

Data Sheet | Item Number: 713-1432/107-000

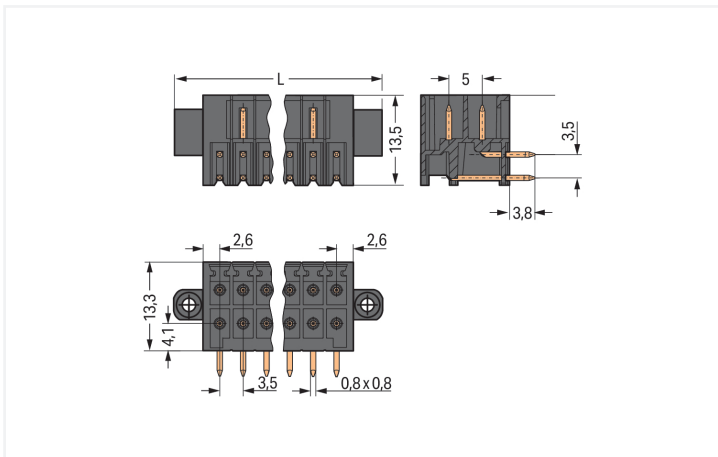
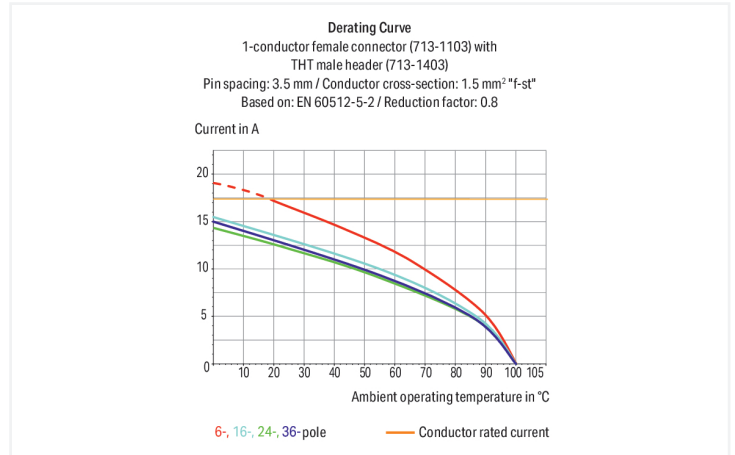
THT male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 24-pole; black

<https://www.wago.com/713-1432/107-000>



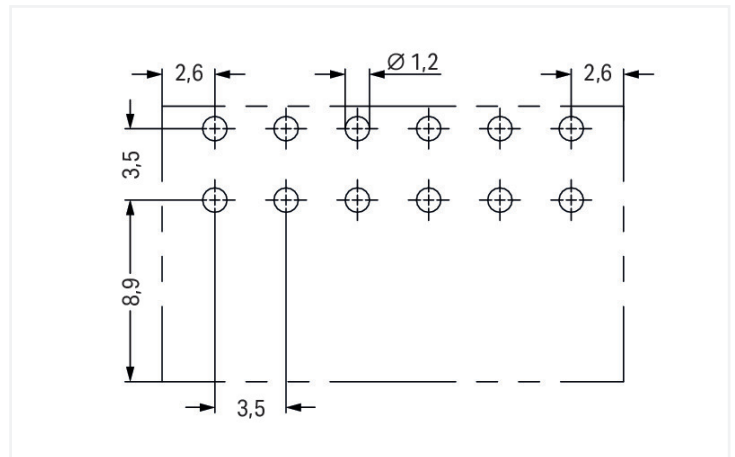
Color: ■ black

Similar to illustration



Dimensions in mm

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



Male connector, 713 Series, black

Our male connector (item number 713-1432/107-000) ensures effortless electrical installations. The item's dimensions are (52.1 x 17.1 x 13.5) mm (width x height x depth).

The contact surface is coated with tin. The pcb connector is designed for THT soldering.

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 | | |
|---------------------------------|----------------|--------|--------|
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | 80 V | 160 V | 250 V |
| Rated impulse withstand voltage | 2.5 kV | 2.5 kV | 2.5 kV |
| Rated current | 10 A | 10 A | 10 A |

| Approvals per | UL 1059 | | |
|---------------|---------|------|---|
| Use group | B | C | D |
| Rated voltage | 150 V | 50 V | - |
| Rated current | 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 | 24 |
| Number of connection types | 1 |
| Number of levels | 2 |

Connection 1

| | |
|-------------|----|
| Pole number | 24 |
|-------------|----|

Physical data

| | |
|--------------------------------------|--------------------------|
| Pin spacing | 3.5 mm / 0.138 inches |
| Width | 52.1 mm / 2.051 inches |
| Height | 17.1 mm / 0.673 inches |
| Height from the surface | 13.3 mm / 0.524 inches |
| Depth | 13.5 mm / 0.531 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 | 0° |
| 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 | 0.063 MJ |
| Weight | 7.3 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 | 4045454809195 |
| 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) | ee0d9bb4-dc41-491e-833f-96c3f5e06c99 |
| SCIP notification number (Belgium) | 85b88b97-554d-44e4-8805-17e0c72cd846 |
| SCIP notification number (Bulgaria) | 5060e1e5-73ed-4a7c-9718-4a3a1b96da84 |
| SCIP notification number (Czech Republic) | f86bcd8-8e1b-471a-83a8-ce7fd1c1432b |
| SCIP notification number (Denmark) | cd8faa93-f98f-4182-a953-054910849274 |
| SCIP notification number (Finland) | 52b51a78-f694-4f3f-a0ce-ebdad7cce51d |
| SCIP notification number (France) | c596156c-1f12-4bf3-bfb5-559cdd63279f |
| SCIP notification number (Germany) | f28f830e-c230-4391-b399-8ed9b55e7cd6 |
| SCIP notification number (Hungary) | 1236ee3a-f6e3-4f37-b10d-048b0056f58e |
| SCIP notification number (Italy) | 003f4b33-aa1e-4617-848d-98c3a8340936 |
| SCIP notification number (Netherlands) | 093039ac-4e43-4867-ae17-352b21fa552b |
| SCIP notification number (Poland) | 9683cd6d-48fa-4eb9-990d-a3a4befff8b5 |
| SCIP notification number (Romania) | d7780ca8-dde0-4e1b-8de6-90a0b1e3a0d8 |
| SCIP notification number (Sweden) | 51de9405-c74b-4057-9800-06c15df4a598 |

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 713-1432/107-000 |

Documentation


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

CAD/CAE-Data


CAD data


2D/3D Models
713-1432/107-000 

CAE data

ZUKEN Portal
713-1432/107-000 

PCB Design

Symbol and Footprint
via SamacSys
713-1432/107-000 

Symbol and Footprint
via Ultra Librarian
713-1432/107-000 

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 713-1112/107-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 24-pole; 100% protected against mismatching; Screw flange; black

Item No.: 713-1112/107-047
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 24-pole; 100% protected against mismatching; Screw flange; direct marking; black

Item No.: 713-1112/107-9037
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 24-pole; 100% protected against mismatching; Screw flange; direct marking; black

Item No.: 713-1112/107-047/034-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 24-pole; 100% protected against mismatching; Screw flange; Strain relief plate; direct marking; black



Item No.: 713-1112/107-9037/034-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 24-pole; 100% protected against mismatching; Screw flange; Strain relief plate; direct marking; black

1.2 Optional Accessories

1.2.1 Coding

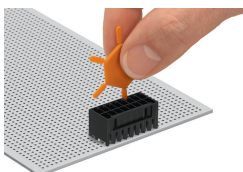
1.2.1.1 Coding



Item No.: 714-101
Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.

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

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