Data Sheet | Item Number: 734-163

THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismating; Pin spacing 3.5 mm; 3-pole; light gray

https://www.wago.com/734-163





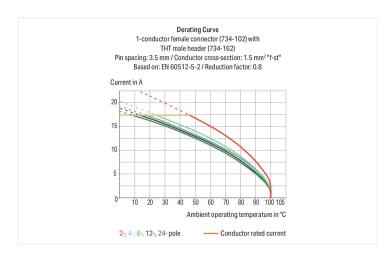
3,1 3,1 10,3 1x1 1x1 1 10,3 1x1 1 10,3

Color: Ilight gray

Similar to illustration

Dimensions in mm

L = (pole no. - 1) x pin spacing + 5.9 mm



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

| Note | s |
|------|---|
|------|---|

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

3.8 mm pin projection for male headers with straight solder pins Gold-plated or partially gold-plated contact surfaces

Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/.

| Electrical data | | | |
|----------------------|--------|------------|--------|
| Ratings per | IE | C/EN 60664 | -1 |
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 160 V | 160 V | 320 V |
| Rated surge voltage | 2.5 kV | 2.5 kV | 2.5 kV |
| Rated current | 10 A | 10 A | 10 A |

| Approvals per | | UL 1059 | |
|---------------|-------|---------|-------|
| Use group | В | С | D |
| Rated voltage | 300 V | - | 300 V |
| Rated current | 10 A | - | 10 A |
| | | | |

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| Approvals per | | CSA | |
|---------------|-------|-----|-------|
| Use group | В | С | D |
| Rated voltage | 300 V | - | 300 V |
| Rated current | 10 A | - | 10 A |

| Connection data | | | |
|----------------------------|---|---------------|--|
| Total number of potentials | 3 | Connection 1 | |
| Number of connection types | 1 | Pole number 3 | |
| Number of levels | 1 | | |

| Physical data | |
|--------------------------------------|--------------------------|
| Pin spacing | 3.5 mm / 0.138 inches |
| Width | 12.9 mm / 0.508 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° |

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

| Material data | |
|-----------------------------|--|
| Note (material data) | |
| | Information on material specifications can be found here |
| Color | light gray |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | VO |
| Contact material | Electrolytic copper (E _{Cu}) |
| Contact plating | Tin |
| Fire load | 0.014 MJ |
| Weight | 0.9 g |

Data Sheet | Item Number: 734-163

https://www.wago.com/734-163



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 pcs |
| Packaging type | Вох |
| Country of origin | DE |
| GTIN | 4044918872232 |
| Customs tariff number | 85366930000 |

Environmental Product Compliance

RoHS Compliance Status Compliant, No Exemption

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 734-163

Documentation

Additional Information

Technical Section

03.04.2019

2010.85 KB

CAD/CAE-Data

CAD data

2D/3D Models 734-163

CAE data

EPLAN Data Portal

ZUKEN Portal 734-163





1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 734-103

1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3pole; 100% protected against mismating; 1,50 mm²; light gray



Item No.: 734-103/037-000

1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3pole; 100% protected against mismating; Lateral locking levers; 1,50 mm²; light



Item No.: 734-103/037-000/032-000

1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3pole; 100% protected against mismating; Lateral locking levers; Strain relief plate; 1,50 mm²; light gray



Item No.: 2734-1103/327-000

1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismating; 1,50 mm2; light gray



Item No.: 2734-1103/327-047

1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismating; direct marking; 1,50 mm²; light gray

Item No.: 2734-1103/327-000/333-000

sh-in CAGE CLAMP®; 1.5 mm²; Pin spa-

cing 3.5 mm; 3-pole; 100% protected

1-conductor female connector; lever; Pu-

against mismating; Strain relief plate; 1,50



Item No.: 2734-1103/327-9037

1-conductor female connector: lever: Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismating; direct marking; 1,50 mm²; light gray

1-conductor female connector; push-

Pin spacing 3.5 mm; 3-pole; 100% pro-

button; Push-in CAGE CLAMP®; 1.5 mm²;

tected against mismating; 1,50 mm2; light



Item No.: 2734-1103/038-000

1-conductor female connector: lever: Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismating; Lateral locking levers; 1,50 mm²; light gray



Item No.: 2734-1103/038-000/333-000

1-conductor female connector: lever: Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismating; Lateral locking levers; Strain relief plate; 1,50 mm²; light gray



Item No.: 2734-103/031-000

1-conductor female connector; pushbutton; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismating; clamping collar; 1,50 mm²; light gray



Item No.: 2734-103/037-000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismating; Lateral locking levers; 1,50 mm²; light gray



Item No.: 734-533

mm²; light gray

THT female header; angled; Pin spacing 3.5 mm; 3-pole; 100% protected against mismating; 0.9 x 0.9 mm solder pin; light gray



Item No.: 2734-103

THT female header; angled; Pin spacing 3.5 mm; 3-pole; 100% protected against mismating; Locking lever; 0.9 x 0.9 mm solder pin; light gray



Item No.: 734-463

THT female header; straight; Pin spacing 3.5 mm; 3-pole; 100% protected against mismating; 0.9 x 0.9 mm solder pin; light gray



Item No.: 734-463/037-000

THT female header; straight; Pin spacing 3.5 mm; 3-pole; 100% protected against mismating; Locking lever; 0.9 x 0.9 mm solder pin; 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 le-

Installation Notes

Coding



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

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

Current addresses can be found at:: www.wago.com

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