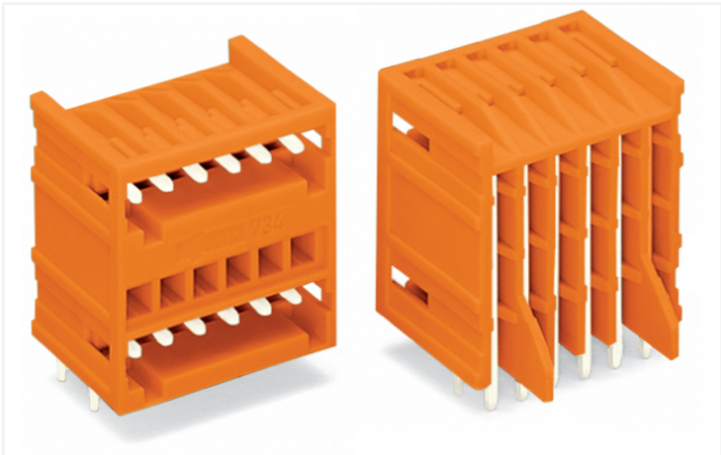
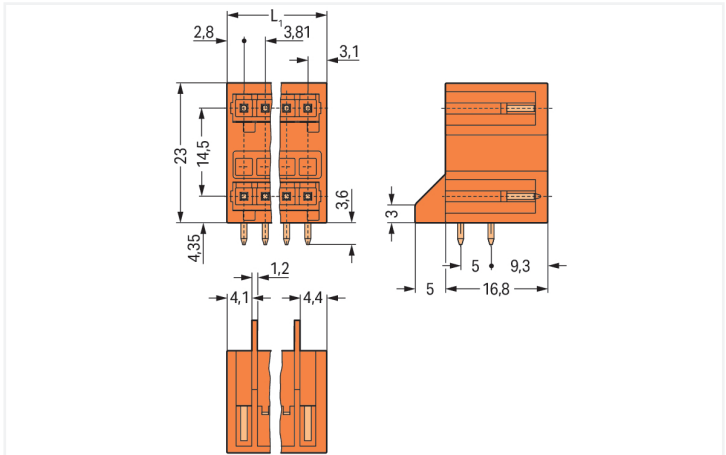


**Data Sheet | Item Number: 734-434/001-000**  
THT double-deck male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Pin spacing 3.81 mm; 8-pole; orange  
<https://www.wago.com/734-434/001-000>

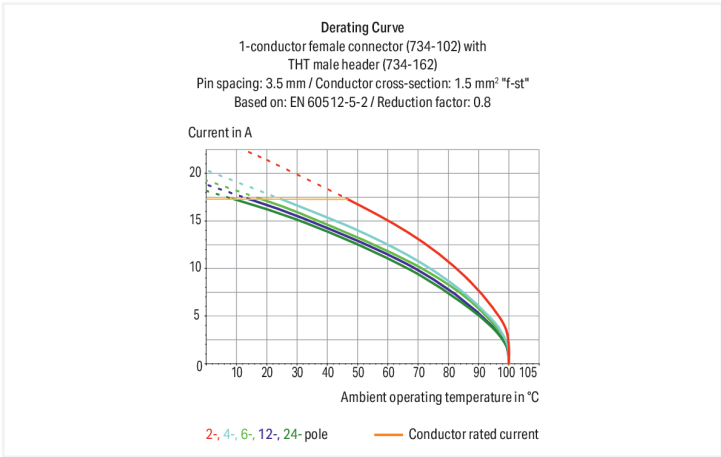


Color: ■ orange

Similar to illustration



Dimensions in mm  
 $L1 = (\text{pole no.}/2 - 1) \times \text{pin spacing} + 5.9 \text{ mm}$



**Stiftleiste Serie 734 mit Rastermaß 3,81 mm**

Die Stiftleiste mit der Artikelnummer 734-434/001-000 ermöglicht eine fehlerfreie Elektroinstallation. Setzen Sie beim Design-In Ihres Gerätes auf bewährte Sicherheit: Mit Leiterplatten-Steckverbindern erhalten Sie verschiedene Verwendungsmöglichkeiten. Die Maße sind in Breite x Höhe x Tiefe (17,33 x 26,6 x 21,8) mm. Die Oberfläche der Kontakte ist aus Zinn. Das MCS – "Multi Connection System" von WAGO umfasst insgesamt 7 Familien in den Rastermaßen 2,5 mm bis 10,16 mm und bietet mit dem Leiterquerschnittsbereich von 0,08 bis 25 mm<sup>2</sup> ein großes Portfolio an Einsatzmöglichkeiten. Der Leiterplatten-Steckverbinder wird mittels THT verlötet.

| Notes              |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety Information | The MCS – <i>MULTI CONNECTION SYSTEM</i> includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected/disconnected when live or under load. When used as intended, these connectors must 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. |
| Variants:          | Other pole numbers<br>Gold-plated or partially gold-plated contact surfaces<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> .                                                                                                                                                                                    |



| Electrical data      |        |                |        |               |               |   |
|----------------------|--------|----------------|--------|---------------|---------------|---|
| Ratings per          |        | IEC/EN 60664-1 |        |               | Approvals per |   |
|                      |        | UL 1059        |        |               |               |   |
| Overvoltage category | III    | III            | II     | Use group     | B             | C |
| Pollution degree     | 3      | 2              | 2      | Rated voltage | 300 V         | - |
| Nominal voltage      | 160 V  | 160 V          | 320 V  | Rated current | 10 A          | - |
| Rated surge voltage  | 2.5 kV | 2.5 kV         | 2.5 kV |               |               |   |
| Rated current        | 10 A   | 10 A           | 10 A   |               |               |   |

| Approvals per |       | CSA |       |  |
|---------------|-------|-----|-------|--|
| Use group     | B     | C   | D     |  |
| Rated voltage | 300 V | -   | 300 V |  |
| Rated current | 10 A  | -   | 10 A  |  |

| Connection data            |   |              |   |
|----------------------------|---|--------------|---|
| Total number of potentials | 8 | Connection 1 |   |
| Number of connection types | 1 | Pole number  | 8 |
| Number of levels           | 2 |              |   |

| Physical data                        |                         |
|--------------------------------------|-------------------------|
| Pin spacing                          | 3.81 mm / 0.15 inches   |
| Width                                | 17.33 mm / 0.682 inches |
| Height                               | 26.6 mm / 1.047 inches  |
| Height from the surface              | 23 mm / 0.906 inches    |
| Depth                                | 21.8 mm / 0.858 inches  |
| Solder pin length                    | 3.6 mm                  |
| Solder pin dimensions                | 1 x 1 mm                |
| Drilled hole diameter with tolerance | 1.4 (+0.1) mm           |

| Mechanical data          |     |
|--------------------------|-----|
| Variable coding          | Yes |
| Anti-rotation protection | Yes |

| Plug-in connection                 |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type)        | for PCB             |
| Mismating protection               | Yes                 |
| Mating direction to the PCB        | 0 °                 |

| PCB contact                         |                                          |
|-------------------------------------|------------------------------------------|
| PCB contact                         | THT                                      |
| Solder pin arrangement              | over the entire male connector (in-line) |
| Number of solder pins per potential | 1                                        |



| Material data                      |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | orange                                                                   |
| Material group                     | I                                                                        |
| Insulation material (main housing) | Polyamide (PA66)                                                         |
| Flammability class per UL94        | V0                                                                       |
| Contact material                   | Electrolytic copper (E <sub>CU</sub> )                                   |
| Contact Plating                    | Tin                                                                      |
| Fire load                          | 0.097 MJ                                                                 |
| Weight                             | 5.1 g                                                                    |

| Environmental requirements |                 |
|----------------------------|-----------------|
| Limit temperature range    | -60 ... +100 °C |
| Processing temperature     | -35 ... +60 °C  |

| Commercial data       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| PU (SPU)              | 100 pcs                |
| Packaging type        | Box                    |
| Country of origin     | DE                     |
| GTIN                  | 4044918873154          |
| Customs tariff number | 85366930000            |

| Product classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 39121409             |
| eCl@ss 10.0            | 27-44-04-02          |
| eCl@ss 9.0             | 27-44-04-02          |
| ETIM 9.0               | EC002637             |
| ETIM 8.0               | EC002637             |
| ECCN                   | NO US CLASSIFICATION |

| Environmental Product Compliance |                         |
|----------------------------------|-------------------------|
| RoHS Compliance Status           | Compliant, No Exemption |

| Approvals / Certificates                                                                                                                                                                                                                                                                                                                       |          |                  |                                                                                     |          |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------|-------------------------------------------------------------------------------------|----------|------------------|
| General approvals                                                                                                                                                                                                                                                                                                                              |          |                  | Approvals for marine applications                                                   |          |                  |
|     |          |                  |  |          |                  |
| Approval                                                                                                                                                                                                                                                                                                                                       | Standard | Certificate Name | Approval                                                                            | Standard | Certificate Name |
| CB<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                                 | EN 61984 | NL-54190         | DNV<br>DNV GL SE                                                                    | -        | TAE000016Z       |
| CSA<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                                | C22.2    | 1465035          |                                                                                     |          |                  |
| KEMA/KEUR<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                          | EN 61984 | 71-105522        |                                                                                     |          |                  |
| UL<br>Underwriters Laboratories Inc.                                                                                                                                                                                                                                                                                                           | UL 1977  | E 45171          |                                                                                     |          |                  |
| UR<br>Underwriters Laboratories Inc.                                                                                                                                                                                                                                                                                                           | UL 1059  | E45172           |                                                                                     |          |                  |

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance

734-434/001-000



Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB



CAD/CAE-Data

CAD data

2D/3D Models

734-434/001-000



CAE data

EPLAN Data Portal

734-434/001-000



ZUKEN Portal

734-434/001-000



PCB Design

Symbol and Footprint via SamacSys

734-434/001-000



Symbol and Footprint via Ultra Librarian

734-434/001-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



**Item No.: 734-204**  
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 4-pole; 100% protected against mismatching; 1,50 mm²; orange

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



Item No.: 734-400  
Coding key; to be snapped above bottom level; light gray



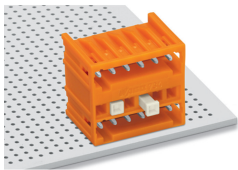
Item No.: 734-159  
Coding key; to be snapped above top level; black



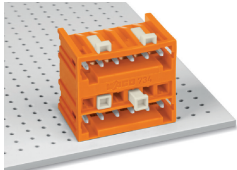
Item No.: 734-130  
Coding key; to be snapped above top level; white

Installation Notes

Coding



Coding a THT double-deck male header – lower level.



Coding a THT double-deck male header.