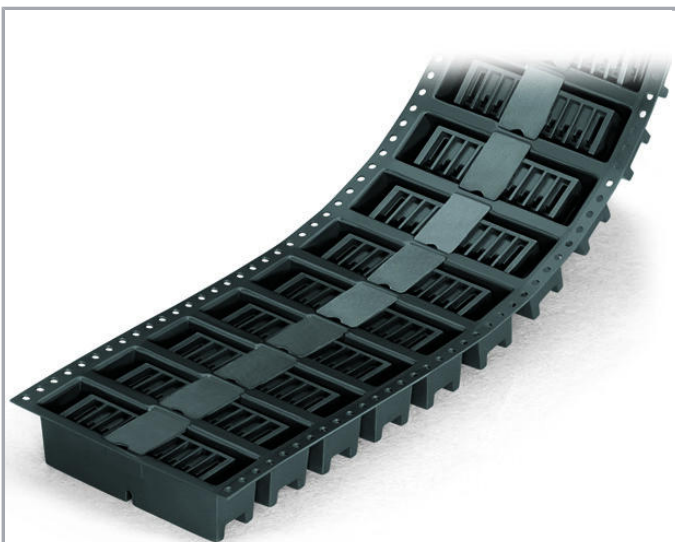


## Fișă tehnică | Număr articol: 734-266/105-604/997-407

THR male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; in tape-and-reel packaging; Pin spacing 3.81 mm; 6-pole; black

[www.wago.com/734-266/105-604/997-407](http://www.wago.com/734-266/105-604/997-407)



RoHS  
Compliant

BOMcheck.net

Culoare: ■

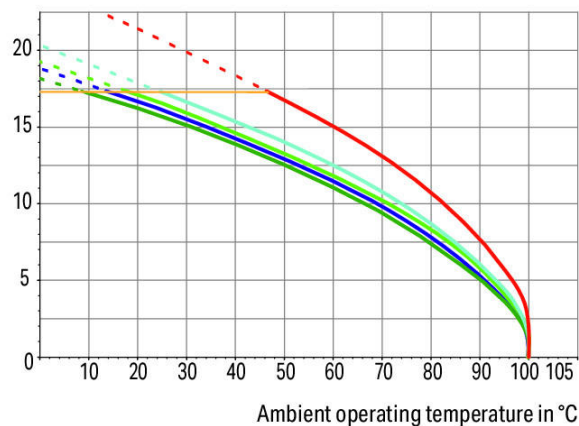
### Derating Curve

1-conductor female connector (734-102) with  
THR male header (734-132/105-604)

Pin spacing: 3.5 mm / Conductor cross-section: 1.5 mm<sup>2</sup> "f-st"

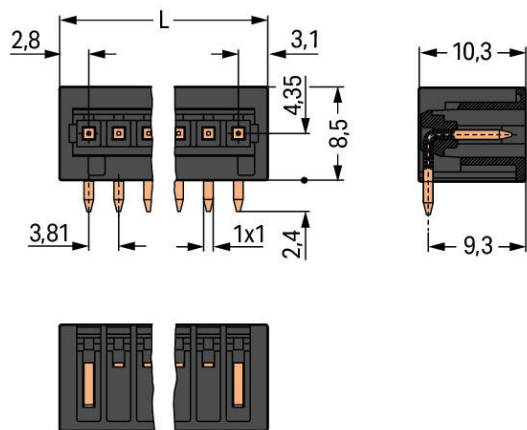
Based on: EN 60512-5-2 / Reduction factor: 0.8

Current in A



2-, 4-, 6-, 12-, 16- pole

— Conductor rated current



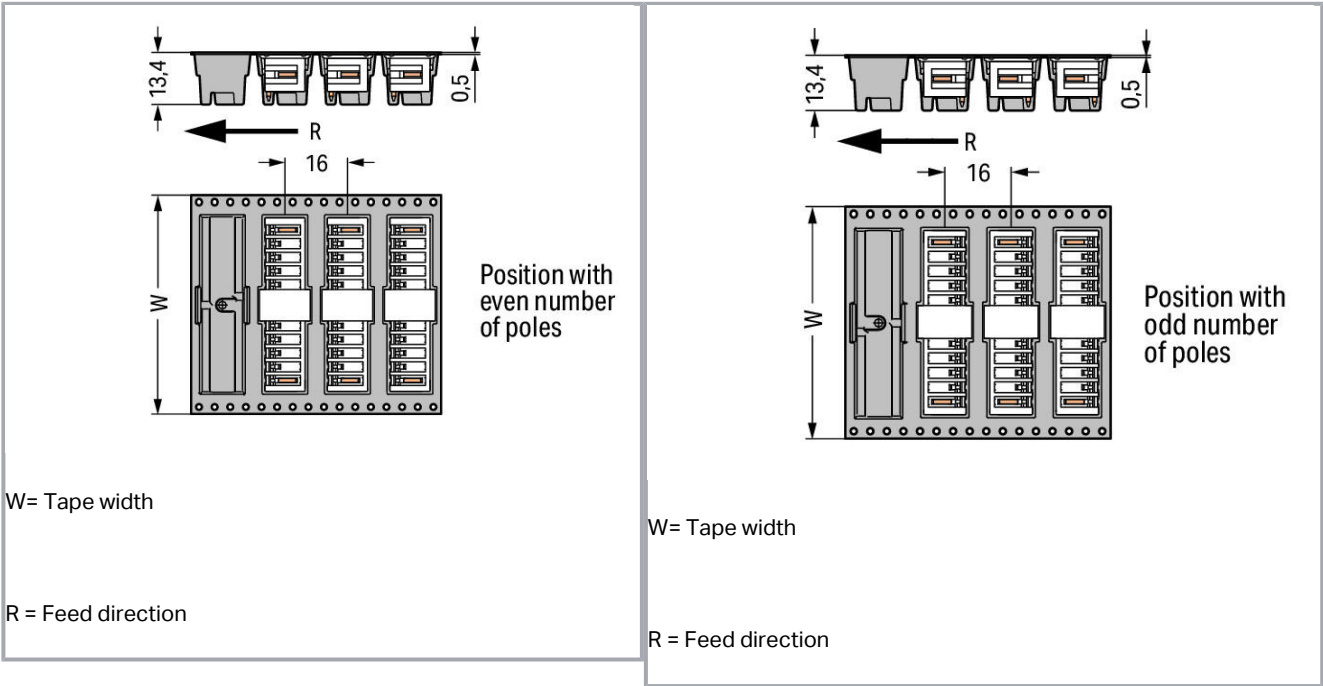
$L = (\text{pole no.} - 1) \times \text{pin spacing} + 5.9 \text{ mm}$

Supus modificărilor.

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/Representative Office Romania  
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building 1, 2nd floor | 077190 Voluntari, Ilfov  
Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

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          |

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

### Connection data

|                            |   |
|----------------------------|---|
| Pole No.                   | 6 |
| Total number of potentials | 6 |
| Number of connection types | 1 |
| Number of levels           | 1 |

### Geometrical Data

|                                          |                          |
|------------------------------------------|--------------------------|
| Pin spacing                              | 3.81 mm / 0.15 inch      |
| Width                                    | 24.95 mm / 0.982 inch    |
| Height                                   | 10.9 mm / 0.429 inch     |
| Height from the surface                  | 8.5 mm / 0.335 inch      |
| Depth                                    | 10.3 mm / 0.406 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                    |

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## Plug connection

|                                    |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type)        | for PCBs            |
| Mismating protection               | Yes                 |
| 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                                      |
| Insulation material         | Polyphthalamide (PPA GF)               |
| Flammability class per UL94 | V0                                     |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating             | tin-plated                             |
| Fire load                   | 0,038 MJ                               |
| Weight                      | 1,8 g                                  |

## Environmental Requirements

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

## Commercial data

|                       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| Packaging type        | bag                    |
| Country of origin     | DE                     |
| GTIN                  | 4045454899196          |
| Customs tariff number | 85366990990            |

## Aprobări / certificate

### Country specific Approvals

| Emblemă | Aprobare | Text de aprobare suplimentar | Nume certificat |
|---------|----------|------------------------------|-----------------|
|---------|----------|------------------------------|-----------------|

Supus modificărilor.

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KEMA/KEUR  
DEKRA Certification B.V.

EN 61984

71-  
105522**Ship Approvals**

| Emblemă                                                                          | Aprobare                                                | Text de aprobare suplimentar | Nume certificat |
|----------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------|-----------------|
|  | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                            | TAE000016Z      |

**Counterpart****Nr. articol**734-2061-conductor female plug; 100% protected against mismatching; 1.5 mm<sup>2</sup>; Pin spacing 3.81 mm; 6-pole; 1,50 mm<sup>2</sup>; orange[www.wago.com/734-206](http://www.wago.com/734-206)**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**

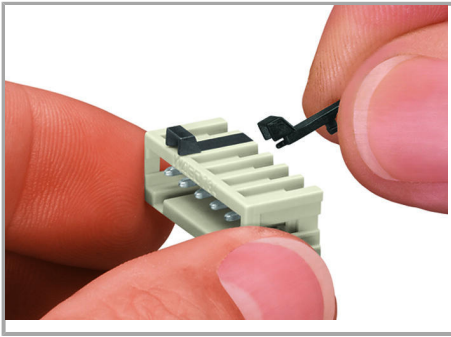
|                        |             |               |            |
|------------------------|-------------|---------------|------------|
| Technical explanations | Apr 3, 2019 | pdf<br>3,6 MB | Descărcare |
|------------------------|-------------|---------------|------------|

**Installation Notes****Coding**

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

## Familie de produse

<i>MCS</i> MINI

Afișare globală produse din familie.

Supus modificărilor.

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