

## Data Sheet | Item Number: 713-1464/107-000

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; 8-pole; black

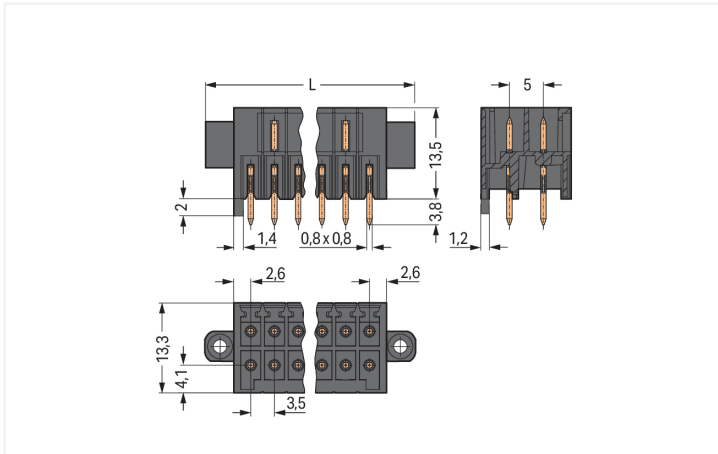
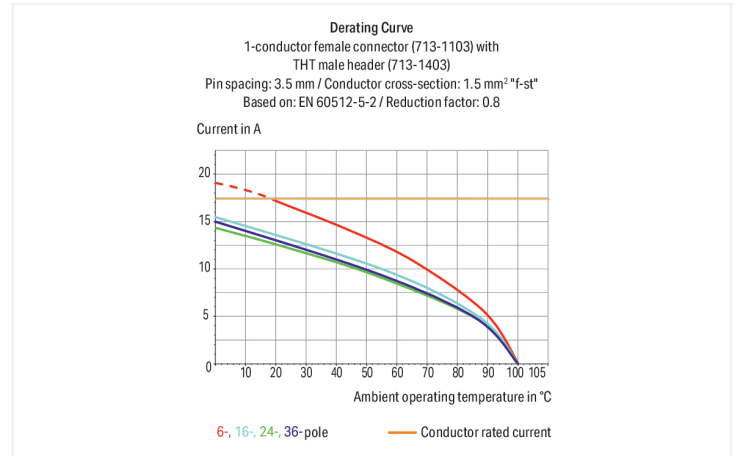


<https://www.wago.com/713-1464/107-000>



Color: ■ black

Similar to illustration



Dimensions in mm

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

Male connector, 713 Series, black

Easy electrical installations are guaranteed with this male connector (item number 713-1464/107-000). The dimensions are (24.1 x 17.3 x 13.3) mm (width x height x depth).

Tin is used for coating the contact surfaces. 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	8	<b>Connection 1</b>	
Number of connection types	1	Pole number	8
Number of levels	2		

## 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	0.057 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)	100 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454809416
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)	56a80078-9340-4e64-9c31-545772c40834
SCIP notification number (Belgium)	15dc1872-7d52-48da-bc74-a3d63cc2a44c
SCIP notification number (Bulgaria)	b6563a75-45db-41a2-8de7-2e0190d257fc
SCIP notification number (Czech Republic)	2b4a8dc0-a3d9-4106-9b0b-c44e65e9eac6
SCIP notification number (Denmark)	87a755fb-d6d2-48a9-a1b6-97ec9ff3c0b3
SCIP notification number (Finland)	2b0c63c1-f617-4a4d-80a6-e55ce780bf7a
SCIP notification number (France)	ad7aea17-8e50-45fd-81e9-62877c2eb5fb
SCIP notification number (Germany)	45154dee-92cf-4c08-a7bd-aa94d2337c38
SCIP notification number (Hungary)	1a1eb42f-473b-43cb-85ec-bbad1888430f
SCIP notification number (Italy)	6e865063-69cc-4a52-8c95-5ab942097f00
SCIP notification number (Netherlands)	ef4f48a7-5e5e-490a-be57-b240961a2a03
SCIP notification number (Poland)	46a3c518-528b-411b-a06d-baea78e007db
SCIP notification number (Romania)	1c4cf4e2-730f-4e1f-ac9a-16166b8e5520
SCIP notification number (Sweden)	cc357ca7-2203-464c-ba6b-ff4e3d827e6c

**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 713-1464/107-000

**Documentation**

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

## CAD/CAE-Data

### CAD data

2D/3D Models  
713-1464/107-000



### CAE data

ZUKEN Portal  
713-1464/107-000



## PCB Design

Symbol and Footprint  
via SamacSys  
713-1464/107-000



Symbol and Footprint  
via Ultra Librarian  
713-1464/107-000



## 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; CA-GE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 8-pole; 100% protected against mismatching; Screw flange; black

## 1.2 Optional Accessories

### 1.2.1 Coding

#### 1.2.1.1 Coding

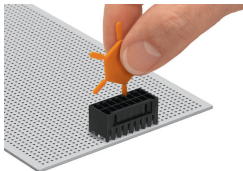


##### Item No.: [714-101](#)

Coding key; orange

## Installation Notes

### Coding



Coding a male header by inserting a coding pin.