

# Data Sheet | Item Number: 713-1417/107-000

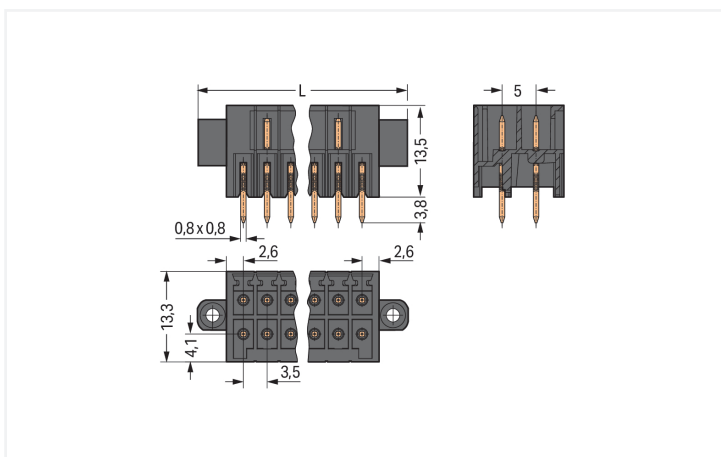
THT male header, 2-row; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 34-pole; black

<https://www.wago.com/713-1417/107-000>



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

Our male connector (item number 713-1417/107-000) is designed for seamless electrical installations. The item's dimensions are (69.6 x 17.3 x 13.3) 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	34	<b>Connection 1</b>	
Number of connection types	1	Pole number	34
Number of levels	2		

## Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	69.6 mm / 2.74 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	0.183 MJ
Weight	9.2 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	4045454809089
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)	d4b28e36-f81d-48d4-824e-bd3a0d25dfbe
SCIP notification number (Belgium)	b548330c-05cf-4b39-82a5-3892cbac5701
SCIP notification number (Bulgaria)	25a57a0a-b785-4ae5-8b66-120e1c787fac
SCIP notification number (Czech Republic)	96d69c25-942e-4d01-91e2-f66664c7f736
SCIP notification number (Denmark)	9e1c330f-dd69-48bc-856a-154618faa30c
SCIP notification number (Finland)	f5d746b0-ff2c-4121-9b51-3e892839816b
SCIP notification number (France)	1f89378b-8e70-44ac-806d-b88e8002c7ac
SCIP notification number (Germany)	a0176a57-a69d-4826-88f5-2275ce60aa6c
SCIP notification number (Hungary)	5662b46e-b7e4-4849-a022-42d0bcf374c1
SCIP notification number (Italy)	8e8606b9-3e7e-4115-960d-876ba01f1b51
SCIP notification number (Netherlands)	d4d1e120-f77b-4766-b55b-5030bda3caa4
SCIP notification number (Poland)	c6fa5fe8-faa3-48fd-baac-f2ca2dfae8d4
SCIP notification number (Romania)	9dc5b004-f948-4443-bc01-3f41ad815abd
SCIP notification number (Sweden)	956abec3-a1ec-4179-ba39-83728d0b55fb

## 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	71-126089

## Downloads

### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 713-1417/107-000	↓
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## Documentation

### Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	↓
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## CAD/CAE-Data

### CAD data

2D/3D Models  
713-1417/107-000



### CAE data

ZUKEN Portal  
713-1417/107-000



## PCB Design

Symbol and Footprint  
via SamacSys  
713-1417/107-000



Symbol and Footprint  
via Ultra Librarian  
713-1417/107-000



## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Female connector/socket



**Item No.: 713-1117/107-000**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 34-pole; 100% protected against mismatching; Screw flange; black



**Item No.: 713-1117/107-047**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 34-pole; 100% protected against mismatching; Screw flange; direct marking; black



**Item No.: 713-1117/107-9037**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 34-pole; 100% protected against mismatching; Screw flange; direct marking; black



**Item No.: 713-1117/107-047/035-000**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 34-pole; 100% protected against mismatching; Screw flange; Strain relief plate; direct marking; black



**Item No.: 713-1117/107-9037/035-000**

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 34-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

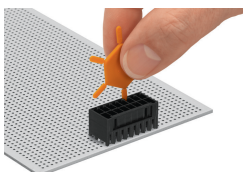


**Item No.: 714-101**

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)