

## Data Sheet | Item Number: 713-1469/107-000

THT male header, 2-row; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; with orientation nose; Threaded flange; Pin spacing 3.5 mm; 18-pole; black

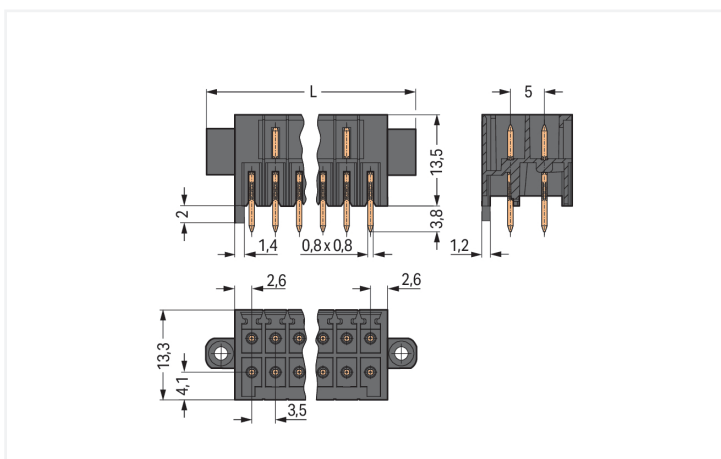
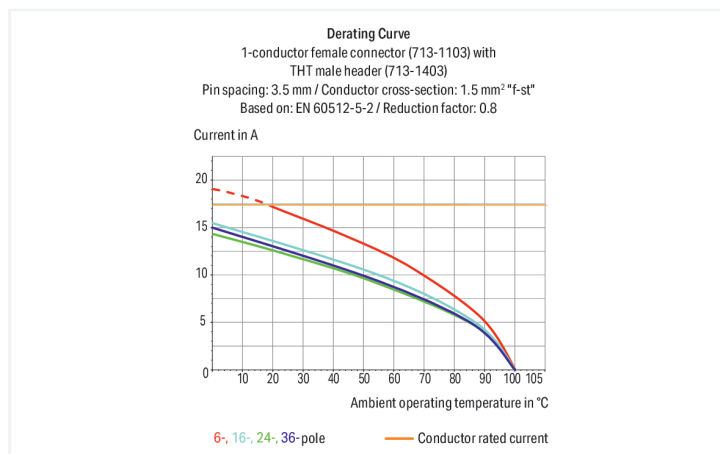


<https://www.wago.com/713-1469/107-000>



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

Our male connector (item number 713-1469/107-000) ensures effortless electrical installations. The dimensions are (41.6 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	18	<b>Connection 1</b>	
Number of connection types	1	Pole number	18
Number of levels	2		

## Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	41.6 mm / 1.638 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	0.105 MJ
Weight	5.3 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	4045454809478
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)	9fdf9744-a55c-4820-b0f3-992b70b50e1a
SCIP notification number (Belgium)	67c570ba-8de1-463a-a7f1-103b5933c568
SCIP notification number (Bulgaria)	2c0bb9da-f68c-4ed3-85e1-b85da51371b0
SCIP notification number (Czech Republic)	0d6c0fcb-ff75-46d6-adb0-5589c9f5f70a
SCIP notification number (Denmark)	71825895-d2a5-4f40-9272-5aa669ac6788
SCIP notification number (Finland)	e7f1bbd1-ee87-449d-8b61-42f1861a5564
SCIP notification number (France)	4be21a97-e943-49bb-84ba-4badf327b783
SCIP notification number (Germany)	1b02a07e-62fe-4c3f-94cc-d1fb8df8a6fb
SCIP notification number (Hungary)	74f28090-e747-405d-baf5-d033fb95c9a6
SCIP notification number (Italy)	9413c8db-8b35-452a-a0ce-d1cc1142e619
SCIP notification number (Netherlands)	e13d7aca-77ec-4555-8bee-d3fe48730b0d
SCIP notification number (Poland)	9169775a-965b-47e3-bfa1-3dd6d7aa2a34
SCIP notification number (Romania)	ea517126-f6ab-41c7-a07d-9a506582b1b1
SCIP notification number (Sweden)	0f424389-9a37-4ac2-9a88-91705457c015

## 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 713-1469/107-000	↓
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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  
713-1469/107-000



### CAE data

ZUKEN Portal  
713-1469/107-000



## PCB Design

Symbol and Footprint  
via SamacSys  
713-1469/107-000



Symbol and Footprint  
via Ultra Librarian  
713-1469/107-000



## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Female connector/socket



##### Item No.: [713-1109/107-000](#)

1-conductor female connector, 2-row; CA-GE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; Screw flange; black

## 1.2 Optional Accessories

### 1.2.1 Coding

#### 1.2.1.1 Coding

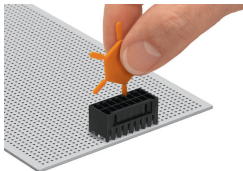


##### Item No.: [714-101](#)

Coding key; orange

## Installation Notes

### Coding



Coding a male header by inserting a coding pin.