

## Data Sheet | Item Number: 713-1433/107-000

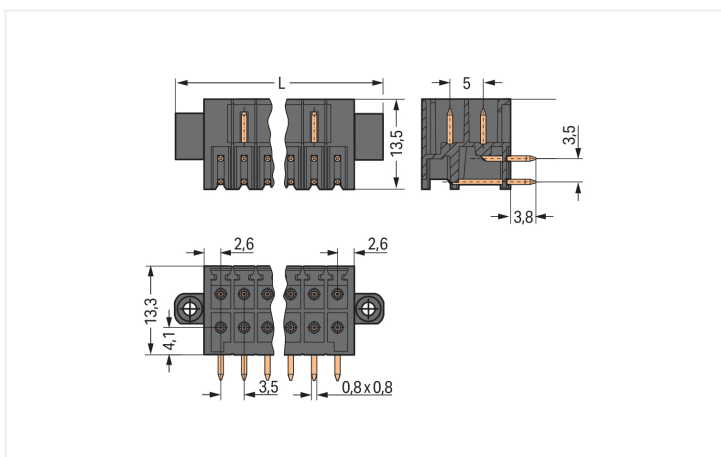
THT male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 26-pole; black

<https://www.wago.com/713-1433/107-000>



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 713-1433/107-000) simplifies electrical installations. Dimensions: (55.6 x 17.1 x 13.5) mm (width x height x depth).

The contact surface is coated with tin. THT is used to solder 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 |        |        |
|---------------------------------|----------------|--------|--------|
| 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 | 26 |
| Number of connection types | 1  |
| Number of levels           | 2  |

## Connection 1

|             |    |
|-------------|----|
| Pole number | 26 |
|-------------|----|

## Physical data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 3.5 mm / 0.138 inches    |
| Width                                | 55.6 mm / 2.189 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                          | 0.067 MJ   |
| Weight                             | 7.8 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                  | 4045454809201          |
| 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)        | 3078d032-d6dd-4ced-aed7-68ebe55d9d77 |
| SCIP notification number (Belgium)        | 959128d4-22ae-450f-966d-b8e6d53ee233 |
| SCIP notification number (Bulgaria)       | c48fb7c9-6ebe-4604-84b1-8c0e5775c6a6 |
| SCIP notification number (Czech Republic) | 337121eb-8066-4b97-9868-b23521f0b0eb |
| SCIP notification number (Denmark)        | 763f02a6-22fd-4f5a-9ebb-358447310465 |
| SCIP notification number (Finland)        | 380c1250-6f15-4dd5-a78b-4502d49fca19 |
| SCIP notification number (France)         | ab45c327-ee2d-4058-b786-6c5792c9ac78 |
| SCIP notification number (Germany)        | 1048e77d-5ad9-445f-899e-b0bc7c3ea2eb |
| SCIP notification number (Hungary)        | 187906f4-0ff5-46ba-ad97-1ce41df940ca |
| SCIP notification number (Italy)          | 382915a3-f2ad-4a65-ab18-cdf088e91a08 |
| SCIP notification number (Netherlands)    | 2baf7c2f-4392-4373-925f-cb3a261f590c |
| SCIP notification number (Poland)         | a481acfa-369a-4f22-a440-19ec71acb7d7 |
| SCIP notification number (Romania)        | e8b47adf-d7b-4805-90a7-e53bbe2f8ec9  |
| SCIP notification number (Sweden)         | c5902a69-e1b5-428d-b1d5-0945f9531912 |

## 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>713-1433/107-000 | <a href="#">↓</a> |
|--|-------------------|

## Documentation

### Additional Information

|                   |            |                   |                   |
|-------------------|------------|-------------------|-------------------|
| Technical Section | 03.04.2019 | pdf<br>2027.26 KB | <a href="#">↓</a> |
|-------------------|------------|-------------------|-------------------|

## CAD/CAE-Data

### CAD data

2D/3D Models  
713-1433/107-000



### CAE data

ZUKEN Portal  
713-1433/107-000



## PCB Design

Symbol and Footprint  
via SamacSys  
713-1433/107-000



Symbol and Footprint  
via Ultra Librarian  
713-1433/107-000



## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Female connector/socket



**Item No.: 713-1113/107-000**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 26-pole; 100% protected against mismatching; Screw flange; black



**Item No.: 713-1113/107-047**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 26-pole; 100% protected against mismatching; Screw flange; direct marking; black



**Item No.: 713-1113/107-9037**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 26-pole; 100% protected against mismatching; Screw flange; direct marking; black



**Item No.: 713-1113/107-047/034-000**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 26-pole; 100% protected against mismatching; Screw flange; Strain relief plate; direct marking; black



**Item No.: 713-1113/107-9037/034-000**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 26-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

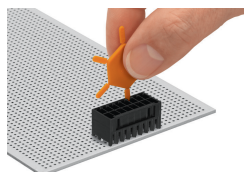


**Item No.: 714-101**

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)