

Data Sheet | Item Number: 713-1478/107-000

THT male header, 2-row; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; with orientation nose; Threaded flange; Pin spacing 3.5 mm; 36-pole; black

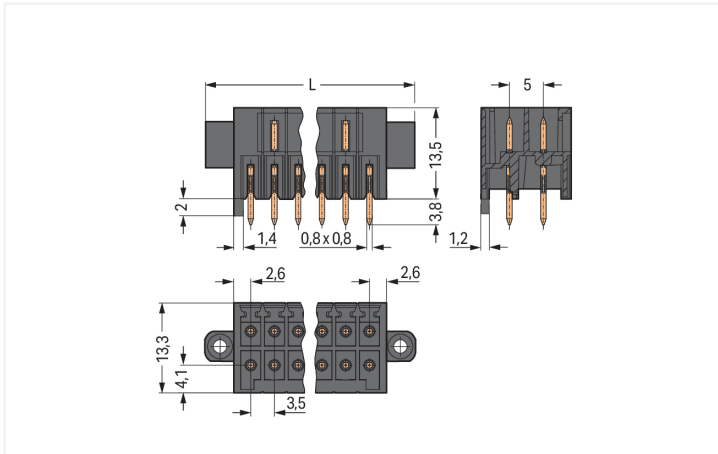
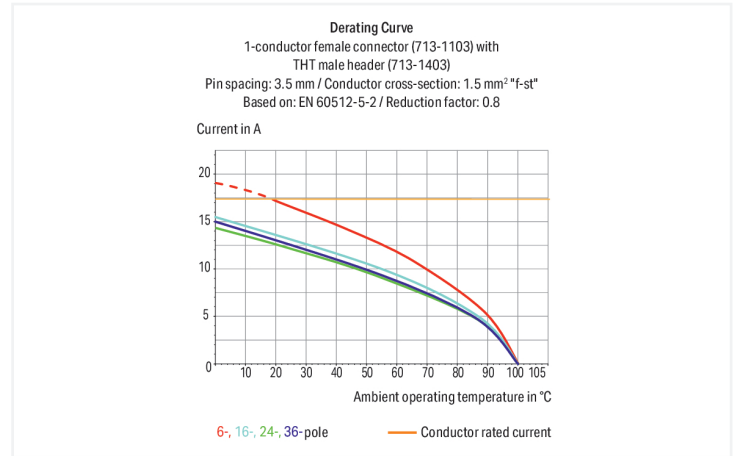


<https://www.wago.com/713-1478/107-000>



Color: ■ black

Similar to illustration



Dimensions in mm

$L = [(pole\ no./2) - 1] \times pin\ spacing + 13.6\ mm$

Male connector, 713 Series, with 3.5 mm pin spacing

This male connector (item number 713-1478/107-000) is designed for hassle-free electrical installations. The item's dimensions are (73.1 x 17.3 x 13.3) mm (width x height x depth).

The contact surface is coated with tin. THT is used to assemble the pcb connector.

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
Other solder pin lengths
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 | IEC/EN 60664-1 | | | Approvals per | UL 1059 | | |
|---------------------------------|----------------|--------|--------|---------------|---------|------|---|
| Overvoltage category | III | III | II | Use group | B | C | D |
| Pollution degree | 3 | 2 | 2 | Rated voltage | 150 V | 50 V | - |
| Nominal voltage | 80 V | 160 V | 250 V | Rated current | 10 A | 10 A | - |
| Rated impulse withstand voltage | 2.5 kV | 2.5 kV | 2.5 kV | | | | |
| Rated current | 10 A | 10 A | 10 A | | | | |

| Approvals per | CSA | | |
|---------------|-------|---|---|
| Use group | B | C | D |
| Rated voltage | 150 V | - | - |
| Rated current | 12 A | - | - |

Connection Data

| | | | |
|----------------------------|----|---------------------|----|
| Total number of potentials | 36 | Connection 1 | |
| Number of connection types | 1 | Pole number | 36 |
| Number of levels | 2 | | |

Physical data

| | |
|--------------------------------------|--------------------------|
| Pin spacing | 3.5 mm / 0.138 inches |
| Width | 73.1 mm / 2.878 inches |
| Height | 17.3 mm / 0.681 inches |
| Height from the surface | 13.5 mm / 0.531 inches |
| Depth | 13.3 mm / 0.524 inches |
| Solder pin length | 3.8 mm |
| Solder pin dimensions | 0.8 x 0.8 mm |
| Drilled hole diameter with tolerance | 1.2 ^(+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 | 90 ° |
| 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) | Information on material specifications can be found here |
| Color | black |
| Material group | I |
| Insulation material (main housing) | Polyphthalamide (PPA GF) |
| Flammability class per UL94 | V0 |
| Contact material | Electrolytic copper (E _{Cu}) |
| Contact Plating | Tin |
| Fire load | 0.193 MJ |
| Weight | 9.7 g |

Environmental requirements

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

Commercial data

| | |
|-----------------------|------------------------|
| Product Group | 3 (Multi Conn. System) |
| PU (SPU) | 20 pcs |
| Packaging type | Box |
| Country of origin | PL |
| GTIN | 4045454809560 |
| 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) | 1784558b-72cc-477f-846d-6155dc600a2d |
| SCIP notification number (Belgium) | 135d7a79-15d6-4cdb-995a-12ebd35f2451 |
| SCIP notification number (Bulgaria) | 9b561b74-ee80-4809-a5bc-570d15cddb40 |
| SCIP notification number (Czech Republic) | 70160627-17f2-40e8-98b5-99d79db0b33c |
| SCIP notification number (Denmark) | acd47503-8811-4bef-a112-0ab405d4515e |
| SCIP notification number (Finland) | 88ce6afc-cea1-446e-b3e6-79cc52624d15 |
| SCIP notification number (France) | af128518-4926-46b6-88d8-e5b1b4f8f2f9 |
| SCIP notification number (Germany) | de06fd4f-b03e-43c7-be3a-26ee6ac3a118 |
| SCIP notification number (Hungary) | e0b278e3-ccb-d424c-bd21-a48cd61f7d91 |
| SCIP notification number (Italy) | 92eb83fc-79ec-4376-8367-d261b585396c |
| SCIP notification number (Netherlands) | 00730236-3189-430b-994f-e232453648e9 |
| SCIP notification number (Poland) | 81122227-1f8c-43a9-a069-c25c4d199ca3 |
| SCIP notification number (Romania) | b19cb4b3-6e5e-40cd-a4ea-84e2b801a793 |
| SCIP notification number (Sweden) | 069fff84-1e96-4134-bd4c-bbe1205697c8 |

Approvals / Certificates

General approvals



| Approval | Standard | Certificate Name |
|---------------------------------------|-----------|------------------|
| CB DEKRA Certification B.V. | IEC 61984 | NL-102427 |
| CSA CSA Group | C22.2 | 2315087 |
| KEMA/KEUR DEKRA Certification B.V. | EN 61984 | 71-133740 |

Downloads

Environmental Product Compliance

| Compliance Search | |
|--|-------------------|
| Environmental Product Compliance 713-1478/107-000 | ↓ |

Documentation

| Additional Information | | | |
|------------------------|------------|-------------------|-------------------|
| Technical Section | 03.04.2019 | pdf 2027.26 KB | ↓ |

CAD/CAE-Data

CAD data

2D/3D Models
713-1478/107-000



CAE data

ZUKEN Portal
713-1478/107-000



PCB Design

Symbol and Footprint
via SamacSys
713-1478/107-000



Symbol and Footprint
via Ultra Librarian
713-1478/107-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: [713-1118/107-000](#)

1-conductor female connector, 2-row; CA-GE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 36-pole; 100% protected against mismatching; Screw flange; black

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding

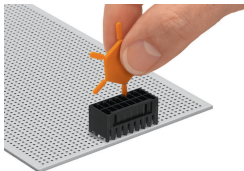


Item No.: [714-101](#)

Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.