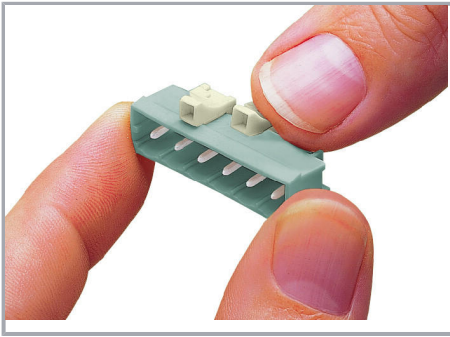
Installation Notes

Coding

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

Product family

MCS MIDI Classic

[Show all products from the family](#)

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