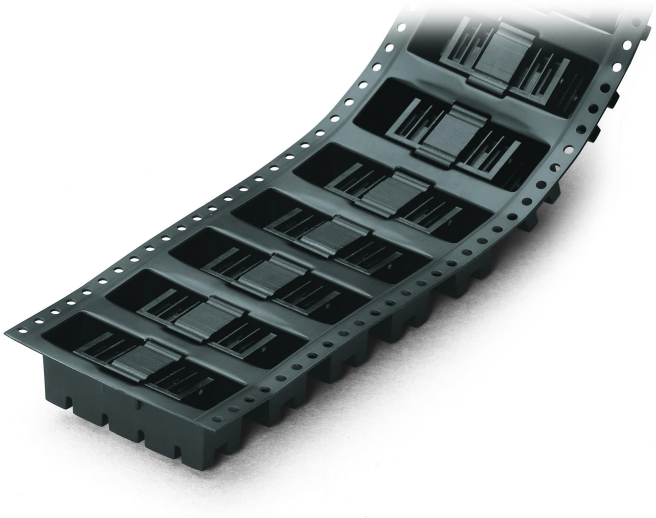
Data sheet | Item number: 733-362/105-604/997-406

THR male header; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismating; in tape-and-reel packaging; Pin spacing 2.5 mm; 2-pole; black

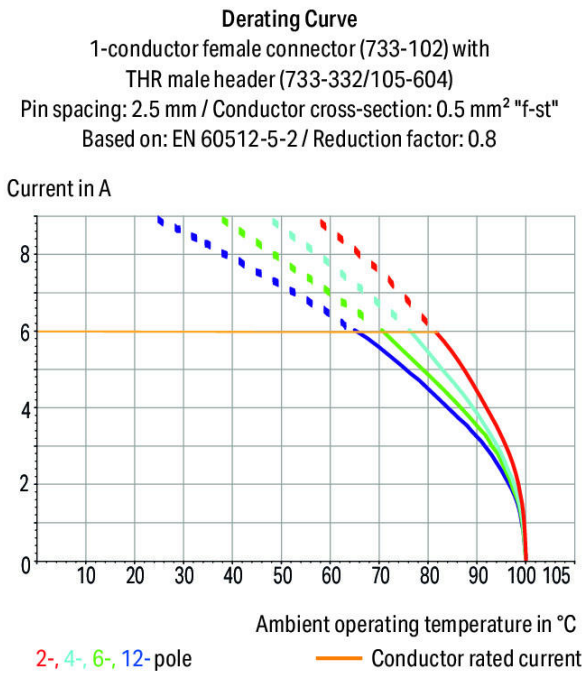
www.wago.com/733-362/105-604/997-406

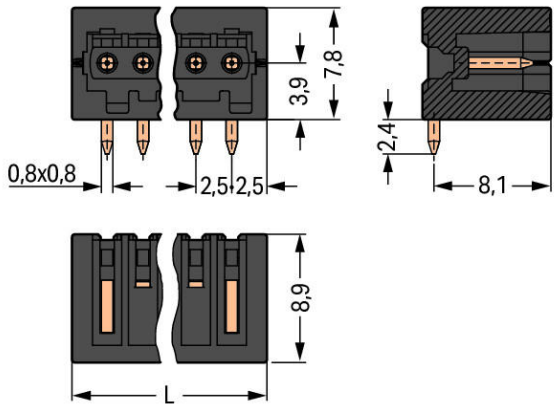


RoHS ✓ Compliant

BOMcheck.net

Color:





L = (pole no. + 1) x pin spacing

Subject to changes. Please also observe the further product documentation!

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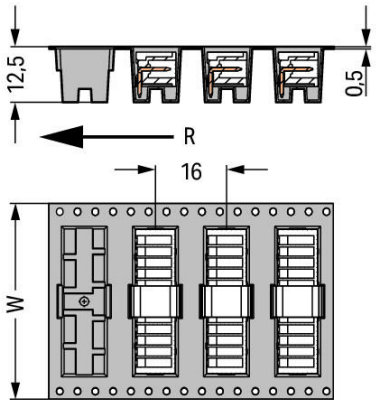
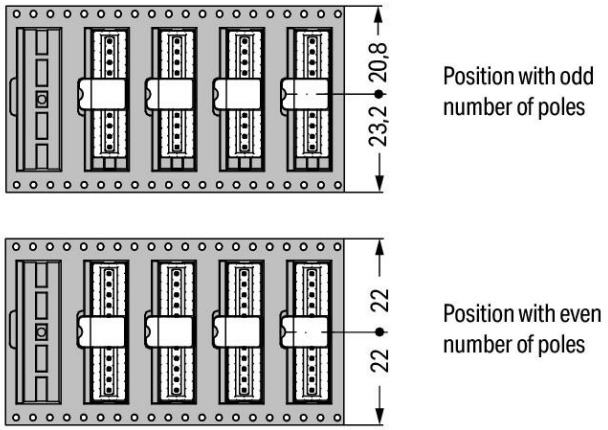


W= Tape width

R = Feed direction



Pin position in tape-and-reel packaging

Item description

- THR male headers for reflow soldering in SMT applications
- Available in tape-and-reel packaging for automated pick-and-place PCB assembly
- Optimal thermal penetration via pin enclosure design provides lower soldering temperatures
- 100% protected against mismating
- Coding via 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.

Data
Electrical data

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	80 V
Rated impulse voltage (III / 3)	2.5 kV
Rated voltage (III / 2)	160 V
Rated impulse voltage (III / 2)	2.5 kV

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Rated voltage (II / 2)	320 V
Rated impulse voltage (II / 2)	2.5 kV
Rated current	6 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

Approvals per UL 1059

Rated voltage UL (Use Group B)	150 V
Rated current UL (Use Group B)	4 A
Approvals per	UL 1059

Approvals per CSA

Rated voltage CSA (Use Group B)	150 V
Rated current CSA (Use Group B)	4 A

Connection data

No. of poles	2
Total number of potentials	2
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	2.5 mm / 0.098 inch
Width	7.5 mm / 0.295 inch
Height	10.2 mm / 0.402 inch
Height from the surface	7.8 mm / 0.307 inch
Depth	8.9 mm / 0.35 inch
Solder pin length	2.4 mm
Solder pin dimensions	0.8 x 0.8 mm
Plated through-hole diameter (THR)	$1.2^{(+0.1)}$ mm
Reel diameter of tape-and-reel packaging	330 mm
Tape width	44 mm

Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for PCBs
Mismating protection	Yes

Subject to changes. Please also observe the further product documentation!

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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 (E_{Cu})
Contact plating	tin-plated
Fire load	0.013 MJ
Weight	0.4 g

Environmental Requirements

Limit temperature range	-60 … +100 °C

Commercial data

Packaging type	bag
Country of origin	DE
GTIN	4045454815059
Customs Tariff No.	85366990990

Approvals / Certificates

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UR Underwriters Laboratories Inc.	UL 1059	20190122-E45172

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Counterpart

Item no.733-102
1-conductor female plug; 100% protected against mismating; 0.5 mm²; Pin spacing 2.5 mm; 2-pole; 0,50 mm²; light gray

www.wago.com/733-102

Compatible products

Coding

Item no.: 733-331
Coding key; snap-on type; black

www.wago.com/733-331

Downloads

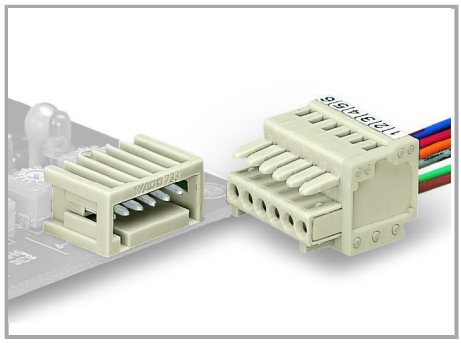
Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download

Installation Notes

Protected Against Mismating



Male headers and female connectors are 100 % protected against mismating.

Only mating halves with the same pole number can be connected.

Coding

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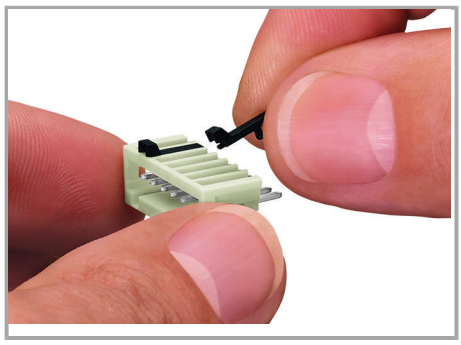

Coding a male header – fitting coding key(s).

Product family

MCS MICRO
Learn more about the product family.

Show all products from the family

Subject to changes. Please also observe the further product documentation!

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