

## Data Sheet | Item Number: 713-1427/107-000

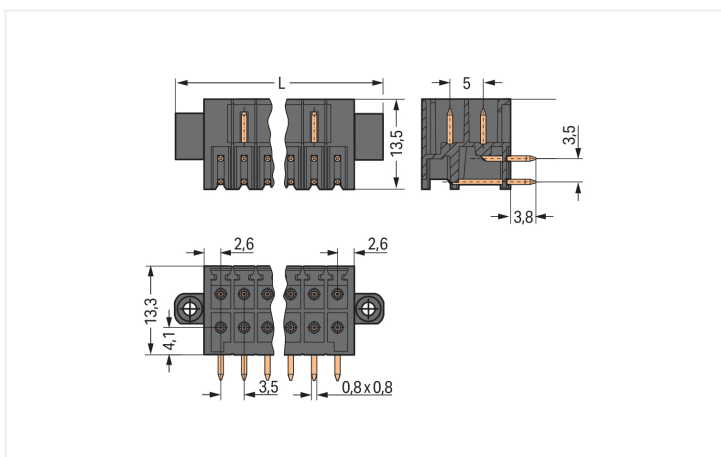
THT male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 14-pole; black

<https://www.wago.com/713-1427/107-000>



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

Easy electrical installations are guaranteed with this male connector (item number 713-1427/107-000). The dimensions are (34.6 x 17.1 x 13.5) mm (width x height x depth).

Tin is used for coating the contact surfaces. 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			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	14	<b>Connection 1</b>	
Number of connection types	1	Pole number	14
Number of levels	2		

## Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	34.6 mm / 1.362 inches
Height	15.7 mm / 0.618 inches
Height from the surface	13.3 mm / 0.524 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	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	0.086 MJ
Weight	4.6 g

### Environmental requirements

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

### Commercial data

Product Group	3 (Multi Conn. System)
PU (SPU)	25 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454809140
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)	b4d693f7-c2af-417f-a3ee-a924a5726eb1
SCIP notification number (Belgium)	e4ef5969-da8b-44be-a4fb-0cff5dfa179f
SCIP notification number (Bulgaria)	8bb9fa3c-faf0-4dc2-9cbc-ce7c61a9d59c
SCIP notification number (Czech Republic)	0efb00f9-4586-40b1-a97d-2bfb591491e2
SCIP notification number (Denmark)	c52bff2e-8a92-4d86-9880-3617d52897c4
SCIP notification number (Finland)	fd791f65-0b9b-4fa6-98cb-b2f31b8cda92
SCIP notification number (France)	70d1831c-7f27-4fe0-8b47-141c6a2bc865
SCIP notification number (Germany)	0c8c511b-170f-4166-b5ae-abe6c5b5df09
SCIP notification number (Hungary)	b82cc54d-b1f6-4f7e-a7e0-b6a637e5faae
SCIP notification number (Italy)	576f7176-2538-4e6c-8319-1a031fb1effe
SCIP notification number (Netherlands)	798aa06e-99ec-4479-ac2f-ccd6b6caefa6
SCIP notification number (Poland)	da7c1840-105d-4300-bc53-3c6eda13cbc9
SCIP notification number (Romania)	81221898-9a1c-469f-ac76-a59a44cf4a6f
SCIP notification number (Sweden)	a2c8b3fe-bd9d-4be8-a279-2609e3e94d17

**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 713-1427/107-000

**Documentation**

Additional Information
Technical Section 03.04.2019 pdf 2027.26 KB

## CAD/CAE-Data

### CAD data

2D/3D Models  
713-1427/107-000



### CAE data

ZUKEN Portal  
713-1427/107-000



## PCB Design

Symbol and Footprint  
via SamacSys  
713-1427/107-000



Symbol and Footprint  
via Ultra Librarian  
713-1427/107-000



## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Female connector/socket



**Item No.: 713-1107/107-000**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 14-pole; 100% protected against mismatching; Screw flange; black



**Item No.: 713-1107/107-047**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 14-pole; 100% protected against mismatching; Screw flange; direct marking; black



**Item No.: 713-1107/107-9037**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 14-pole; 100% protected against mismatching; Screw flange; direct marking; black



**Item No.: 713-1107/107-047/033-000**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 14-pole; 100% protected against mismatching; Screw flange; Strain relief plate; direct marking; black



**Item No.: 713-1107/107-9037/033-000**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 14-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

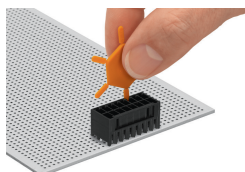


**Item No.: 714-101**

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)