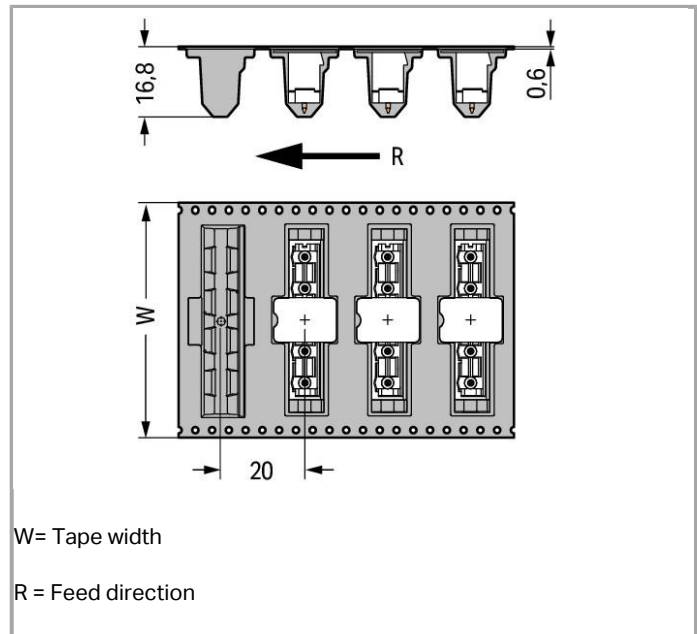
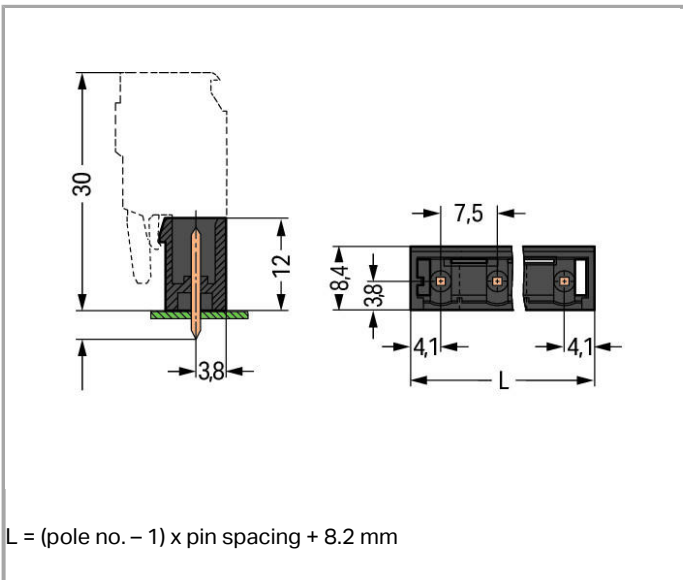
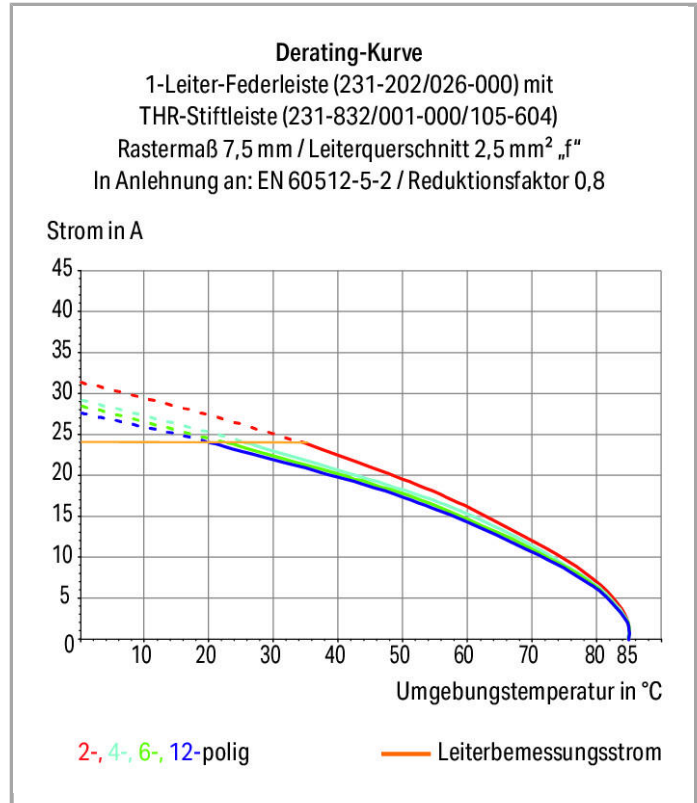
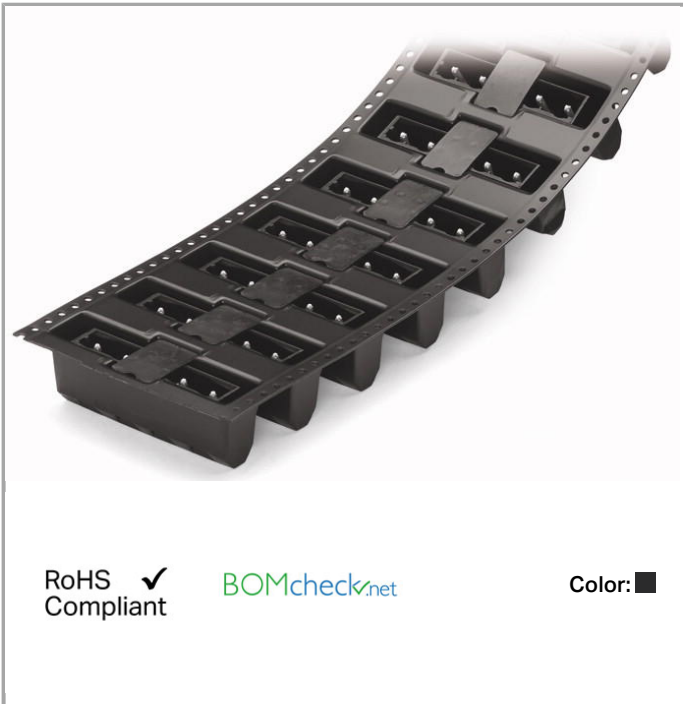


Data sheet | Item number: 231-269/001-000/105-604/997-409

THR male header; 1.2 x 1.2 mm solder pin; straight; in tape-and-reel packaging; Pin spacing 7.5 mm; 9-pole



www.wago.com/231-269/001-000/105-604/997-409



Item description

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- 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) $\hat{=}$ Overvoltage category III / Pollution degree 2

Connection data

No. of poles	9
Total number of potentials	9
Number of levels	1

Geometrical Data

Pin spacing	7.5 mm (0.295 inch)
Width	68.2 mm / 2.685 inch
Height	14.4 mm / 0.567 inch
Height from the surface	12 mm / 0.472 inch
Depth	8.4 mm / 0.331 inch
Solder pin length	2.4 mm
Solder pin dimensions	1.2 x 1.2 mm
Plated through-hole diameter (THR)	1.7 ^(+0.1) 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	90°

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
Fire load	0.092 MJ
Weight	3.711 g

Environmental Requirements

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

Packaging type	bag
Country of origin	DE
GTIN	4050821004219
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

www.wago.com/231-130



Item no.: 231-500
Spacer; for formation of groups

www.wago.com/231-500

Marking accessories



Item no.: 210-833
Marking strips; on reel; 6 mm wide; plain; Self-adhesive

www.wago.com/210-833



Item no.: 210-834
Marking strips; on reel; 5 mm wide; plain; Self-adhesive

www.wago.com/210-834

Subject to changes.