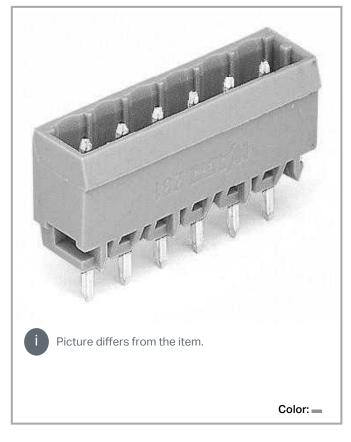
Male header; 2-pole; THT; 1.2 x 1.2 mm solder pin; straight; pin spacing 5

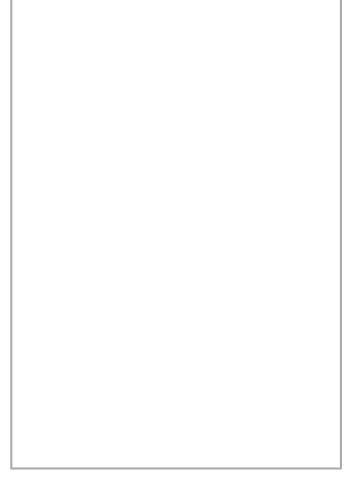
er pin; straight; pin spacing 5

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mm; gray







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

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Dimensions in mm		
L = (pole no. – 1) x pin spacing + 8.2 mm		

- Horizontal or vertical PCB mounting via straight or angled solder pins
- 1.2 x 1.2 mm solder pins allow nominal current up to 16 A, enhancing stability of shorter headers
- With coding fingers

Data **Notes**

Safety information 1

The MCS - MULTI CONNECTION SYSTEM includes connectors

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	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.
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

IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	250 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	16 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

UL Approvals

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

Ratings per UL

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

CSA Approvals

Approvals per	CSA
Rated voltage CSA (Use Group B)	300 V

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

Connection data

Total number of potentials	2
Number of connection types	1
Number of levels	1

Connection 1

Number of poles	2	
-----------------	---	--

Physical data

Pin spacing	5 mm / 0.197 inch
Width	13.2 mm / 0.52 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	1.2 x 1.2 mm
Drilled hole diameter with tolerance	1.7 ^(+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°
Locking of plug-in connection	Without

PCB contact

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

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Material data

Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0.016 MJ
Weight	0.9 g

Environmental requirements

Limit temperature range	-60 +100 °C	
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Commercial data

Product Group	3 (Multi Conn. System)
PU (SPU)	200 Stück
Packaging type	box
Country of origin	DE
GTIN	4044918928328
Customs tariff number	8536694040

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-39756
SP	CSA DEKRA Certification B.V.	C22.2	LR 18677- 25

Ship Approvals

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

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PDA

Bureau '

BV IEC 60998 11915/D0 Bureau Veritas S.A. BV

DNV GL - TAE000016Z
Det Norske Veritas, Germanischer Lloyd

UL-Approvals

Logo Approval Additional Approval Text Certificate name

UL UL 1059 E45172
Underwriters Laboratories Inc.

W.

UR UL 1977 E45171 Underwriters Laboratories Inc.

Counterpart



Item no.231-102/026-000

Female plug; 2-pole; 12 AWG max; pin spacing 5 mm; 1 conductor per pole; gray

www.wago.com/231-102/026-000

Optional accessories

Coding

Intermediate plate



Item no.: 231-500

Spacer; for formation of groups; light gray

www.wago.com/231-500

Coding



Item no.: 231-129

Coding key; snap-on type; light gray

www.wago.com/231-129

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URL

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Downloads Documentation

Additional	Information

Technical explanations 2019 Apr 3 pdf Download 2.0 MB

CAD files

CAD data

2D/3D Models 231-162/001-000	URL	Download
CAE data		
EPLAN Data Portal 231-162/001-000	URL	Download
ZUKEN Portal 231-162/001-000	URL	Download
EPLAN Data Portal 231-162/001-000	URL	Download

PCB Design

Symbol and Footprint 231-162/001-000

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

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- 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

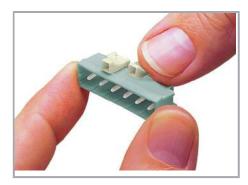
Environmental Product Compliance 231-162/001-000

THT male header; 1.2 x 1.2 mm solder pin; straight; Pin spacing 5 mm; 2-pole; gray

URL

Download

Installation Notes



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

Product family

MCS MIDI Classic
Show all products from the family

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