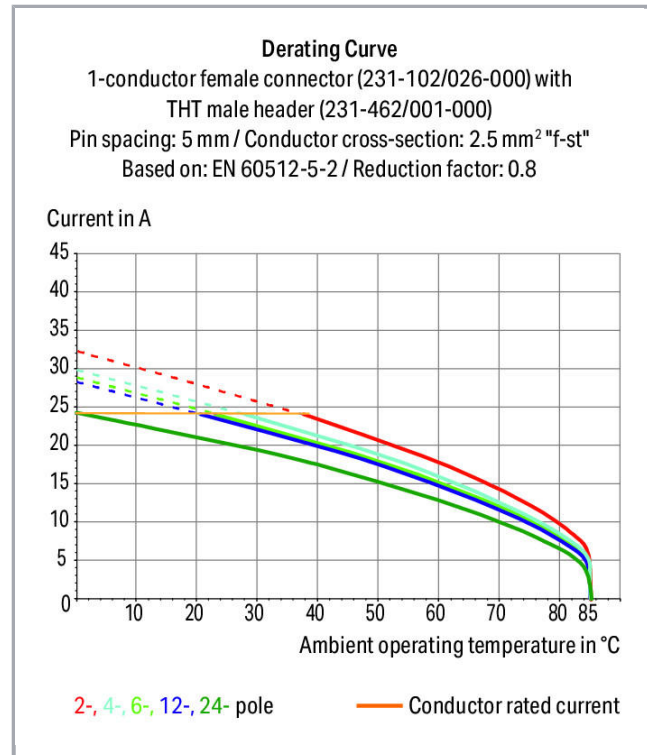


Fișă tehnică | Număr articol: 231-463/001-000/105-604

THR male header; 1.2 x 1.2 mm solder pin; angled; Pin spacing 5 mm; 3-pole;  
black



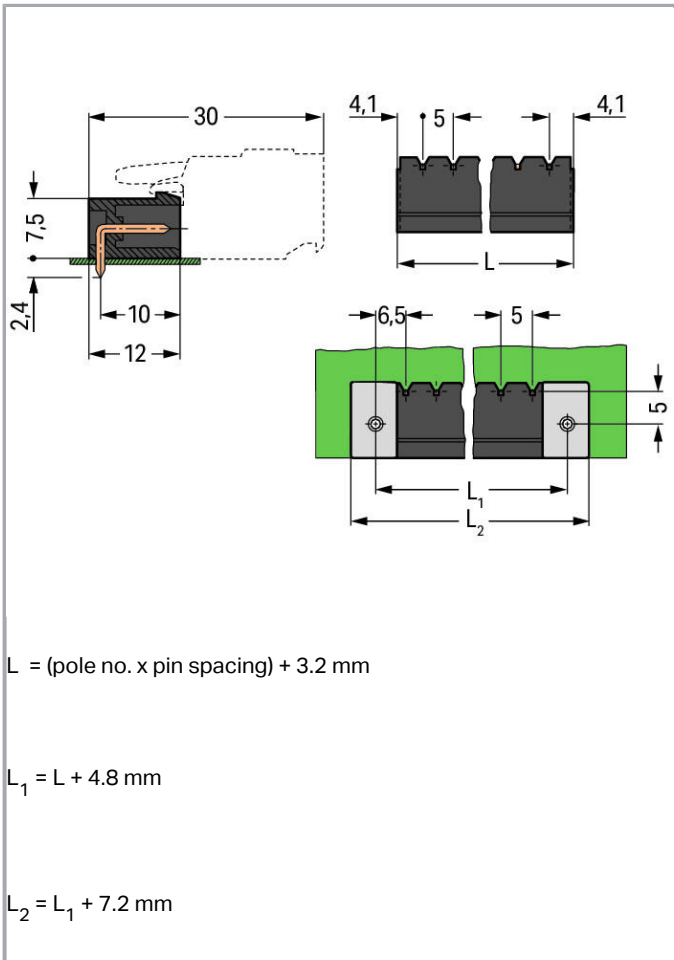
[www.wago.com/231-463/001-000/105-604](http://www.wago.com/231-463/001-000/105-604)



Supus modificărilor.

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Aveți întrebări despre produsele noastre?  
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## Descriere articol

- THR male headers for reflow soldering in SMT applications
- Available in tape-and-reel packaging for automated pick-and-place PCB assembly
- 1.2 x 1.2 mm solder pins allow nominal current up to 16 A, enhancing stability of shorter headers
- 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.

Supus modificărilor.



## Date

### Electrical data

#### Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Nominal 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

#### 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	15 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.	3
Total number of potentials	3
Number of connection types	1
Number of levels	1

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## Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	18.2 mm / 0.717 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	1.2 x 1.2 mm
Plated through-hole diameter (THR)	1.7 <sup>(+0.1)</sup> 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 <sub>Cu</sub> )
Contact plating	tin-plated
Weight	1,4 g

## Environmental Requirements

Limit temperature range	-60 ... +100 °C
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Supus modificărilor.

## Commercial data



Product Group	3 (Multi Conn. System)
Packaging type	BOX
Country of origin	PL
GTIN	4050821042761
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

### 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 231-103/026-000

1-conductor female plug; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 3-pole; 2,50 mm<sup>2</sup>; gray[www.wago.com/231-103/026-000](http://www.wago.com/231-103/026-000)

## Produse compatibile

### Marking accessories

Supus modificărilor.

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Aveți întrebări despre produsele noastre?  
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**Nr. articol: 210-833**  
Marking strips; on reel; 6 mm wide; plain; Self-adhesive; white

[www.wago.com/210-833](http://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](http://www.wago.com/210-834)

#### Coding



**Nr. articol: 231-129**  
Coding key; snap-on type; light gray

[www.wago.com/231-129](http://www.wago.com/231-129)



**Nr. articol: 231-500**  
Spacer; for formation of groups; light gray

[www.wago.com/231-500](http://www.wago.com/231-500)

## Descărcări Documentation

### Additional Information

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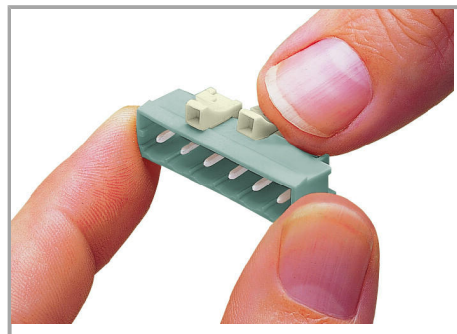
## CAD/CAE-Data

### CAD data

2D/3D Models 231-463/001-000/105-604	URL	Descărcare
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## 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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