

## Data Sheet | Item Number: 713-1436/107-000

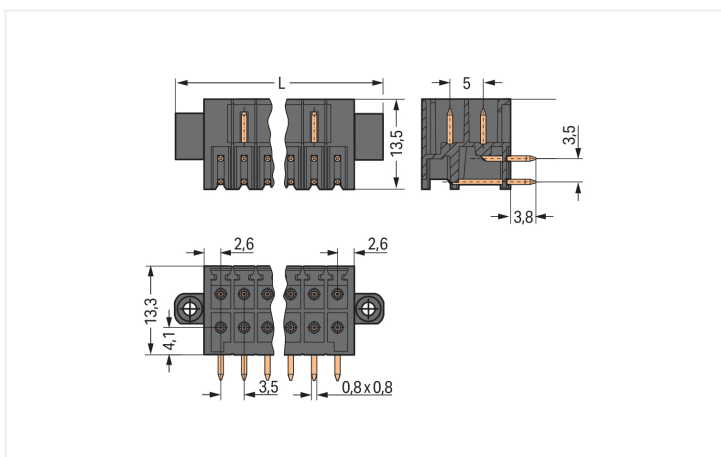
THT male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 32-pole; black

<https://www.wago.com/713-1436/107-000>



Color: ■ black

Similar to illustration



Dimensions in mm

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



Male connector, 713 Series, black

Convenient electrical installations are guaranteed with this male connector (item number 713-1436/107-000). The item's dimensions are (66.1 x 17.1 x 13.5) 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	32	<b>Connection 1</b>	
Number of connection types	1	Pole number	32
Number of levels	2		

## Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	66.1 mm / 2.602 inches
Height	17.1 mm / 0.673 inches
Height from the surface	13.3 mm / 0.524 inches
Depth	13.5 mm / 0.531 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	0.173 MJ
Weight	9.4 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	4045454809232
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)	b4b4fe82-736a-4d18-bff4-d24076d7b46b
SCIP notification number (Belgium)	174145fd-c998-45af-8dae-39621fc5fbfa
SCIP notification number (Bulgaria)	56fe3d38-c44a-4212-a763-6b1a807408a8
SCIP notification number (Czech Republic)	45840816-0af7-4287-b7e3-e64cf2ac5236
SCIP notification number (Denmark)	bb9c2d33-983d-4ed1-ae57-e79d53884a53
SCIP notification number (Finland)	cffa6867-481e-4923-943a-1b844c9ba5c1
SCIP notification number (France)	1c5f4b27-d9a9-477f-8667-86b8ca371198
SCIP notification number (Germany)	bd37142b-5a1b-407e-8256-380eb4b02f7f
SCIP notification number (Hungary)	f259f8d4-08d0-4fff-9b39-7b50133d22d1
SCIP notification number (Italy)	1e57fc2e-fdb5-40db-a030-f6be270555a5
SCIP notification number (Netherlands)	55fffe19-0ffc-4bd5-a99e-21ffefbe109c
SCIP notification number (Poland)	5d0f4be5-b05a-4a8f-a6c2-7c1607992f20
SCIP notification number (Romania)	c3c54629-b1ba-4c09-9c31-545c4dd1602a
SCIP notification number (Sweden)	455be494-764f-4741-85ff-e3d77b34de97

**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 713-1436/107-000	<a href="#">↓</a>

**Documentation**

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	<a href="#">↓</a>

## CAD/CAE-Data

### CAD data

2D/3D Models  
713-1436/107-000



### CAE data

ZUKEN Portal  
713-1436/107-000



## PCB Design

Symbol and Footprint  
via SamacSys  
713-1436/107-000



Symbol and Footprint  
via Ultra Librarian  
713-1436/107-000



## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Female connector/socket



##### Item No.: 713-1116/107-000

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 32-pole; 100% protected against mismatching; Screw flange; black



##### Item No.: 713-1116/107-047

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 32-pole; 100% protected against mismatching; Screw flange; direct marking; black



##### Item No.: 713-1116/107-9037

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 32-pole; 100% protected against mismatching; Screw flange; direct marking; black



##### Item No.: 713-1116/107-047/035-000

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 32-pole; 100% protected against mismatching; Screw flange; Strain relief plate; direct marking; black



##### Item No.: 713-1116/107-9037/035-000

1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 32-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

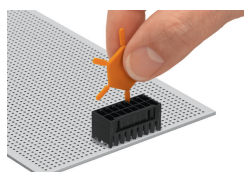


##### Item No.: 714-101

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)