

Data Sheet | Item Number: 713-1427/117-000

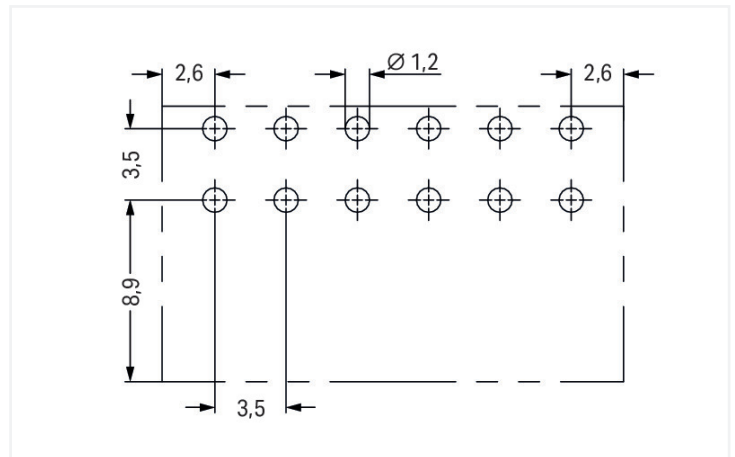
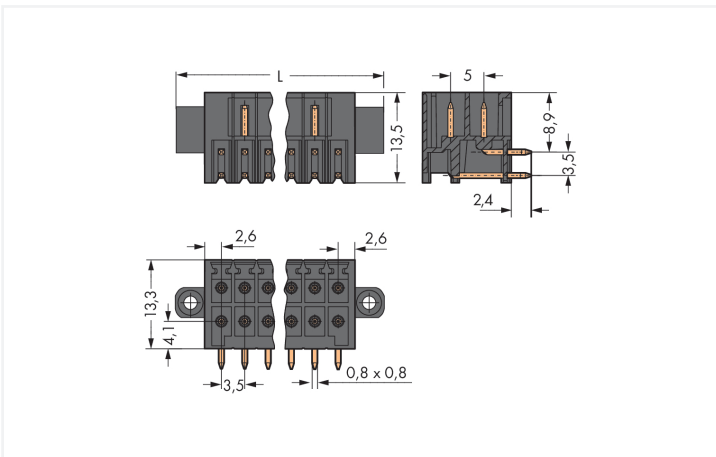
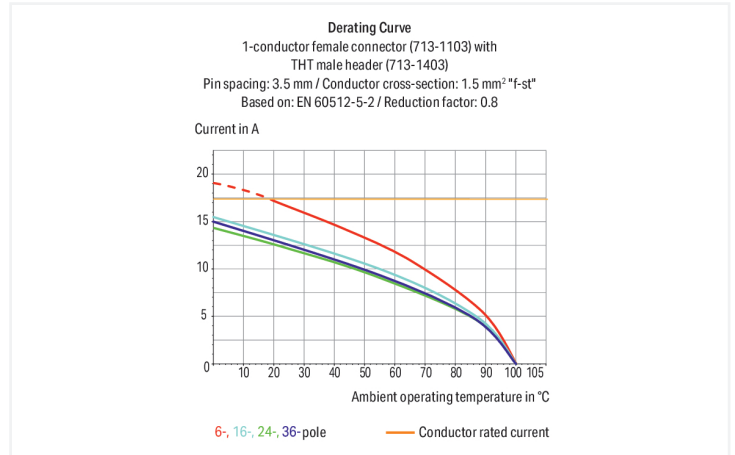
THR male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 14-pole; black

<https://www.wago.com/713-1427/117-000>



Color: ■ black

Similar to illustration



Dimensions in mm

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

Male connector, 713 Series, black

Our male connector (item number 713-1427/117-000) ensures effortless electrical installations. The dimensions are (34.6 x 15.7 x 13.5) mm (width x height x depth).

The contact surface is coated with tin. THR 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 | 14 | Connection 1 | |
| Number of connection types | 1 | Pole number | 14 |
| Number of levels | 2 | | |

Physical data

| | |
|------------------------------------|------------------------|
| Pin spacing | 3.5 mm / 0.138 inches |
| Width | 34.6 mm / 1.362 inches |
| Height | 15.7 mm / 0.618 inches |
| Height from the surface | 13.3 mm / 0.524 inches |
| Depth | 13.5 mm / 0.531 inches |
| Solder pin length | 2.4 mm |
| Solder pin dimensions | 0.8 x 0.8 mm |
| Plated through-hole diameter (THR) | 1.3 (+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 |
| Mismatching protection | Yes |
| Mating direction to the PCB | 0° |
| Locking of plug-in connection | Threaded flange |

PCB contact

| | |
|-------------------------------------|--|
| PCB contact | THR |
| 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 | 0.086 MJ |
| Weight | 4.9 g |
| MSL per J-STD 020D | 1 |

Environmental requirements

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

Commercial data

| | |
|-----------------------|------------------------|
| Product Group | 3 (Multi Conn. System) |
| PU (SPU) | 25 pcs |
| Packaging type | Box |
| Country of origin | PL |
| GTIN | 4050821156604 |
| 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) | b977b89b-9c20-4111-9ffd-bf21f1d21320 |
| SCIP notification number (Belgium) | d11f7a65-ec23-4ce0-8ef9-ff0ccec2335d |
| SCIP notification number (Bulgaria) | dfc9d2d7-0f8e-4e32-a065-3dd0eb6f7055 |
| SCIP notification number (Czech Republic) | a68ec0b2-e70a-4bcb-9349-0266a2432a98 |
| SCIP notification number (Denmark) | e6c28091-65e1-4e44-b3ab-79cff8442065 |
| SCIP notification number (Finland) | 3cfa48aa-bf58-4484-ae2f-b05eb23ae98a |
| SCIP notification number (France) | 6bef3ee5-1f6f-4672-b8af-808f2b7a9b30 |
| SCIP notification number (Germany) | f8aca1df-b581-4c2d-8fe6-da8594a00f81 |
| SCIP notification number (Hungary) | e575c4fd-fdea-4a08-88be-6614c3dc130a |
| SCIP notification number (Italy) | 5f5eaa87-bc71-46a4-92b1-d1562b76671f |
| SCIP notification number (Netherlands) | b0f1c830-df44-44c4-b25c-9e7693ae0533 |
| SCIP notification number (Poland) | 7816276b-a4cc-4bdf-8aac-b080a880189e |
| SCIP notification number (Romania) | dbdb24d0-6c48-4fa5-9ff6-2a8c3b4de25b |
| SCIP notification number (Sweden) | a7f6b4d1-823e-43ba-8d73-5fcb44292762 |

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 713-1427/117-000 | ↓ |

Documentation

| Additional Information | | | |
|------------------------|------------|-------------------|---|
| Technical Section | 03.04.2019 | pdf 2027.26 KB | ↓ |
| | | pdf 535.32 KB | ↓ |

CAD/CAE-Data

CAD data

2D/3D Models
713-1427/117-000



CAE data

ZUKEN Portal
713-1427/117-000



PCB Design

Symbol and Footprint
via SamacSys
713-1427/117-000



Symbol and Footprint
via Ultra Librarian
713-1427/117-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: [713-1107/107-000](#)

1-conductor female connector, 2-row; CA-GE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 14-pole; 100% protected against mismatching; Screw flange; black

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding

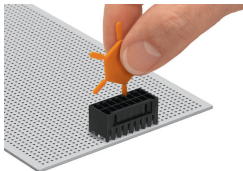


Item No.: [714-101](#)

Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.