

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

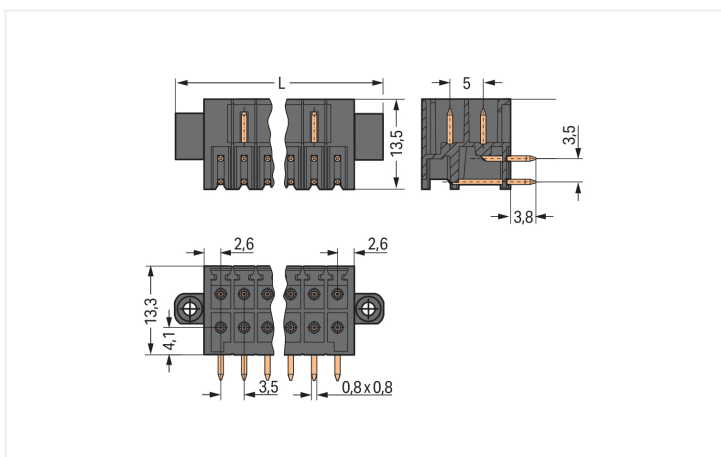
THT male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 24-pole; black

<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 |        |        | 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 | 24 | <b>Connection 1</b> |    |
| Number of connection types | 1  | Pole number         | 24 |
| Number of levels           | 2  |                     |    |

## 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 <sup>(+0.1)</sup> 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)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | black  |
| Material group                     | I  |
| Insulation material (main housing) | Polyphthalamide (PPA GF)   |
| Flammability class per UL94        | V0   |
| Contact material                   | Electrolytic copper (E <sub>Cu</sub> )                                   |
| Contact Plating                    | Tin  |
| Fire load                          | 0.134 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<br>DEKRA Certification B.V.        | IEC 61984 | NL-102427        |
| CSA<br>CSA Group                      | C22.2     | 2315087          |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 61984  | 71-133740        |

## Downloads

### Environmental Product Compliance

#### Compliance Search

|  |   |
|--|---|
| Environmental Product Compliance<br>713-1432/107-000 | ↓ |
|--|---|


## Documentation

### Additional Information


|                   |            |                   |   |
|-------------------|------------|-------------------|---|
| Technical Section | 03.04.2019 | pdf<br>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 mm<sup>2</sup>; 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 mm<sup>2</sup>; 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 mm<sup>2</sup>; 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 mm<sup>2</sup>; 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 mm<sup>2</sup>; 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**

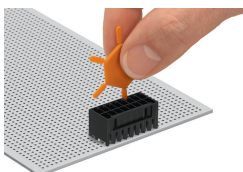
**1.2.1.1 Coding**



**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!

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Current addresses can be found at: [www.wago.com](http://www.wago.com)