

Data Sheet | Item Number: 713-1407/117-000

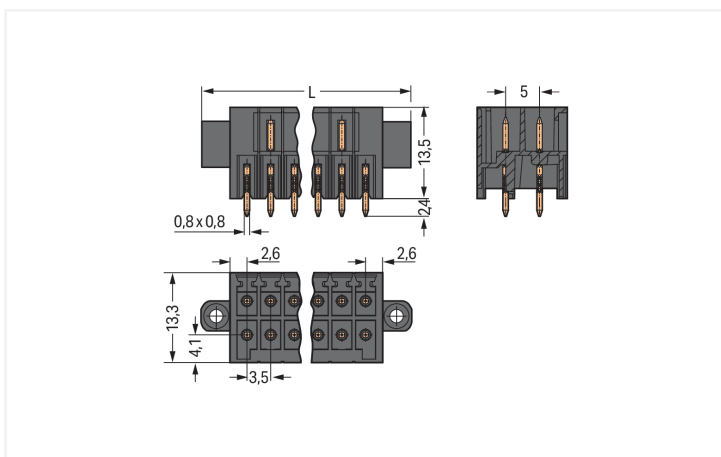
THR male header, 2-row; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 14-pole; black

<https://www.wago.com/713-1407/117-000>



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 713-1407/117-000) simplifies electrical installations. Dimensions: (34.6 x 15.9 x 13.3) mm (width x height x depth).

The contact surface is coated with tin. The pcb connector is designed for THR 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	14	Connection 1	
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	15.9 mm / 0.626 inches
Height from the surface	13.5 mm / 0.531 inches
Depth	13.3 mm / 0.524 inches
Solder pin length	2.4 mm
Solder pin dimensions	0.8 x 0.8 mm
Plated through-hole diameter (THR)	1.3 (+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	THR
Solder pin arrangement	over the entire male connector (in-line)
Number of solder pins per potential	1

Material data

Note (material data)	Information on material specifications can be found here
Color	black
Material group	I
Insulation material (main housing)	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{Cu})
Contact Plating	Tin
Fire load	0.086 MJ
Weight	4.3 g
MSL per J-STD 020D	1

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	4050821156444
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)	e47293b5-2e65-4a29-980e-9715e6e23713
SCIP notification number (Belgium)	2af4a5f0-2c60-487f-888e-e3b771a242f5
SCIP notification number (Bulgaria)	24eed5b8-10fa-41fe-8f40-ec92756b2d27
SCIP notification number (Czech Republic)	b601f885-8af0-408a-92ba-544b85bc51dd
SCIP notification number (Denmark)	58462426-2e58-4e73-a678-f25417b072a4
SCIP notification number (Finland)	52d19bfd-4f38-414c-ac67-d820978073bb
SCIP notification number (France)	cda8984d-dd16-4efa-b7a3-4380534ea147
SCIP notification number (Germany)	dc48e534-ba86-42c5-b5f8-6b419f2bba84
SCIP notification number (Hungary)	cc259015-c138-490f-a040-31a0ce9c5f0c
SCIP notification number (Italy)	d5d11ab4-78dc-46be-a127-63d342112097
SCIP notification number (Netherlands)	99c672c7-5a4a-45b1-a0ab-6fc7e105e0e5
SCIP notification number (Poland)	24eb1038-156d-4546-a736-1bcfdf524141
SCIP notification number (Romania)	c5e741c9-15eb-4a20-85db-e5a2be3a2ed8
SCIP notification number (Sweden)	7fd5d86b-f347-4301-b2ef-94063ffc69c6

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 713-1407/117-000	↓
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Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	↓
		pdf 535.32 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models
713-1407/117-000



CAE data

ZUKEN Portal
713-1407/117-000



PCB Design

Symbol and Footprint
via SamacSys
713-1407/117-000



Symbol and Footprint
via Ultra Librarian
713-1407/117-000



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; CA-GE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 14-pole; 100% protected against mismatching; Screw flange; black

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding

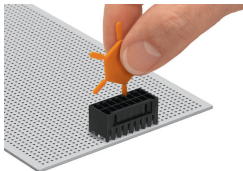


Item No.: [714-101](#)

Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.