

# Data Sheet | Item Number: 713-1418/107-000

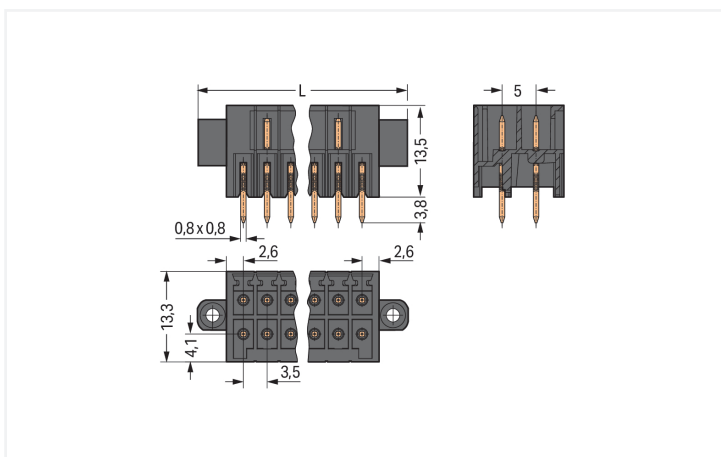
THT male header, 2-row; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 36-pole; black

<https://www.wago.com/713-1418/107-000>



Color: ■ black

Similar to illustration



Dimensions in mm

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



Male connector, 713 Series, solder pin dimensions 0.8 x 0.8 mm

Convenient electrical installations are guaranteed with this male connector (item number 713-1418/107-000). 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 | <b>Connection 1</b> |    |
| 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)               | <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                          | 0.09 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)              | 10 pcs                 |
| Packaging type        | Box                    |
| Country of origin     | PL                     |
| GTIN                  | 4045454809096          |
| 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)        | 29240e43-a1d8-4eca-8b59-c4591af1f44a |
| SCIP notification number (Belgium)        | 19cd7c8c-babc-4fae-8670-81f6dbf1d8cf |
| SCIP notification number (Bulgaria)       | 64ae01aa-4ce7-4f84-bdb6-1eb2dd049f93 |
| SCIP notification number (Czech Republic) | 40a12da6-926c-48e4-b883-0c07e51db0b8 |
| SCIP notification number (Denmark)        | f5d0cb14-7859-47e9-8edf-565806846f8f |
| SCIP notification number (Finland)        | 9ac34ff5-0574-4f6d-b200-79702c81bb5a |
| SCIP notification number (France)         | 92204cf0-3943-4333-8ec5-f970b8bf9ec9 |
| SCIP notification number (Germany)        | e9931213-f344-412b-aa60-7ca499cccaae |
| SCIP notification number (Hungary)        | 3c8db7ce-6028-407a-8a67-40a9dcc79442 |
| SCIP notification number (Italy)          | 311ae5cf-deab-422a-b4e4-691d45a71151 |
| SCIP notification number (Netherlands)    | bade2edf-f64f-4d63-8c86-d4f2ece2c09c |
| SCIP notification number (Poland)         | 2690c525-97cd-471e-b9f1-24840196c52f |
| SCIP notification number (Romania)        | 3871055f-8d27-461e-a700-6b53b559914c |
| SCIP notification number (Sweden)         | 7229578b-1bf6-48b5-b75b-b97b027a02cd |

## Downloads

### Environmental Product Compliance

| Compliance Search                                    |                   |
|--|-------------------|
| Environmental Product Compliance<br>713-1418/107-000 | <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<br>713-1418/107-000 | <a href="#">↓</a> |

| CAE data                         |                   |
|----------------------------------|-------------------|
| ZUKEN Portal<br>713-1418/107-000 | <a href="#">↓</a> |

## PCB Design

|   |                   |
|---|-------------------|
| Symbol and Footprint<br>via SamacSys<br>713-1418/107-000        | <a href="#">↓</a> |
| Symbol and Footprint<br>via Ultra Librarian<br>713-1418/107-000 | <a href="#">↓</a> |

## 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; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 36-pole; 100% protected against mismatching; Screw flange; black



**Item No.: 713-1118/107-047**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 36-pole; 100% protected against mismatching; Screw flange; direct marking; black



**Item No.: 713-1118/107-9037**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 36-pole; 100% protected against mismatching; Screw flange; direct marking; black



**Item No.: 713-1118/107-047/035-000**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 36-pole; 100% protected against mismatching; Screw flange; Strain relief plate; direct marking; black



**Item No.: 713-1118/107-9037/035-000**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 36-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

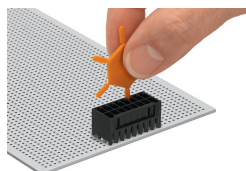


**Item No.: 714-101**

Coding key; orange

## Installation Notes

### Coding



Coding a male header by inserting a coding pin.