

Data Sheet | Item Number: 713-1403/117-000

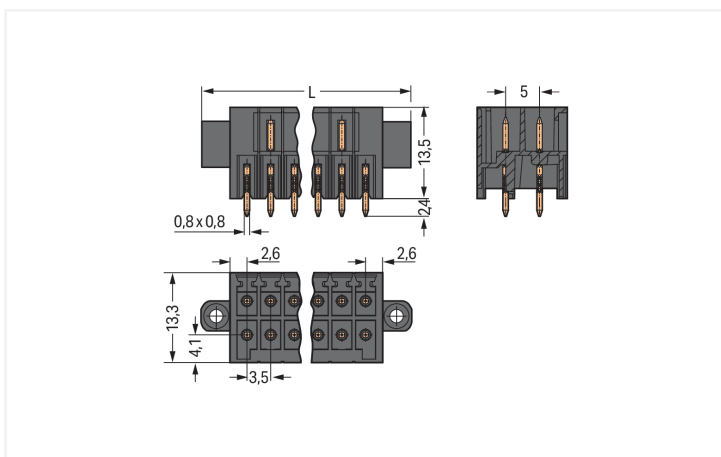
THR male header, 2-row; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 6-pole; black

<https://www.wago.com/713-1403/117-000>



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 713-1403/117-000) ensures effortless electrical installations. Dimensions: (20.6 x 15.9 x 13.3) mm (width x height x depth).

Tin is used for coating the contact surfaces. THR is used to solder 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	6	Connection 1	
Number of connection types	1	Pole number	6
Number of levels	2		

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	20.6 mm / 0.811 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	0.047 MJ
Weight	2.4 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)	50 pcs
Packaging type	Box
Country of origin	PL
GTIN	4050821156406
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)	ae8b806c-5362-4f81-ae71-2af9846ea0ad
SCIP notification number (Belgium)	915996e3-7e05-434c-a922-dbc1d48f746a
SCIP notification number (Bulgaria)	33e054c2-17e3-4890-99db-fc841d6eeec2
SCIP notification number (Czech Republic)	40f11856-5157-406a-a4b8-475c507f93d0
SCIP notification number (Denmark)	966da3e6-dcef-47f0-8108-8b16952102f1
SCIP notification number (Finland)	632fcb69-94c4-45ae-9be0-178be93fd71c
SCIP notification number (France)	9330f640-c7d9-416e-bf80-34483829e4e1
SCIP notification number (Germany)	d6456382-f6fa-4c7c-9174-ff21d16cc3d8
SCIP notification number (Hungary)	66e08dbd-e0ba-43d2-8e29-684ee93caae3
SCIP notification number (Italy)	635a5aa4-7bdd-42cf-9045-0f46380fc52c
SCIP notification number (Netherlands)	fea79780-a97a-4808-a9cf-f616a2ae4bc0
SCIP notification number (Poland)	c265e140-87bd-4805-bcab-04ee89ec6748
SCIP notification number (Romania)	334dad90-a675-405a-a05d-dc87a8a25ab8
SCIP notification number (Sweden)	09a46045-9f23-4910-a0ef-db852ae1e7f2

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 713-1403/117-000	↓

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	↓
		pdf 535.32 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models
713-1403/117-000



CAE data

ZUKEN Portal
713-1403/117-000



PCB Design

Symbol and Footprint
via SamacSys
713-1403/117-000



Symbol and Footprint
via Ultra Librarian
713-1403/117-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: [713-1103/107-000](#)

1-conductor female connector, 2-row; CA-GE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; Screw flange; black

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding

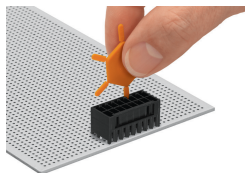


Item No.: [714-101](#)

Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.