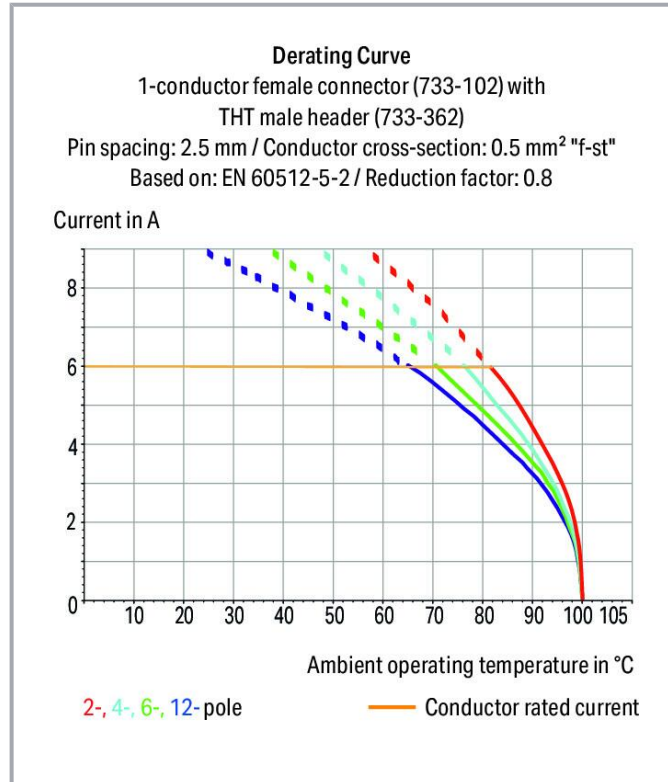


Data sheet | Item number: 733-336

THT male header; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; Pin spacing 2.5 mm; 6-pole; light gray

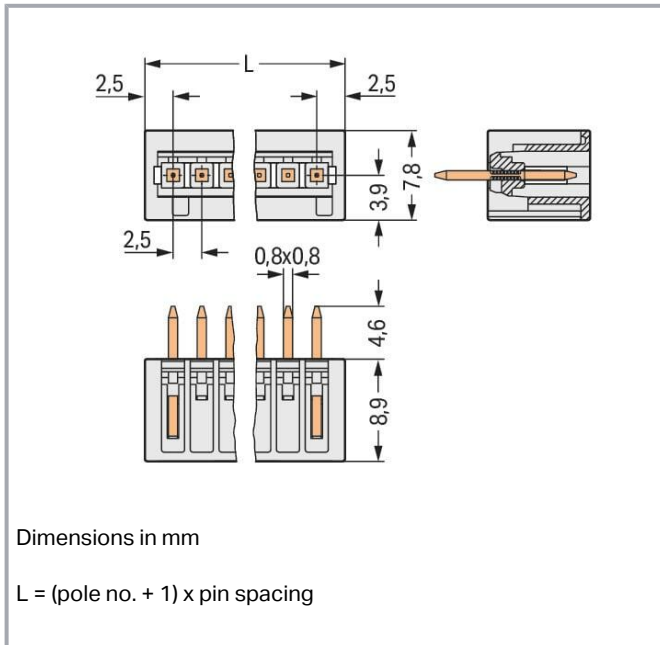
www.wago.com/733-336



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

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Item description

- 100% protected against mismatching; only mating halves with the same pole number can be connected
- Coding option available

Data

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
 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

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



Ratings per IEC/EN

| Ratings per | IEC/EN 60664-1 |
|-------------------------------|--|
| Nominal voltage (III/3) | 80 V |
| Rated impulse voltage (III/3) | 2.5 kV |
| Rated voltage (III/2) | 160 V |
| Rated impulse voltage (III/2) | 2.5 kV |
| Nominal voltage (II/2) | 320 V |
| Rated surge voltage (II/2) | 2.5 kV |
| Rated current | 6 A |
| Legend (ratings) | (III / 2) \triangleq Overvoltage category III / Pollution degree 2 |

Ratings per UL 1059

| Approvals per | UL 1059 |
|--------------------------------|---------|
| Rated voltage UL (Use Group B) | 150 V |
| Rated current UL (Use Group B) | 4 A |

Ratings per CSA

| Approvals per | CSA |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 150 V |
| Rated current CSA (Use Group B) | 4 A |

Connection data

| | |
|----------------------------|---|
| Total number of potentials | 6 |
| Number of connection types | 1 |
| Number of levels | 1 |

Connection 1

| | |
|-------------|---|
| Pole number | 6 |
|-------------|---|

Physical data

| | |
|-------------------------|------------------------|
| Pin spacing | 2.5 mm / 0.098 inches |
| Width | 17.5 mm / 0.689 inches |
| Height | 13.5 mm / 0.531 inches |
| Height from the surface | 8.9 mm / 0.35 inches |
| Depth | 7.8 mm / 0.307 inches |

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



| | |
|--------------------------------------|--------------------------|
| Solder pin length | 4.6 mm |
| Solder pin dimensions | 0.8 x 0.8 mm |
| Drilled hole diameter with tolerance | 1.1 ^(+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 ° |

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) | Information on material specifications can be found here |
| Color | light gray |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Contact material | Electrolytic copper (E _{Cu}) |
| Contact plating | Tin |
| Fire load | 0.015 MJ |
| Weight | 0.9 g |

Environmental requirements

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

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

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 | box |
| Country of origin | CN |
| GTIN | 4050821035633 |
| Customs tariff number | 85366990990 |

Environmental Product Compliance

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

Approvals / Certificates

General approvals


| Logo | Approval | Additional Approval Text | Certificate name |
|--|--------------------------------------|--------------------------|------------------|
| | CCA DEKRA Certification B.V. | IEC 61984 | NL-31141 |
|  | CCA DEKRA Certification B.V. | EN 61984 | 2169534.01 |
|  | CSA DEKRA Certification B.V. | C22.2 | 1465035 |
|  | UL UL International Germany GmbH | UL 1977 | E45171 |
|  | UR Underwriters Laboratories Inc. | UL 1059 | E45172 |

Declarations of conformity and manufacturer's declarations




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| Logo | Approval | Additional Approval Text | Certificate name |
|--|--------------------------------------|--------------------------|------------------|
|  | Railway WAGO GmbH & Co. KG | - | Railway Ready |



Approvals for marine applications

| Logo | Approval | Additional Approval Text | Certificate name |
|---|---|--------------------------|--------------------------|
|  | ABS American Bureau of Shipping | - | 19- HG1869876- PDA |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE000016Z |
|  | LR Lloyds Register | IEC 61984 | 96/20035 (E5) |

Counterpart

| | | |
|--|--|--|
|  | Item no.733-106 1-conductor female connector; CAGE CLAMP®; 0.5 mm²; Pin spacing 2.5 mm; 6-pole; 100% protected against mismatching; 0,50 mm²; light gray | www.wago.com/733-106 |
|  | Item no.733-106/037-000 1-conductor female connector; CAGE CLAMP®; 0.5 mm²; Pin spacing 2.5 mm; 6-pole; 100% protected against mismatching; Lateral locking levers; 0,50 mm²; light gray | www.wago.com/733-106/037-000 |

Optional accessories

| Coding | | |
|--|---|--|
|  | Item no.: 733-330 Coding key; snap-on type; white | www.wago.com/733-330 |
|  | Item no.: 733-331 Coding key; snap-on type; black | www.wago.com/733-331 |

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



Downloads

Documentation

Additional Information

| | | | |
|------------------------|------------|--------|----------|
| Technical Section | 2019 Apr 3 | pdf | Download |
| Technical explanations | | 2.0 MB | |

CAD/CAE-Data

CAD data

| | | | |
|----------------------|--|-----|----------|
| 2D/3D Models 733-336 | | URL | Download |
|----------------------|--|-----|----------|

CAE data

| | | | |
|---------------------------|--|-----|----------|
| EPLAN Data Portal 733-336 | | URL | Download |
|---------------------------|--|-----|----------|

| | | | |
|----------------------|--|-----|----------|
| ZUKEN Portal 733-336 | | URL | Download |
|----------------------|--|-----|----------|

PCB Design

| | | | |
|------------------------------|--|-----|----------|
| Symbol and Footprint 733-336 | | URL | Download |
|------------------------------|--|-----|----------|

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

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

- 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

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 733-336

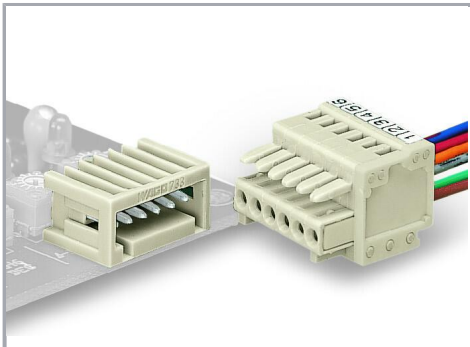
URL

Download

THT male header; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; Pin spacing 2.5 mm; 6-pole; light gray

Installation Notes

Mismatching protection



Male headers and female connectors are 100% protected against mismatching.

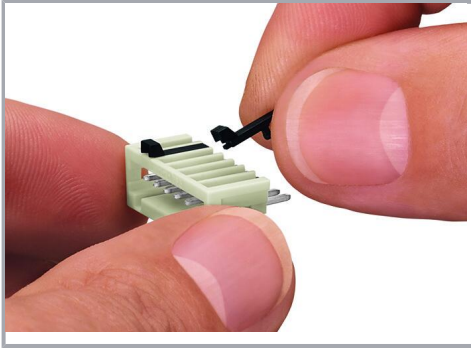
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Coding

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

Product family

MCS MICRO

[Show all products from the family](#)

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