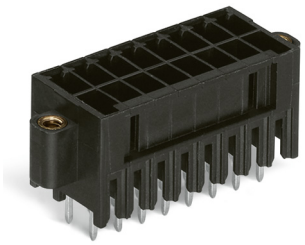
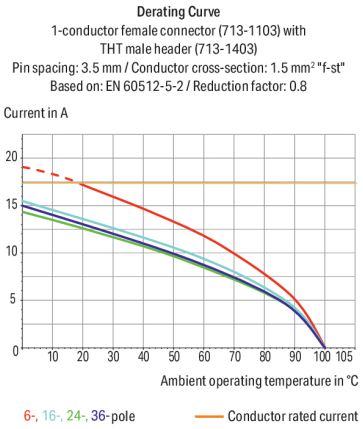
Data Sheet | Item Number: 713-1410/117-000

THR male header, 2-row; 0.8 x 0.8 mm solder pin; straight; 100% protected against mis-mating; Threaded flange; Pin spacing 3.5 mm; 20-pole; black

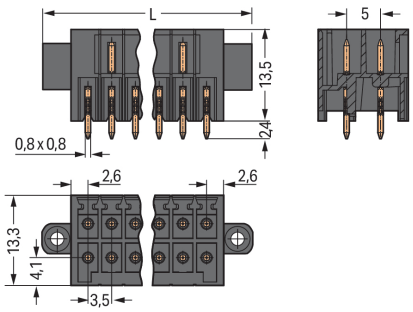
https://www.wago.com/713-1410/117-000

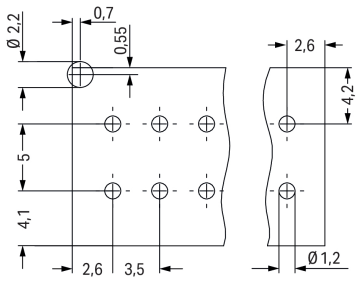




Color: ■ black

Similar to illustration





Dimensions in mm
L = [(pole no./2) – 1] x pin spacing + 13.6 mm

Male connector, 713 Series, solder pin dimensions 0.8 x 0.8 mm

Our male connector (item number 713-1410/117-000) ensures effortless electrical installations. Dimensions: (45.1 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		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	80 V	160 V	250 V
Rated impulse withstand voltage	2.5 kV	2.5 kV	2.5 kV
Rated current	10 A	10 A	10 A

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	150 V	50 V	-
Rated current	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	20
Number of connection types	1
Number of levels	2

Connection 1

Pole number	20

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	45.1 mm / 1.776 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

Continued on next page

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	0.054 MJ
Weight	5.7 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)	20 pcs
Packaging type	Box
Country of origin	PL
GTIN	4050821156475
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

Continued on next page

Environmental Product Compliance

RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c)
SCIP notification number (Austria)	ff03f8e7-bbd3-4b7e-a7f9-4e0a4478ebba
SCIP notification number (Belgium)	a7344f27-a707-4bd7-a3d9-bb243ba91337
SCIP notification number (Bulgaria)	13ac56a7-c5bc-4c32-adca-0d8afa7af63e
SCIP notification number (Czech Republic)	53939b93-8874-493b-a8b1-0439feb69b9a
SCIP notification number (Denmark)	4afd1150-c673-4ecd-9d27-50d4a8c832f3
SCIP notification number (Finland)	5337117c-ba1a-4ba9-a1e6-afe8c8dad0bf
SCIP notification number (France)	75fe5369-4c9f-4ef5-ae93-a6872749e92e
SCIP notification number (Germany)	7350b7f5-75b9-41fc-b7bf-3d8352ef7490
SCIP notification number (Hungary)	cda4b1d3-d7e1-426c-960c-00c4c7d42b0d
SCIP notification number (Italy)	894cb85e-4782-43fd-8698-8a6741894042
SCIP notification number (Netherlands)	9de1aae0-416e-41b3-a4eb-88363b395652
SCIP notification number (Poland)	b89d6d18-fafa-43e5-814c-f7d1a2b0ea85
SCIP notification number (Romania)	f341322f-405a-47bd-bc5f-edfc5862be85
SCIP notification number (Sweden)	6188d11c-2a1f-4b9f-aba0-6e5697b6600e

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	71-126089

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 713-1410/117-000

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	
		pdf 535.32 KB	

Continued on next page

CAD/CAE-Data

CAD data

2D/3D Models
713-1410/117-000

CAE data

ZUKEN Portal
713-1410/117-000

PCB Design

Symbol and Footprint via
SamacSys
713-1410/117-000

Symbol and Footprint via
Ultra Librarian
713-1410/117-000

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 713-1110/107-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 20-pole; 100% protected against mismating; Screw flange; black

1.2 Optional Accessories

1.2.1 Coding

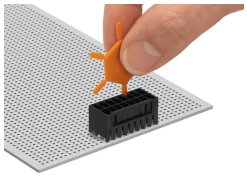
1.2.1.1 Coding



Item No.: 714-101
Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.