

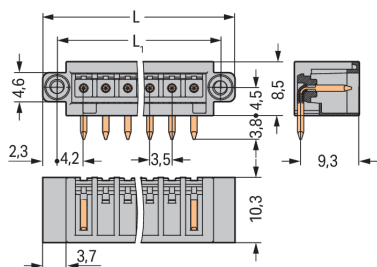
## Data Sheet | Item Number: 734-164/108-000

THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 4-pole; light gray

<https://www.wago.com/734-164/108-000>

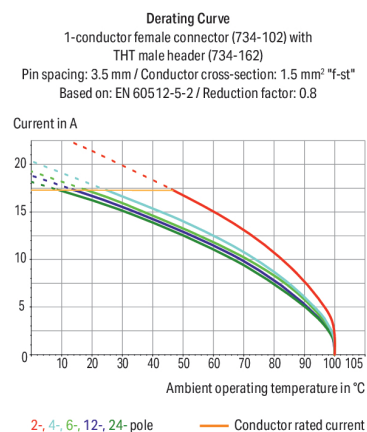


Color: ■ light gray



Dimensions in mm

$L = (\text{pole no.} \times \text{pin spacing}) + 9.5 \text{ mm}$   
 $L1 = (\text{pole no.} \times \text{pin spacing}) + 4.9 \text{ mm}$



Male connector, 734 Series, solder pin dimensions 1 x 1 mm

Seamless electrical installations are guaranteed with this male connector (item number 734-164/108-000). Dimensions: (23.5 x 12.3 x 10.3) mm (width x height x depth).

Tin is used for coating the contact surfaces. The pcb connector is designed for THT soldering.



| Notes              |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety Information | The MCS – MULTI CONNECTION SYSTEM 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 |        |
| Overvoltage category            | III    | III            | II     |
| Pollution degree                | 3      | 2              | 2      |
| Nominal voltage                 | 160 V  | 160 V          | 320 V  |
| Rated impulse withstand voltage | 2.5 kV | 2.5 kV         | 2.5 kV |
| Rated current                   | 10 A   | 10 A           | 10 A   |
| Approvals per                   |        | UL 1059        |        |
| Use group                       | B      | C              | D      |
| Rated voltage                   | 300 V  | -              | 300 V  |
| Rated current                   | 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 | 4 |
| Number of connection types | 1 |
| Number of levels           | 1 |
| Connection 1               |   |
| Pole number                | 4 |

| Physical data                        |                        |
|--------------------------------------|------------------------|
| Pin spacing                          | 3.5 mm / 0.138 inches  |
| Width                                | 23.5 mm / 0.925 inches |
| Height                               | 12.3 mm / 0.484 inches |
| Height from the surface              | 8.5 mm / 0.335 inches  |
| Depth                                | 10.3 mm / 0.406 inches |
| Solder pin length                    | 3.8 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°                  |
| Locking of plug-in connection      | Threaded flange     |

### 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                              | light gray                                                               |
| 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                          | 0.026 MJ                                                                 |
| Weight                             | 1.8 g                                                                    |

### Environmental requirements

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

### Commercial data

|                       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| PU (SPU)              | 200 pcs                |
| Packaging type        | Box                    |
| Country of origin     | PL                     |
| GTIN                  | 4045454683054          |
| 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 10.0   | EC002637             |
| ECCN        | NO US CLASSIFICATION |



| Environmental Product Compliance          |                                       |
|-------------------------------------------|---------------------------------------|
| RoHS Compliance Status                    | Compliant,With Exemption              |
| RoHS Exemption                            | 6(c)                                  |
| SCIP notification number (Austria)        | e68a597f-838f-4e77-bee3-8badc954a00a  |
| SCIP notification number (Belgium)        | 1b9491c4-9564-4c9e-a571-eea4a4668080  |
| SCIP notification number (Bulgaria)       | 632a0e11-d28e-4d8c-8e40-843fb3d4ed74  |
| SCIP notification number (Czech Republic) | 8de14e4e-3422-45ac-91ca-9a6550d5b02e  |
| SCIP notification number (Denmark)        | 6fa2ea48-db39-4268-8a21-433df17d8c6c  |
| SCIP notification number (Finland)        | 43c431f5-9bf9-4259-b397-40425afd3b52  |
| SCIP notification number (France)         | 95146849-2fea-4e7d-88e0-93e42f99a44b  |
| SCIP notification number (Germany)        | e2feb5a7-769d-4244-a4cf-19f7fd311a16  |
| SCIP notification number (Hungary)        | 60c86d4f-ca31-458c-856d-8612b50f5558  |
| SCIP notification number (Italy)          | 84df7dc2-f147-4054-9802-ffa42688e7a8  |
| SCIP notification number (Netherlands)    | 121983b9-3839-408c-8f69-eea38ff1daed  |
| SCIP notification number (Poland)         | 4e9c84ae-eb01-4b9d-bba3-e7ed99a5e711  |
| SCIP notification number (Romania)        | eead4a18-e84a-444a-b602-1d69369a5740  |
| SCIP notification number (Sweden)         | 8167955d-a206-46da-a535-776737ad9994a |

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance  
734-164/108-000

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Documentation

Additional Information

Technical Section

03.04.2019

pdf  
2027.26 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models  
734-164/108-000

↓

CAE data

ZUKEN Portal  
734-164/108-000

↓

PCB Design

Symbol and Footprint  
via SamacSys  
734-164/108-000

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Symbol and Footprint  
via Ultra Librarian  
734-164/108-000

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1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 734-104/107-000  
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 4-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray



Item No.: 2734-104/107-000  
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 4-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



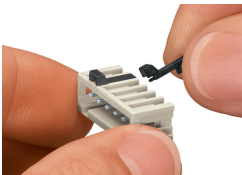
Item No.: 734-159  
Coding key; to be snapped above top level; black



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

Installation Notes

Coding



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