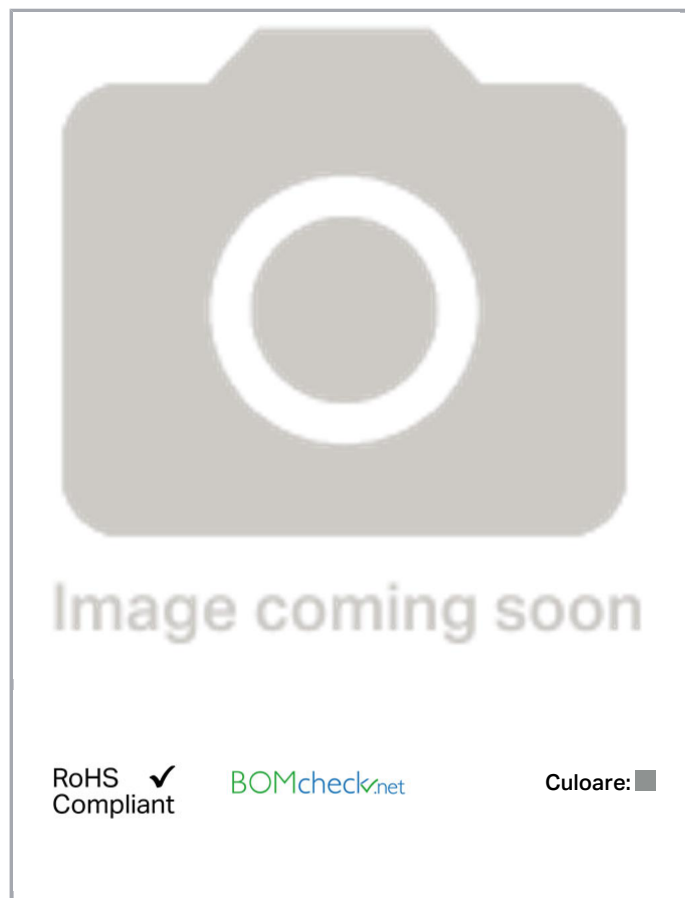


Fișă tehnică | Număr articol: 231-444/001-000

THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 14-pole; gray

[www.wago.com/231-444/001-000](http://www.wago.com/231-444/001-000)



## 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 *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.

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Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

**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
Rated surge 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)	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.	14
Total number of potentials	14
Number of connection types	1
Number of levels	1

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## Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	73,2 mm / 2.882 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

## Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCB
Mismatching 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	gray
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	0,081 MJ
Weight	4,5 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	4044918866439
Customs tariff number	85366990990

## Aprobări / certificate



### Country specific Approvals

Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	CSA DEKRA Certification B.V.	C22.2	1466354

### Ship Approvals

Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	ABS American Bureau of Shipping	-	19- HG1869876- PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z

### UL-Approvals

Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	UL Underwriters Laboratories Inc.	UL 1059	20190731- E45172
	UR UL International Germany GmbH	UL 1977	E45171

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Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

## Counterpart

	<b>Nr. articol</b> 231-114/026-000 1-conductor female plug; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/231-114/026-000">www.wago.com/231-114/026-000</a>
	<b>Nr. articol</b> 231-2114/026-000 2-conductor female connector; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/231-2114/026-000">www.wago.com/231-2114/026-000</a>
	<b>Nr. articol</b> 231-2114/037-000 2-conductor female connector; Locking lever; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/231-2114/037-000">www.wago.com/231-2114/037-000</a>
	<b>Nr. articol</b> 2231-114/026-000 1-conductor female plug; push-button; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/2231-114/026-000">www.wago.com/2231-114/026-000</a>
	<b>Nr. articol</b> 2231-114/031-000 1-conductor female plug; push-button; clamping collar; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/2231-114/031-000">www.wago.com/2231-114/031-000</a>
	<b>Nr. articol</b> 2231-114/037-000 1-conductor female plug; push-button; Locking lever; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/2231-114/037-000">www.wago.com/2231-114/037-000</a>
	<b>Nr. articol</b> 2231-114/102-000 1-conductor female plug; push-button; with integrated end plate; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/2231-114/102-000">www.wago.com/2231-114/102-000</a>
	<b>Nr. articol</b> 231-114/027-000 1-conductor female plug; clamping collar; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/231-114/027-000">www.wago.com/231-114/027-000</a>
	<b>Nr. articol</b> 231-114/031-000 1-conductor female plug; clamping collar; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/231-114/031-000">www.wago.com/231-114/031-000</a>
	<b>Nr. articol</b> 231-114/037-000 1-conductor female plug; Locking lever; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/231-114/037-000">www.wago.com/231-114/037-000</a>
	<b>Nr. articol</b> 231-114/102-000 1-conductor female plug; with integrated end plate; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/231-114/102-000">www.wago.com/231-114/102-000</a>
	<b>Nr. articol</b> 232-114/026-000 1-conductor female plug; angled; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/232-114/026-000">www.wago.com/232-114/026-000</a>
	<b>Nr. articol</b> 232-214/026-000 1-conductor female plug; angled; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 14-pole; 2,50 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/232-214/026-000">www.wago.com/232-214/026-000</a>



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## Produce compatibile

### 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>

### Coding

	<b>Nr. articol: 231-129</b> Coding key; snap-on type; light gray	<a href="http://www.wago.com/231-129">www.wago.com/231-129</a>
	<b>Nr. articol: 231-500</b> Spacer; for formation of groups; light gray	<a href="http://www.wago.com/231-500">www.wago.com/231-500</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 231-444/001-000	URL	Descărcare
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### CAE data

EPLAN Data Portal 231-444/001-000	URL	Descărcare
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### PCB Design

Symbol and Footprint 231-444/001-000	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

Supus modificărilor.



- 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

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## Installation Notes

## Familie de produse

<i>MCS</i> MIDI Classic

Afișare globală produse din familie.

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