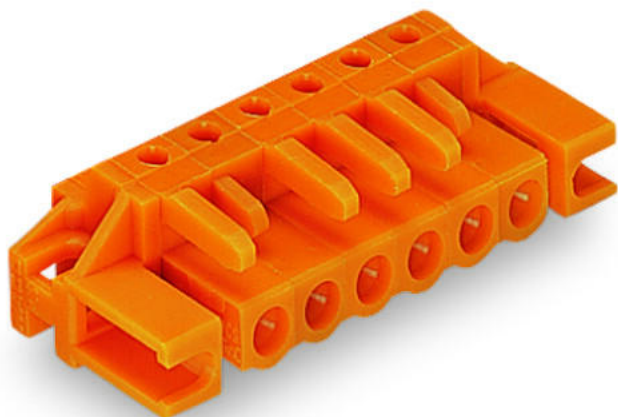


Fișă tehnică | Număr articol: 232-281/047-000

THT female header; 0.6 x 1.0 mm solder pin; angled; Spacer flange; Pin spacing 5.08 mm; 21-pole; orange

www.wago.com/232-281/047-000



RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

Culoare:

Derating Curve

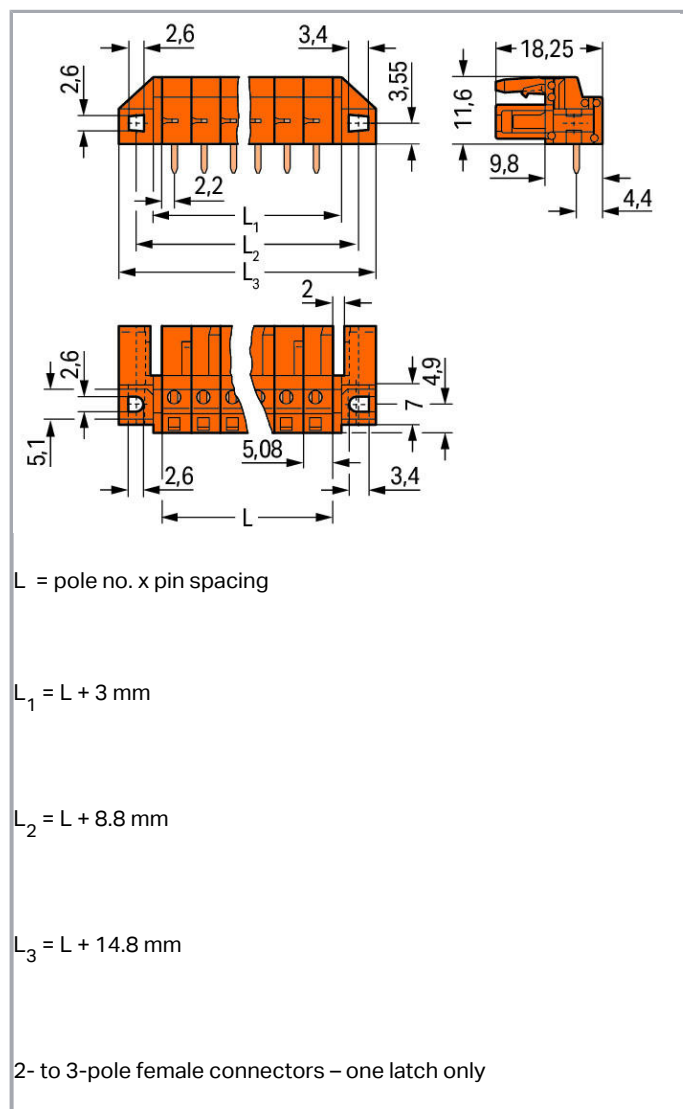
THT female header (232-232) with
1-conductor male connector (231-602)
Pin spacing: 5 mm / Conductor cross-section: 2.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 0.8



Supus modificărilor.

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/Representative Office Romania
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building 1, 2nd floor | 077190 Voluntari, Ilfov
Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

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



Descriere articol

- Horizontal or vertical PCB mounting via straight or angled solder pins
- For board-to-board and board-to-wire connections
- Touch-proof PCB outputs
- Easy-to-identify PCB inputs and outputs
- With coding fingers

Safety information 1:

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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
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)	15 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	15 A

Approvals per CSA

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

Supus modificărilor.

Connection data

Pole No.	21
Total number of potentials	21
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	5.08 mm / 0.2 inch
Width	121.48 mm / 4.783 inch
Height	16.6 mm / 0.654 inch
Height from the surface	11.6 mm / 0.457 inch
Depth	18.25 mm / 0.719 inch
Solder pin length	5 mm
Solder pin dimensions	0.6 x 1 mm
Drilled hole diameter with tolerance	1.3 ^(+0.1) mm

Mechanical data

Mounting type	Mounting flange
Mounting type	Flush mounting Panel mounting

Plug connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for PCBs
Mismating protection	No
Mating direction to the PCB	0°

PCB contact

PCB contact	THT
Solder pin arrangement	over the entire female connector, in line
Number of solder pins per potential	1

Material Data

Color	orange
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Supus modificărilor.



Material group	I
Insulation material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper alloy
Contact plating	tin-plated
Fire load	0,325 MJ
Weight	19,1 g

Environmental Requirements

Limit temperature range	-60 ... +85 °C
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Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4050821627944
Customs tariff number	85366990990

Aprobări / certificate

Ship Approvals

Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	ABS American Bureau of Shipping	-	19- HG15869876- PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE 000016Z

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 sec. 18

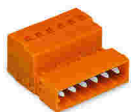
Supus modificărilor.

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Counterpart



Nr. articol 231-651
1-conductor male connector; 2.5 mm²; Pin spacing 5.08 mm; 21-pole; 2,50 mm²; orange

www.wago.com/231-651

Produse compatibile

check



Nr. articol: 231-661
Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing; 2,50 mm²; light gray

www.wago.com/231-661

Descărcări Documentation

Additional Information

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

PCB Design

Symbol and Footprint 232-281/047-000	URL	Descărcare
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

Supus modificărilor.

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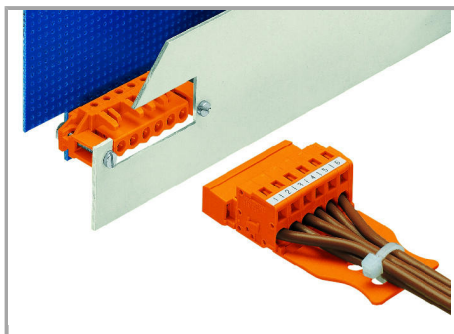
Aveți întrebări despre produsele noastre?
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

- 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

Installation Notes

Application



The innovative flange design provides standard panel mounting options or various through-panel mounting configurations. Depending on the type of application and flange, female headers can be used either for through-panel or flush mount applications.

Familie de produse

<i>MCS</i> MIDI Classic

Afișare globală produse din familie.

Supus modificărilor.

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