

Data sheet | Item number: 733-363/105-604/997-406

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; 3-pole



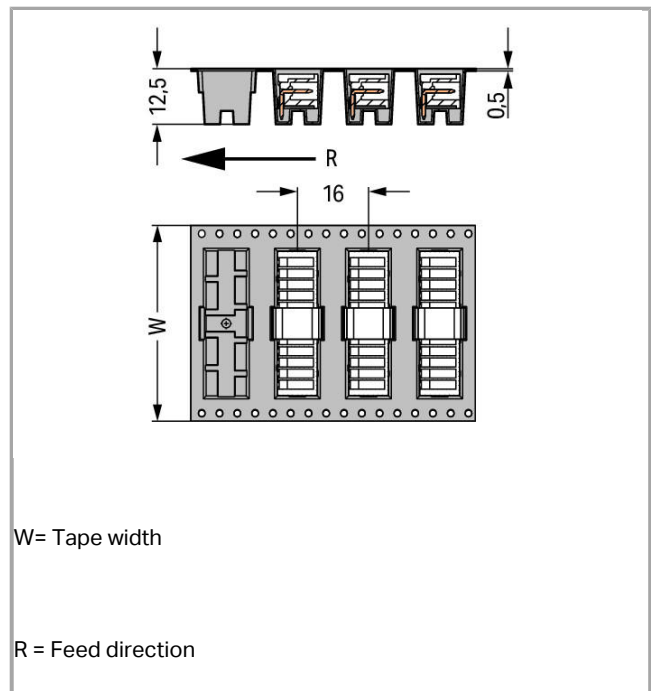
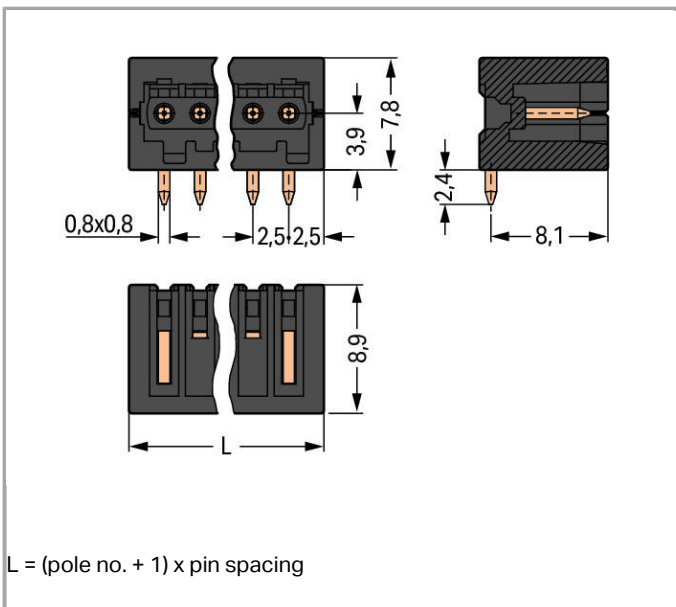
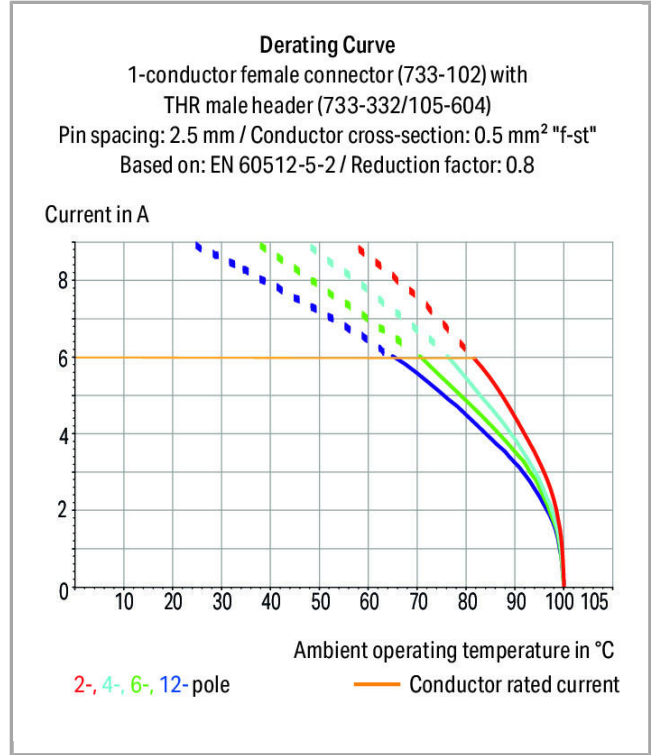
733-363/105-604/997-406

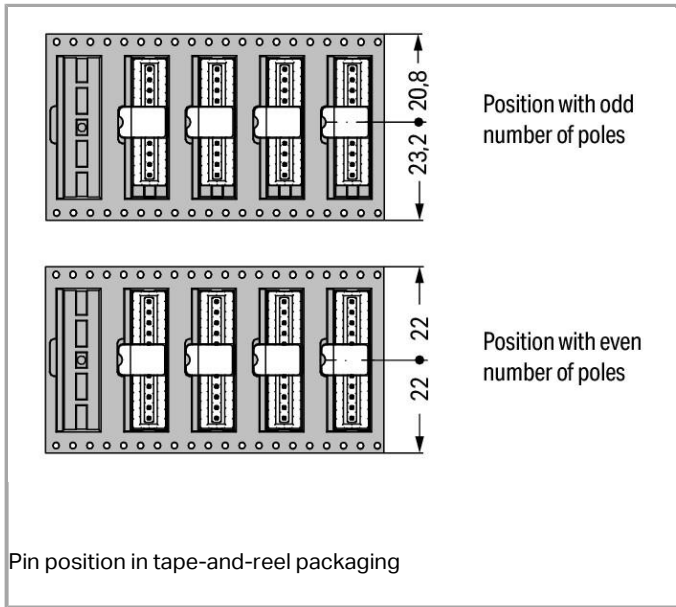


RoHS  Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color:





### 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	3
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Total number of potentials	3
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Number of connection types	1
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Number of levels	1
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### Geometrical Data

Pin spacing	2.5 mm / 0.098 inch
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Width	10 mm / 0.394 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 <sub>Cu</sub> )
Contact plating	tin-plated
Fire load	0.016 MJ
Weight	0.6 g

### Environmental Requirements


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

Country of origin	DE
GTIN	4045454815066
Customs Tariff No.	85366990990

### Approvals / Certificates

#### UL-Approvals

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

### Compatible products

#### Coding

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

#### CAD/CAE - Smart Data

#### PCB libraries

DesignSpark Library for WAGO Pluggable PCB Connectors (MULTI CONNECTION SYSTEM) Compatible with DesignSpark PCB Version 4.x or higher	2.1 Oct 6, 2014	zip 6.1 MB	Download
TARGET Library for WAGO Pluggable PCB Connectors (Multi-Connection System) Compatible with TARGET PCB Design Software Version 17.x	1.1.0 Oct 6, 2014	zip 7.4 MB	Download
EAGLE Library for WAGO Pluggable PCB Connectors (MULTI CONNECTION SYSTEM) Compatible with EAGLE PCB Design Software Version 6.x or higher	2.1 Oct 6, 2014	zip 6.2 MB	Download



Subject to changes.

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