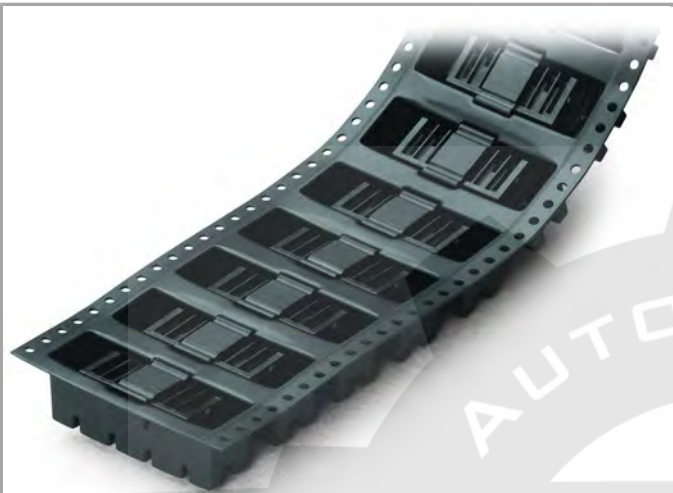


Data sheet | Item number: 733-365/105-604/997-406

THR male header; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; in tape-and-reel packaging; Pin spacing 2.5 mm; 5-pole



733-365_105-604_997-406



RoHS
Compliant

BOMcheck.net

Color: ■

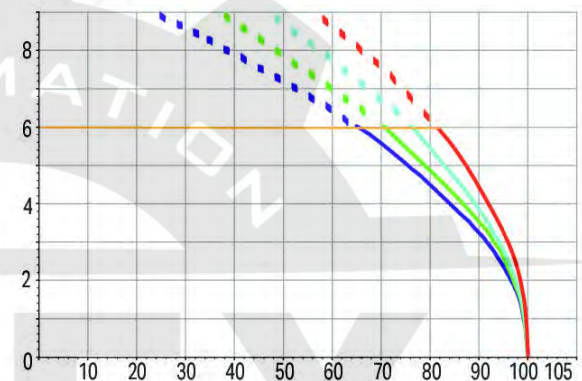
Derating Curve

1-conductor female connector (733-102) with
THR male header (733-332/105-604)

Pin spacing: 2.5 mm / Conductor cross-section: 0.5 mm² "f-st"

Based on: EN 60512-5-2 / Reduction factor: 0.8

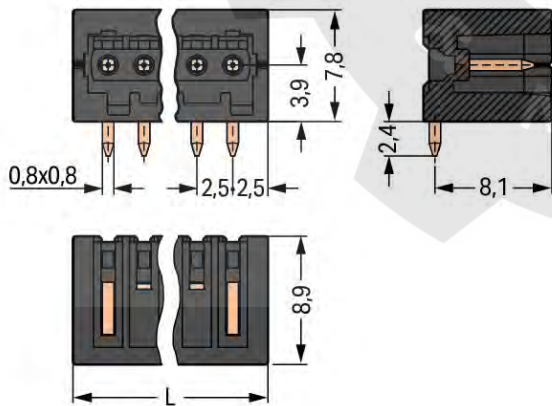
Current in A



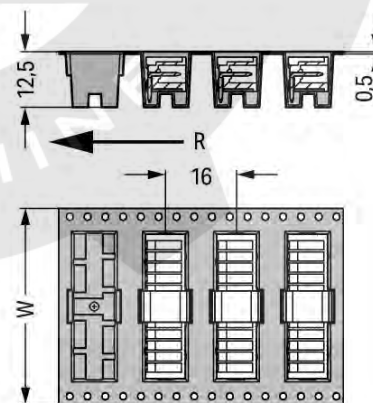
Ambient operating temperature in °C

2-, 4-, 6-, 12-pole

Conductor rated current

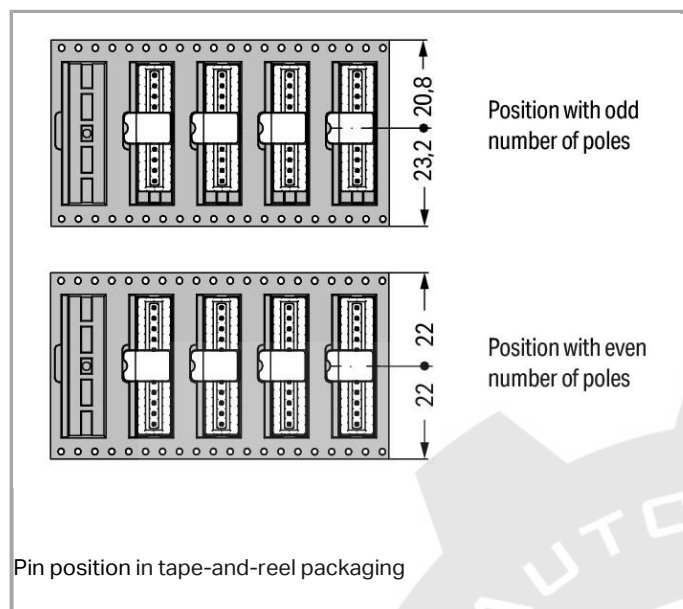


$L = (\text{pole no.} + 1) \times \text{pin spacing}$



W= Tape width

R = Feed direction



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 mismatching
- 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

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
Rated voltage (II / 2)	320 V
Rated impulse voltage (II / 2)	2.5 kV
Rated current	6 A

Approvals per UL 1059

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

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

No. of poles	5
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Total number of potentials	5
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Number of connection types	1
----------------------------	---

Number of levels	1
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Geometrical Data

Pin spacing	2.5 mm / 0.098 inch
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Width	15 mm / 0.591 inch
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Height	10.2 mm / 0.402 inch
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Height from the surface	7.8 mm / 0.307 inch
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Depth	8.9 mm / 0.35 inch
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Solder pin length	2.4 mm
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Solder pin dimensions	0.8 x 0.8 mm
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Reel diameter of tape-and-reel packaging	330 mm
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Tape width	44 mm
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Plug connection

Contact type (pluggable connector)	Male connector/plug
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Connector connection type	for PCBs
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Mismating protection	Yes
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Mating direction to the PCB	0°
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PCB contact

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

Color	black
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Material group	I
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Insulating material	Polyphthalamide (PPA GF)
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Flammability class per UL94	V0
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Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0.021 MJ
Weight	0.85 g

Environmental Requirements

Limit temperature range	-60 +100 °C
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Commercial data

Country of origin	DE
GTIN	4045454815080
Customs Tariff No.	85366990990

Compatible products

Coding



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

733-331

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download
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Subject to changes.