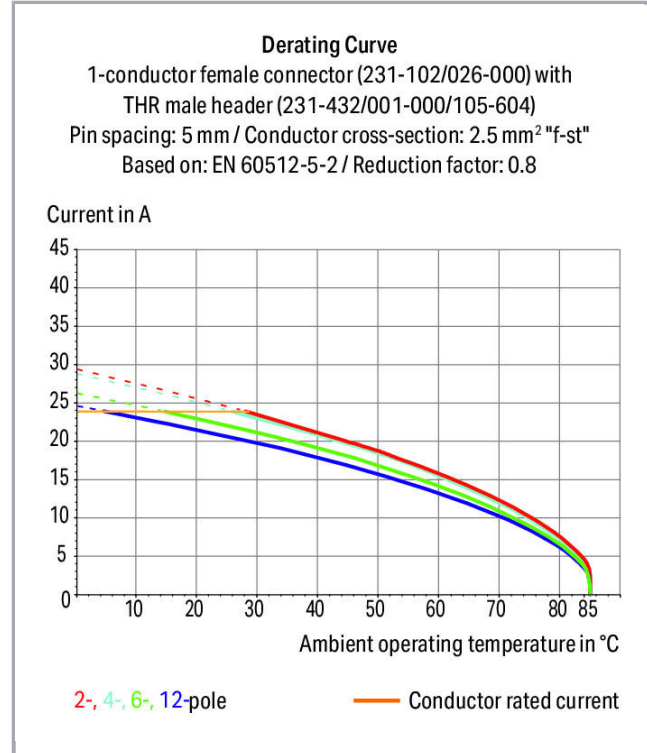


Fișă tehnică | Număr articol: 231-440/001-000/105-604

THR male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 10-pole; black



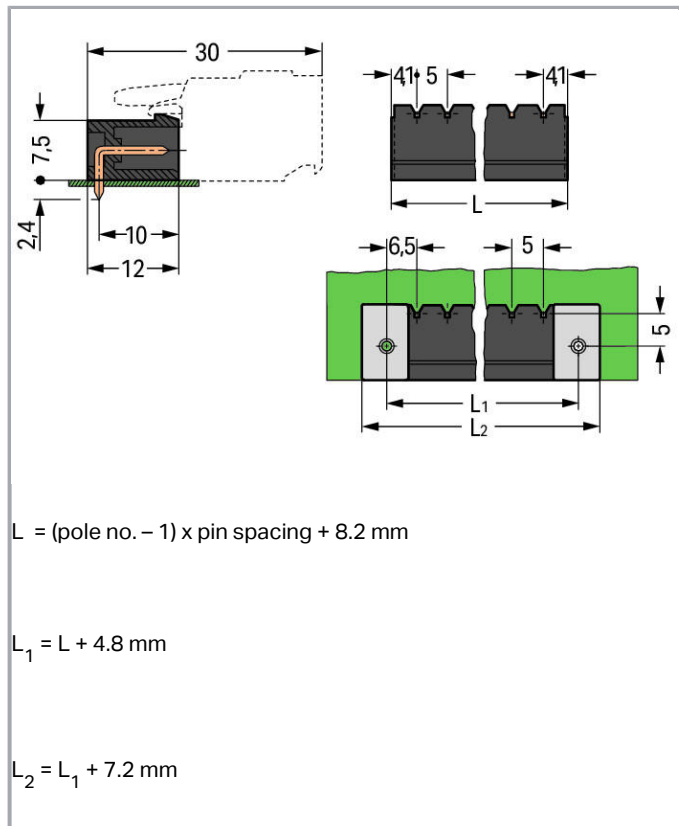
www.wago.com/231-440/001-000/105-604



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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

- THR male headers for reflow soldering in SMT applications
- Available in tape-and-reel packaging for automated pick-and-place PCB assembly
- Also available in bulk packaging for manual placement
- Male headers may be mounted horizontally or vertically
- 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

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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)	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.	10
Total number of potentials	10
Number of connection types	1
Number of levels	1

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Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	53.2 mm / 2.094 inch
Height	10.8 mm / 0.425 inch
Height from the surface	8.4 mm / 0.331 inch
Depth	12 mm / 0.472 inch
Solder pin length	2,4 mm
Solder pin dimensions	1 x 1 mm
Plated through-hole diameter (THR)	1.4 ^(+0.1) mm

Plug connection

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

PCB contact

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

Material Data

Color	black
Material group	I
Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0,071 MJ
Weight	3,7 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	4017332745970
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

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

Counterpart



Nr. articol 231-110/026-000

1-conductor female plug; 2.5 mm²; Pin spacing 5 mm; 10-pole; 2,50 mm²; gray

www.wago.com/231-110/026-000

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Produse compatibile

Coding



Nr. articol: 231-129

Coding key; snap-on type; light gray

www.wago.com/231-129



Nr. articol: 231-500

Spacer; for formation of groups; light gray

www.wago.com/231-500

Marking accessories



Nr. articol: 210-833

Marking strips; on reel; 6 mm wide; plain; Self-adhesive; white

www.wago.com/210-833



Nr. articol: 210-834

Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

www.wago.com/210-834

Descărcări

Documentation

Additional Information

Technical explanations

Apr 3, 2019

pdf
3,6 MB

Descărcare

CAD/CAE-Data

CAD data

2D/3D Models 231-440/001-000/105-604

URL

Descărcare

CAE data

EPLAN Data Portal 231-440/001-000/105-604

URL

Descărcare

PCB Design

Symbol and Footprint 231-440/001-000/105-604

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

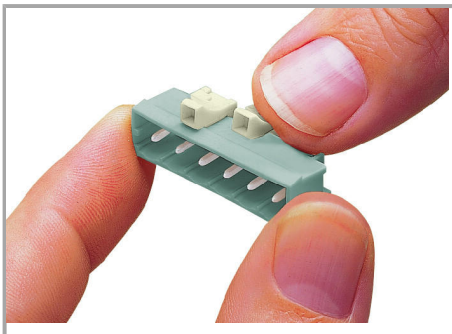
Supus modificărilor.

- 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

Installation Notes

Coding



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

Familie de produse

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MCS MIDI Classic

Afișare globală produse din familie.

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