

Data sheet | Item number: 734-162

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

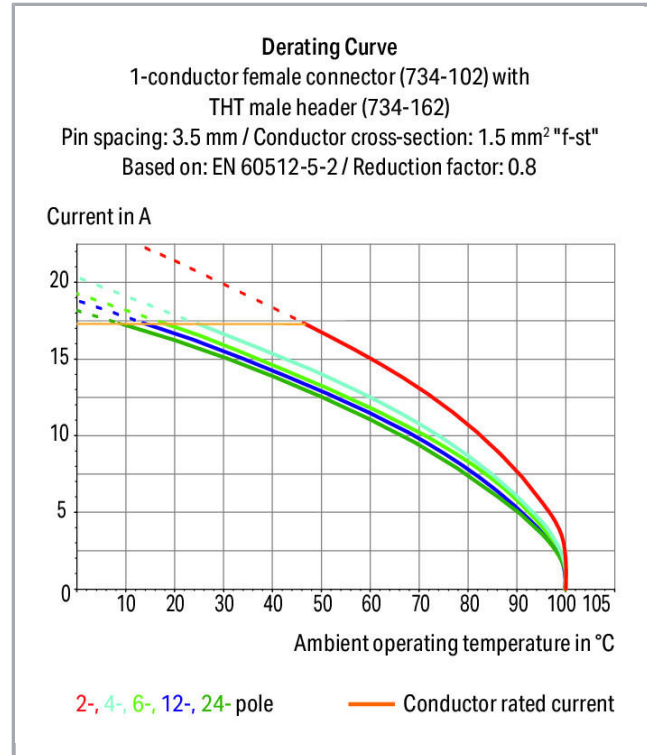
www.wago.com/734-162



RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

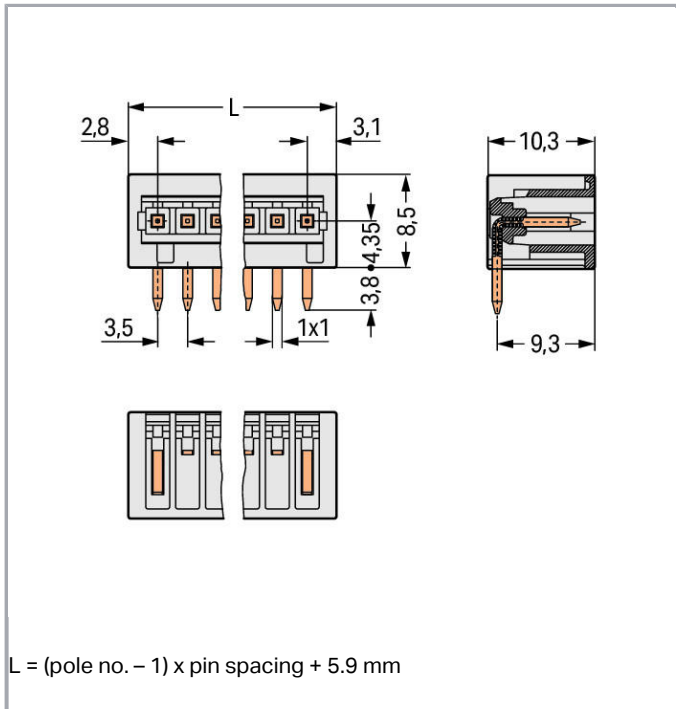
Color:



Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Item description

- 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 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.

Data

Electrical data

Ratings per IEC/EN 60664-1

| Ratings per | IEC/EN 60664-1 |
|---------------------------------|----------------|
| Rated 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 |

Subject to changes. Please also observe the further product documentation!



| | |
|--------------------------------|--|
| Rated voltage (II / 2) | 320 V |
| Rated impulse 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

| | |
|----------------------------|---|
| No. of poles | 2 |
| Total number of potentials | 2 |
| Number of connection types | 1 |
| Number of levels | 1 |

Geometrical Data

| | |
|-----------------------------------|--------------------------|
| Pin spacing | 3.5 mm / 0.138 inch |
| Width | 9.4 mm / 0.37 inch |
| Height | 12.3 mm / 0.484 inch |
| Height from the surface | 8.5 mm / 0.335 inch |
| Depth | 10.3 mm / 0.406 inch |
| Solder pin length | 3.8 mm |
| Solder pin dimensions | 1 x 1 mm |
| Drilled hole diameter (tolerance) | 1.4 ^(+0.1) mm |

Plug connection

| | |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
|------------------------------------|---------------------|

Subject to changes. Please also observe the further product documentation!

| | |
|-----------------------------|----------|
| Connector connection type | for PCBs |
| 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

| | |
|-----------------------------|--|
| Color | light gray |
| Material group | I |
| Insulating material | Polyamide 66 (PA 66) |
| Flammability class per UL94 | V0 |
| Contact material | Electrolytic copper (E _{Cu}) |
| Contact plating | tin-plated |
| Fire load | 0.011 MJ |
| Weight | 0.6 g |

Environmental Requirements

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

Commercial data

| | |
|--------------------|------------------------|
| Product Group | 3 (Multi Conn. System) |
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4044918872218 |
| Customs Tariff No. | 85366990990 |

Counterpart



Item no.734-102

1-conductor female plug; 100% protected against mismating; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 1,50 mm²; light gray www.wago.com/734-102



Item no.2734-102

1-conductor female plug; 100% protected against mismating; push-button; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 1,50 mm²; light gray www.wago.com/2734-102

Subject to changes. Please also observe the further product documentation!



Item no.2734-102/031-000

1-conductor female plug; 100% protected against mismatching; push-button; clamping collar; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 1,50 mm²; light gray

www.wago.com/2734-102/031-000



Item no.734-102/037-000/032-000

1-conductor female plug; 100% protected against mismatching; Locking lever; Strain relief plate; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 1,50 mm²; light gray

www.wago.com/734-102/037-000/032-000



Item no.734-102/037-000

1-conductor female plug; 100% protected against mismatching; Locking lever; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 1,50 mm²; light gray

www.wago.com/734-102/037-000



Item no.2734-102/037-000

1-conductor female plug; 100% protected against mismatching; push-button; Locking lever; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 1,50 mm²; light gray

www.wago.com/2734-102/037-000

Compatible products

Coding

Item no.: 734-130

Coding key; to be snapped above top level; white

www.wago.com/734-130



Item no.: 734-159

Coding key; to be snapped above top level; black

www.wago.com/734-159

Downloads

Documentation

Additional Information

| | | | |
|------------------------|-------------|---------------|----------|
| Technical explanations | Apr 3, 2019 | pdf 3.6 MB | Download |
|------------------------|-------------|---------------|----------|

CAD/CAE-Data

CAD data

| | | |
|----------------------|-----|----------|
| 2D/3D Models 734-162 | URL | Download |
|----------------------|-----|----------|

CAE data

| | | |
|---------------------------|-----|----------|
| EPLAN Data Portal 734-162 | URL | Download |
|---------------------------|-----|----------|

PCB Design

| | | |
|------------------------------|-----|----------|
| Symbol and Footprint 734-162 | URL | Download |
|------------------------------|-----|----------|

Subject to changes. Please also observe the further product documentation!



CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

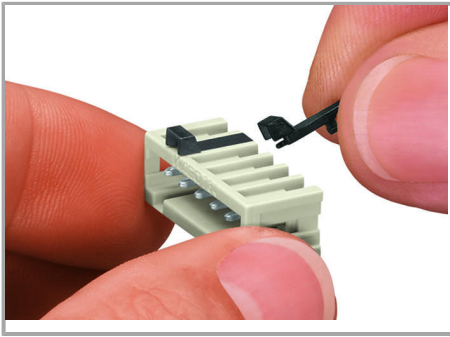
Installation Notes

Coding

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

Product family

***MCS* MINI**

[Learn more about the product family.](#)

[Show all products from the family](#)

Subject to changes. Please also observe the further product documentation!