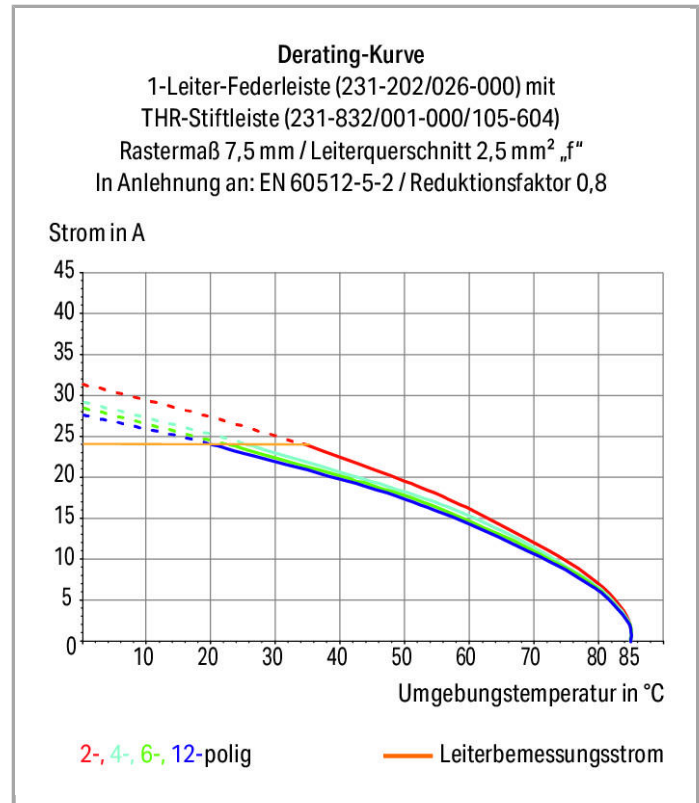
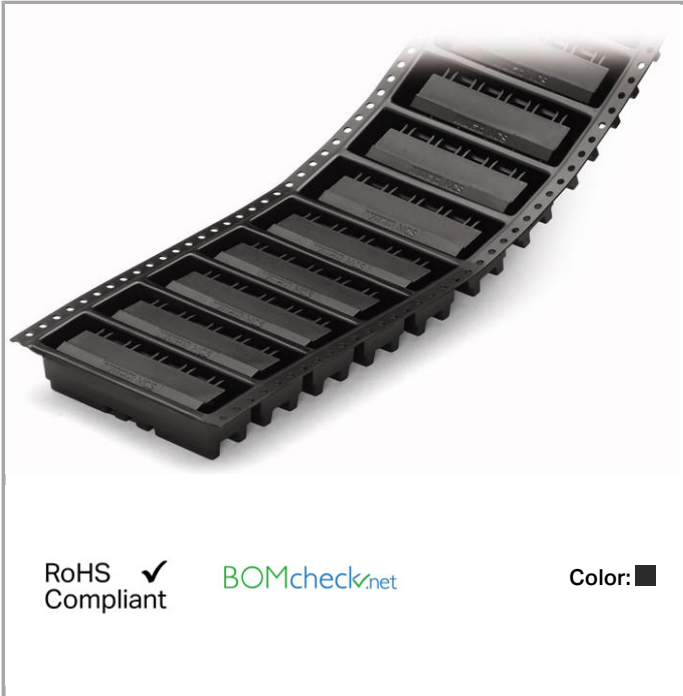
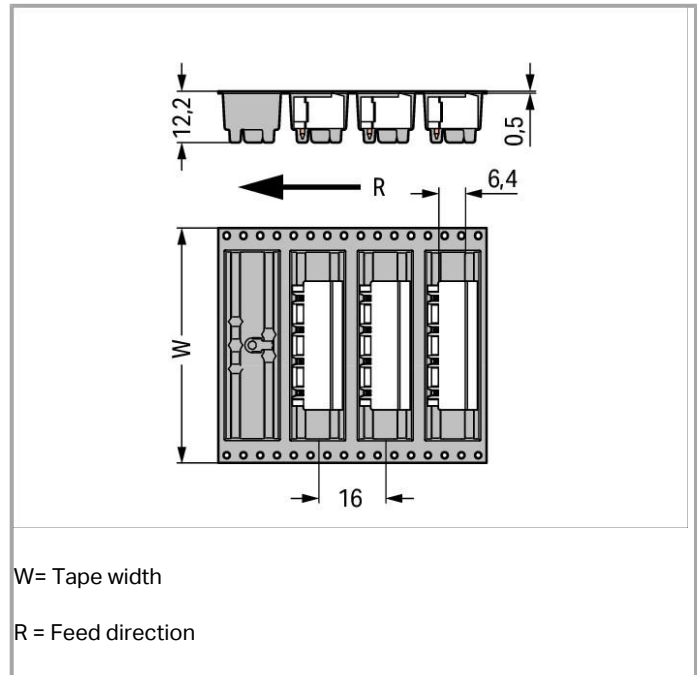
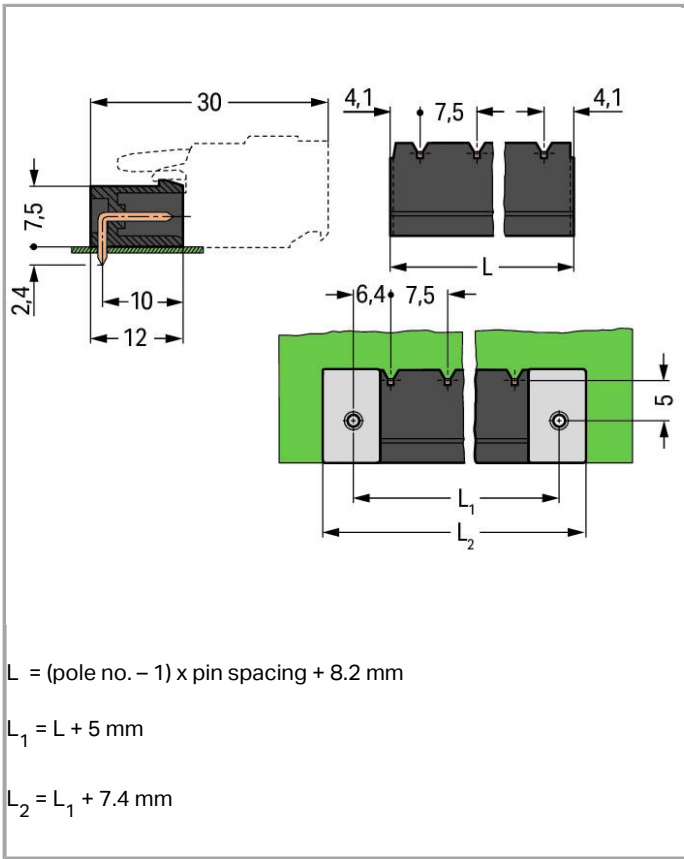


Data sheet | Item number: 231-868/001-000/105-604/997-409

THR male header; 1.2 x 1.2 mm solder pin; angled; in tape-and-reel packaging; Pin spacing 7.5 mm; 8-pole

[www.wago.com/231-868/001-000/105-604/997-409](http://www.wago.com/231-868/001-000/105-604/997-409)





### Item description

- 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

Other variants can be requested via the WAGO sales department or, if necessary, configured at <https://configurator.wago.com/>: Gold-plated or partially gold-plated contact surfaces, Other pole numbers

### Data

#### Electrical data

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

Rated voltage (III / 3)	500 V
Rated impulse voltage (III / 3)	6 kV
Rated voltage (III / 2)	630 V
Rated impulse voltage (III / 2)	6 kV



Rated voltage (II / 2)	1000 V
Rated impulse voltage (II / 2)	6 kV
Rated current	16 A
Legend (ratings)	(III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2

### Connection data

No. of poles	8
Total number of potentials	8
Number of levels	1

### Geometrical Data

Pin spacing	7.5 mm (0.295 inch)
Width	60.7 mm / 2.39 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
Reel diameter of tape-and-reel packaging	330 mm
Tape width	88 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
Insulating material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (Ecu)

Contact plating	tin-plated
Weight	4.064 g

### Environmental Requirements


Limit temperature range	-60 ... +100 °C
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### Commercial data

Packaging type	bag
Country of origin	DE
GTIN	4050821043287
Customs Tariff No.	85366990990

### Approvals / Certificates

#### UL-Approvals

Logo	Approval	Certificate name
	UR Underwriters Laboratories Inc.	E45172

### Compatible products

#### Coding

	Item no.: 231-130 Coding key; snap-on type	<a href="http://www.wago.com/231-130">www.wago.com/231-130</a>
	Item no.: 231-500 Spacer; for formation of groups	<a href="http://www.wago.com/231-500">www.wago.com/231-500</a>

#### Marking accessories

	Item no.: 210-833 Marking strips; on reel; 6 mm wide; plain; Self-adhesive	<a href="http://www.wago.com/210-833">www.wago.com/210-833</a>
	Item no.: 210-834 Marking strips; on reel; 5 mm wide; plain; Self-adhesive	<a href="http://www.wago.com/210-834">www.wago.com/210-834</a>

Subject to changes.