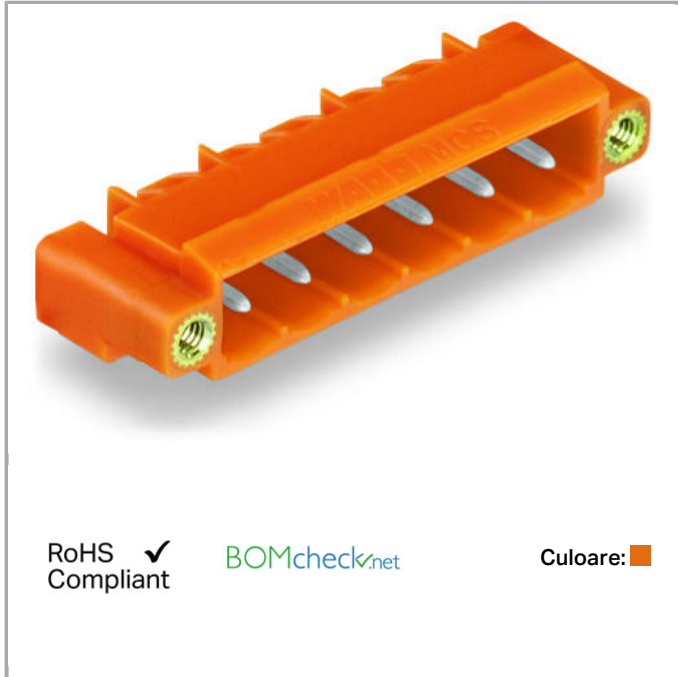


## Fișă tehnică | Număr articol: 231-545/108-000

THT male header; 1.0 x 1.0 mm solder pin; angled; Threaded flange; Pin spacing 5.08 mm; 15-pole; orange

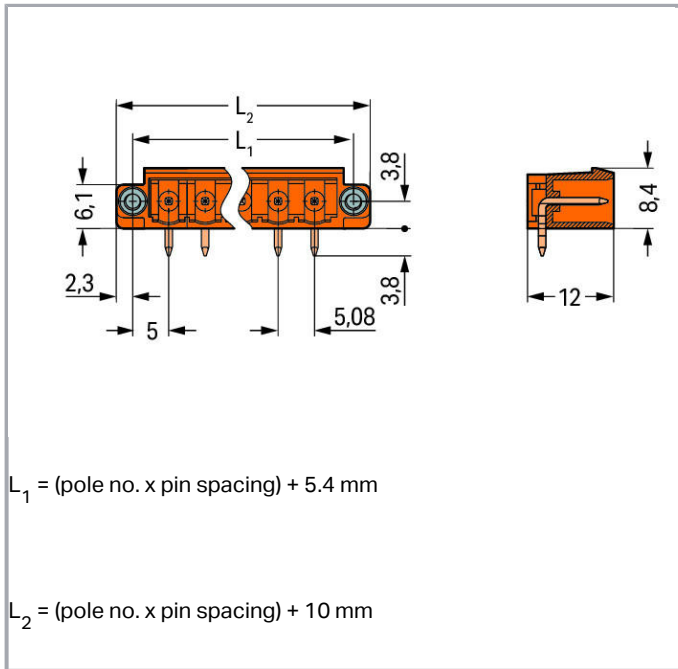
[www.wago.com/231-545/108-000](http://www.wago.com/231-545/108-000)



Supus modificărilor.

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building 1, 2nd floor | 077190 Voluntari, Ilfov  
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## Descriere articol

- 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 *MULTI CONNECTION SYSTEM (MCS)* is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall 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.

## Date

### 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

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

**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
Approvals per	UL 1059

**Approvals per UL 1977**

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

**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

**Connection data**

Pole No.	15
Total number of potentials	15
Number of connection types	1
Number of levels	1

**Geometrical Data**

Pin spacing	5.08 mm / 0.2 inch
Width	86.2 mm / 3.394 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 <sup>(+0.1)</sup> mm

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## Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCBs
Mismating protection	No
Mating direction to the PCB	0°
Locking of plug-in connection	Threaded flange

## 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 66 (PA 66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact plating	tin-plated
Fire load	0,1 MJ
Weight	5,6 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	4050821868903
Customs tariff number	85366990990

## Aprobări / certificate



### Country specific Approvals

Nume



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Emblemă	Aprobare	Text de aprobare suplimentar	certificat
	CSA DEKRA Certification B.V.	C22.2	1466354
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	2190761.01



## UL-Approvals

Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	UL UL International Germany GmbH	UL 1977	E45171
	UR Underwriters Laboratories Inc.	UL 1059	E45172

## Counterpart

	Nr. articol 231-315/107-000 1-conductor female plug; Screw flange; 2.5 mm <sup>2</sup> ; Pin spacing 5.08 mm; 15-pole; 2,50 mm <sup>2</sup> ; orange	<a href="http://www.wago.com/231-315/107-000">www.wago.com/231-315/107-000</a>
	Nr. articol 231-2315/107-000 2-conductor female connector; Screw flange; 2.5 mm <sup>2</sup> ; Pin spacing 5.08 mm; 15-pole; 2,50 mm <sup>2</sup> ; orange	<a href="http://www.wago.com/231-2315/107-000">www.wago.com/231-2315/107-000</a>
	Nr. articol 2231-315/107-000 1-conductor female plug; push-button; Screw flange; 2.5 mm <sup>2</sup> ; Pin spacing 5.08 mm; 15-pole; 2,50 mm <sup>2</sup> ; orange	<a href="http://www.wago.com/2231-315/107-000">www.wago.com/2231-315/107-000</a>

## Produse compatibile



Coding		
	Nr. articol: 231-129 Coding key; snap-on type; light gray	<a href="http://www.wago.com/231-129">www.wago.com/231-129</a>
	Nr. articol: 231-500 Spacer; for formation of groups; light gray	<a href="http://www.wago.com/231-500">www.wago.com/231-500</a>

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### Marking accessories

	<b>Nr. articol: 210-833</b> Marking strips; on reel; 6 mm wide; plain; Self-adhesive; white	<a href="http://www.wago.com/210-833">www.wago.com/210-833</a>
	<b>Nr. articol: 210-834</b> Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white	<a href="http://www.wago.com/210-834">www.wago.com/210-834</a>

### Descărcări

#### Documentation

##### Additional Information

Technical explanations	Apr 3, 2019	pdf 3,6 MB	Descărcare
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### CAD/CAE-Data

#### CAD data

2D/3D Models 231-545/108-000	URL	Descărcare
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#### CAE data

EPLAN Data Portal 231-545/108-000	URL	Descărcare
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#### PCB Design

Symbol and Footprint 231-545/108-000	URL	Descărcare
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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

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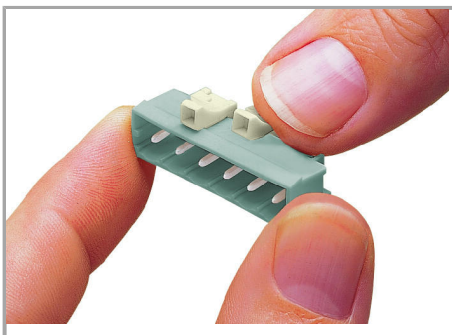
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

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

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## Installation Notes

### Coding



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

## Familie de produse

<i>MCS</i> MIDI Classic

Afișare globală produse din familie.

Supus modificărilor.

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