

# Data Sheet | Item Number: 713-1404/107-000

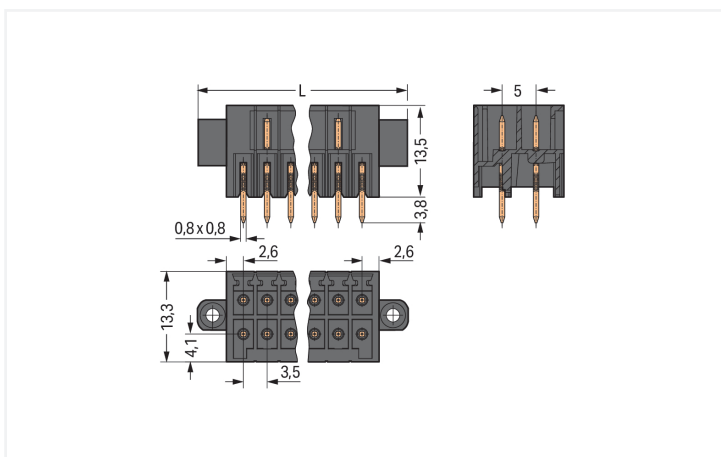
THT male header, 2-row; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 8-pole; black

<https://www.wago.com/713-1404/107-000>



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 713-1404/107-000) simplifies electrical installations. The item's dimensions are (24.1 x 17.3 x 13.3) 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	8
Number of connection types	1
Number of levels	2

## Connection 1

Pole number	8
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## Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	24.1 mm / 0.949 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 <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	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	0.026 MJ
Weight	2.9 g

### Environmental requirements

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

### Commercial data

Product Group	3 (Multi Conn. System)
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454808938
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)	213dece3-4162-4c4e-99e2-e7a460f1678f
SCIP notification number (Belgium)	ab03daa9-8eef-4ac3-b86f-9340935e45f8
SCIP notification number (Bulgaria)	dc6fc70c-ee07-4eae-89b9-b6bec164d731
SCIP notification number (Czech Republic)	438778c2-c872-4682-a85d-13526e16e910
SCIP notification number (Denmark)	0c46d774-a6af-4db6-a54a-75d3353439a9
SCIP notification number (Finland)	1ec824f1-077d-4b3f-9352-cf9e0199aaed
SCIP notification number (France)	260b7244-7385-4950-81fc-2bd681a7dda8
SCIP notification number (Germany)	698d5824-380f-497a-9622-1d4c9fe2e9bf
SCIP notification number (Hungary)	e6cb1f6f-2af8-475a-88fc-cc194df4b305
SCIP notification number (Italy)	05dfafac-1e1d-4eef-ae91-efbc4f0b2396
SCIP notification number (Netherlands)	7b39755a-8fbb-41b3-9017-25652a42804a
SCIP notification number (Poland)	353ef42d-1202-4a85-848d-4e84911e302e
SCIP notification number (Romania)	d8f3a826-97a7-4034-8963-feec5d137500
SCIP notification number (Sweden)	53dc71a2-5b3b-4885-b6d8-8e150ebae401

**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 713-1404/107-000

**Documentation**

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

## CAD/CAE-Data

### CAD data

2D/3D Models  
713-1404/107-000



### CAE data

ZUKEN Portal  
713-1404/107-000



### PCB Design

Symbol and Footprint  
via SamacSys  
713-1404/107-000



Symbol and Footprint  
via Ultra Librarian  
713-1404/107-000



## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Female connector/socket



**Item No.: 713-1104/107-000**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 8-pole; 100% protected against mismatching; Screw flange; black



**Item No.: 713-1104/107-047**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 8-pole; 100% protected against mismatching; Screw flange; direct marking; black



**Item No.: 713-1104/107-9037**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 8-pole; 100% protected against mismatching; Screw flange; direct marking; black



**Item No.: 713-1104/107-047/032-000**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 8-pole; 100% protected against mismatching; Screw flange; Strain relief plate; direct marking; black



**Item No.: 713-1104/107-9037/032-000**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 8-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

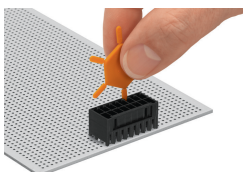


**Item No.: 714-101**

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)