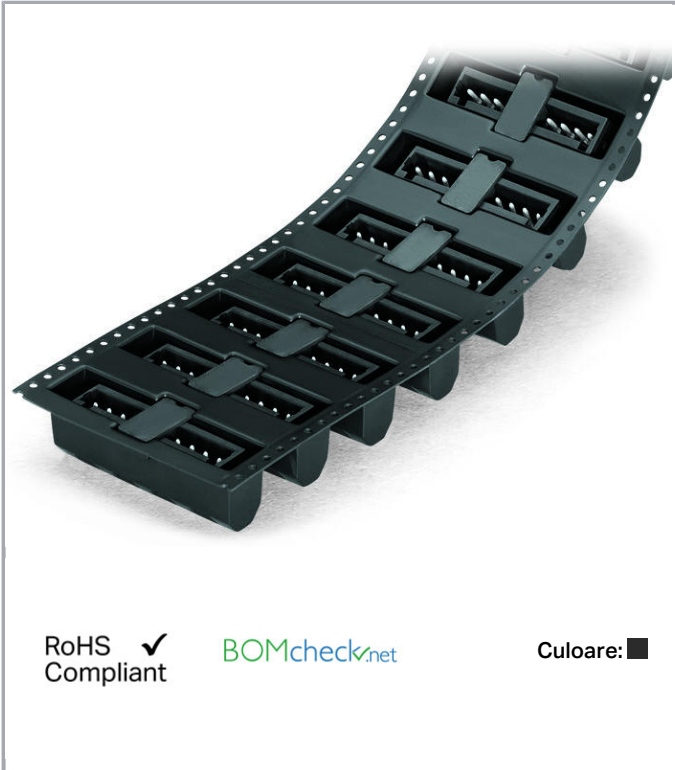


# Fișă tehnică | Număr articol: 734-142/105-604/997-407

THR male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; in tape-and-reel packaging; Pin spacing 3.5 mm; 12-pole; black



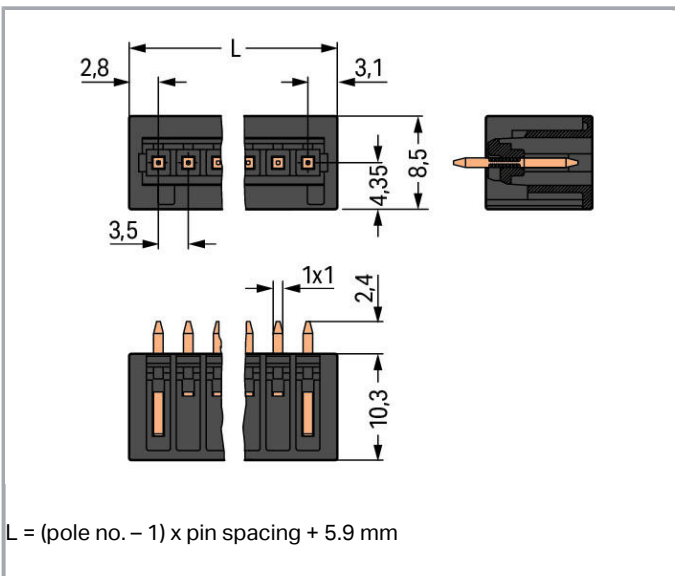
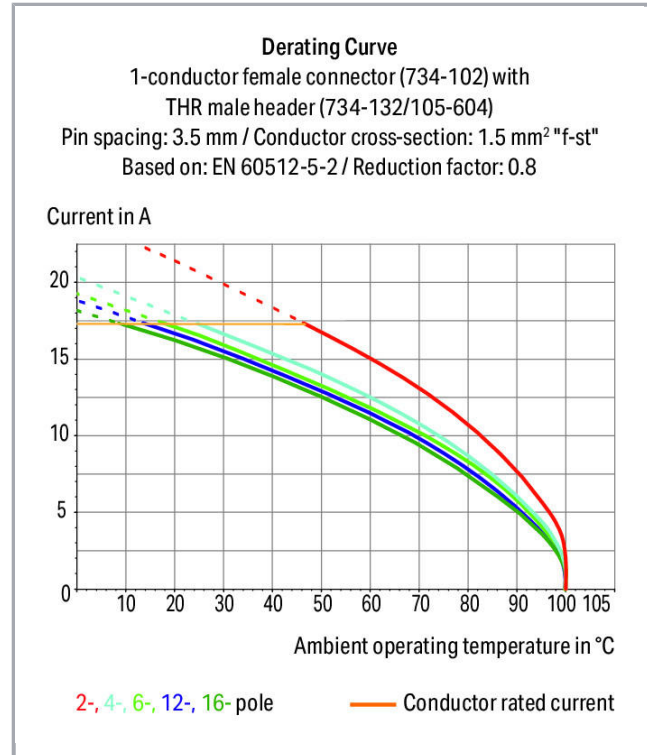
[www.wago.com/734-142/105-604/997-407](http://www.wago.com/734-142/105-604/997-407)



RoHS  Compliant

BOMcheck.net

Culoare: ■



Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
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Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



## Descriere articol

- 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.

## Date

### Electrical data

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

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	160 V
Rated surge voltage (III/3)	2,5 kV
Rated voltage (III/2)	160 V
Rated surge voltage (III/2)	2,5 kV
Nominal voltage (II/2)	320 V
Rated surge voltage (II/2)	2,5 kV
Rated current	10 A
Legend (ratings)	(III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2

#### Approvals per UL 1059

Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	10 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A
Approvals per	UL 1059

#### Approvals per CSA

Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	10 A

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Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

**Connection data**

Pole No.	12
Total number of potentials	12
Number of connection types	1
Number of levels	1

**Geometrical Data**

Pin spacing	3.5 mm / 0.138 inch
Width	44.4 mm / 1.748 inch
Height	12.7 mm / 0.5 inch
Height from the surface	10.3 mm / 0.406 inch
Depth	8.5 mm / 0.335 inch
Solder pin length	2,4 mm
Solder pin dimensions	1 x 1 mm
Plated through-hole diameter (THR)	1.4 <sup>(+0.1)</sup> mm
Reel diameter of tape-and-reel packaging	330 mm
Tape width	56 mm

**Plug connection**

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCBs
Mismating protection	Yes
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
Insulation material	Polyphthalamide (PPA GF)

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Flammability class per UL94	V0
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact plating	tin-plated
Fire load	0,074 MJ
Weight	3,3 g

### Environmental Requirements

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

### Commercial data

Packaging type	bag
Country of origin	DE
GTIN	4055143865890
Customs tariff number	85366990990

### Counterpart



#### Nr. articol 734-112

1-conductor female plug; 100% protected against mismatching; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 12-pole; 1,50 mm<sup>2</sup>; light gray

[www.wago.com/734-112](http://www.wago.com/734-112)

### Produse compatibile

#### Coding



#### Nr. articol: 734-159

Coding key; to be snapped above top level; black

[www.wago.com/734-159](http://www.wago.com/734-159)

### Descărcări

#### Documentation

##### Additional Information

Technical explanations	Apr 3, 2019	pdf 3,6 MB	Descărcare
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### CAD/CAE-Data

#### CAE data

EPLAN Data Portal 734-142/105-604/997-407

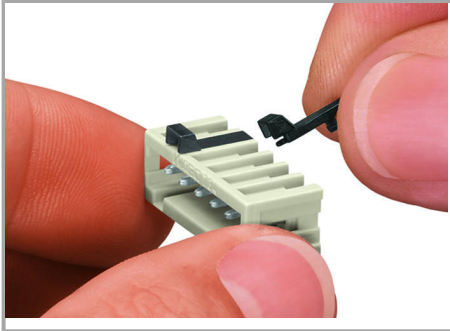
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## Installation Notes

### Coding



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

## Familie de produse

[\*MCS\* MINI](#)

[Afișare globală produse din familie.](#)

Supus modificărilor.