

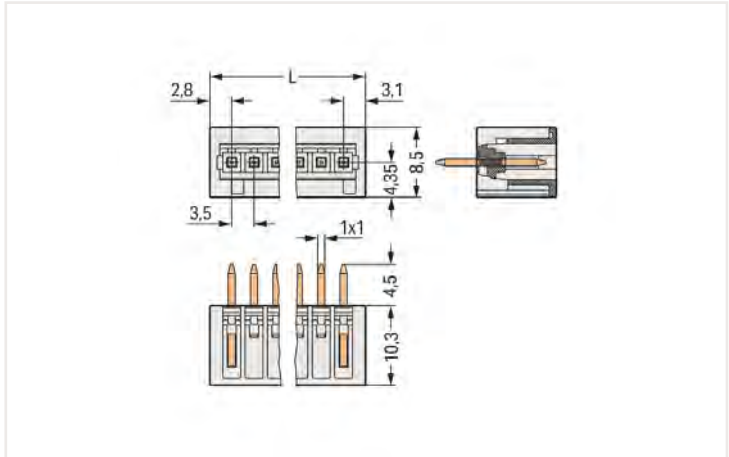
I: 734-132

THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Pin spacing 3.5 mm; 2-pole; light gray



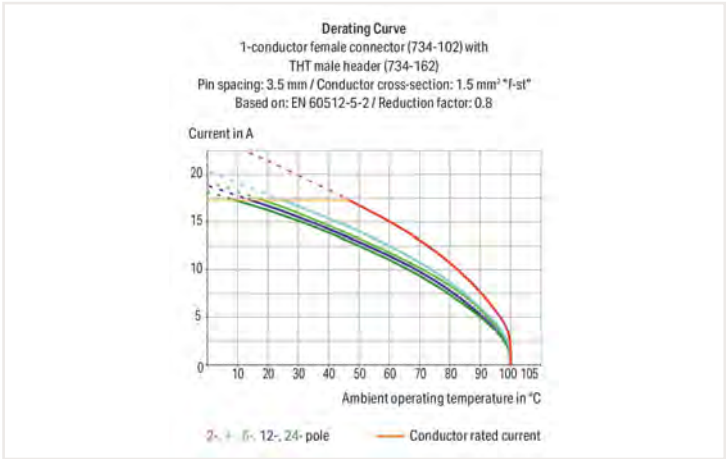
: ■ light gray

Similar to illustration



Dimensions in mm

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



- Horizontal or vertical PCB mounting via straight or angled solder pins
- 100% protected against mismatching; only mating halves with the same number of poles can be connected together
- Coding option available

| Notes                |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety information 1 | 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>3.8 mm pin projection for male headers with straight solder pins<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            |                |
| Ratings per                   | IEC/EN 60664-1 |
| Nominal voltage (III/3)       | 160 V          |
| Rated impulse voltage (III/3) | 2.5 kV         |
| Rated voltage (III/2)         | 160 V          |
| Rated impulse voltage (III/2) | 2.5 kV         |

| Ratings per IEC/EN         |                                                           |
|----------------------------|-----------------------------------------------------------|
| Nominal voltage (II/2)     | 320 V                                                     |
| Rated surge voltage (II/2) | 2.5 kV                                                    |
| Rated current              | 10 A                                                      |
| Legend (ratings)           | (III / 2) ≙ Overvoltage category III / Pollution degree 2 |

## Ratings per UL

|                                |         |
|--------------------------------|---------|
| 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    |

## Ratings per CSA

|                                 |       |
|---------------------------------|-------|
| 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

|                            |   |
|----------------------------|---|
| Total number of potentials | 2 |
| Number of connection types | 1 |
| Number of levels           | 1 |

## Connection 1

|             |   |
|-------------|---|
| Pole number | 2 |
|-------------|---|

## Physical data

|                                      |                        |
|--------------------------------------|------------------------|
| Pin spacing                          | 3.5 mm / 0.138 inches  |
| Width                                | 9.4 mm / 0.37 inches   |
| Height                               | 14.8 mm / 0.583 inches |
| Height from the surface              | 10.3 mm / 0.406 inches |
| Depth                                | 8.5 mm / 0.335 inches  |
| Solder pin length                    | 4.5 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                 |
| Plugging without loss of pin spacing | No                  |
| Mating direction to the PCB          | 90 °                |
| Locking of plug-in connection        | none                |

## 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 data can be found here</a> |
| Color                       | light gray                                                     |
| Material group              | I                                                              |
| Insulation material         | Polyamide (PA66)                                               |
| Flammability class per UL94 | V0                                                             |
| Contact material            | Electrolytic copper (E <sub>CU</sub> )                         |
| Contact plating             | Tin                                                            |
| Fire load                   | 0.011 MJ                                                       |
| Weight                      | 0.6 g                                                          |

## Environmental requirements

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

## Commercial data

|                                     |                        |
|-------------------------------------|------------------------|
| Product Group                       | 3 (Multi Conn. System) |
| eCl@ss 10.0                         | 27-44-04-02            |
| eCl@ss 9.0                          | 27-44-04-02            |
| ETIM 8.0                            | EC002637               |
| ETIM 7.0                            | EC002637               |
| PU (SPU)                            | 200 Stück              |
| Packaging type                      | Box                    |
| Country of origin VKOrg Germany     | DE                     |
| GTIN                                | 4044918847490          |
| Customs tariff number VKOrg Germany | 85366990990            |

## Approvals and certificates

### Country specific Approvals



|                                 |          |            |
|---------------------------------|----------|------------|
| CCA<br>DEKRA Certification B.V. | EN 61984 | 2169534.02 |
| CCA<br>DEKRA Certification B.V. | EN 61984 | nl-54190   |
| CSA<br>DEKRA Certification B.V. | C22.2    | 1465035    |

### Ship Approvals



|                                                       |           |                  |
|-------------------------------------------------------|-----------|------------------|
| ABS<br>American Bureau of Ship-<br>ping               | -         | 19-HG1869876-PDA |
| DNV GL<br>Det Norske Veritas, Ger-<br>manischer Lloyd | -         | TAE000016Z       |
| LR<br>Lloyds Register                                 | IEC 61984 | 96/20035 (E5)    |

### UL-Approvals



|                                         |         |        |
|-----------------------------------------|---------|--------|
| UL<br>UL International Germany<br>GmbH  | UL 1977 | E45171 |
| UR<br>Underwriters Laboratories<br>Inc. | UL 1059 | E45172 |

## Downloads

### Environmental Product Compliance

#### Compliance Search

Environmental Product  
Compliance 734-132



## Documentation

#### Additional Information

Technical Section

03.04.2019

pdf

1949.09 KB



## CAD/CAE-Data

#### CAD data

2D/3D Models 734-132



#### CAE data

EPLAN Data Portal  
734-132



ZUKEN Portal 734-132



## 1 Compatible products

### 1.1 System counterpart

#### 1.1.1 Female connector/socket



##### : 734-102

1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 100% protected against mismatching; 1,50 mm²; light gray



##### : 734-102/037-000

1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 100% protected against mismatching; Lateral locking levers; 1,50 mm²; light gray



##### : 734-102/037-000/032-000

1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 100% protected against mismatching; Lateral locking levers; Strain relief plate; 1,50 mm²; light gray



##### : 2734-1102/327-000

1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 100% protected against mismatching; 1,50 mm²; light gray



##### : 2734-102

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 100% protected against mismatching; 1,50 mm²; light gray



##### : 2734-102/031-000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 100% protected against mismatching; clamping collar; 1,50 mm²; light gray



##### : 2734-102/037-000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 100% protected against mismatching; Lateral locking levers; 1,50 mm²; light gray

## 1.2 Optional accessories

### 1.2.1 Coding

#### 1.2.1.1 Coding



##### : 734-159

Coding key; to be snapped above top level; black



##### : 734-130

Coding key; to be snapped above top level; white

## Installation notes

### Coding



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