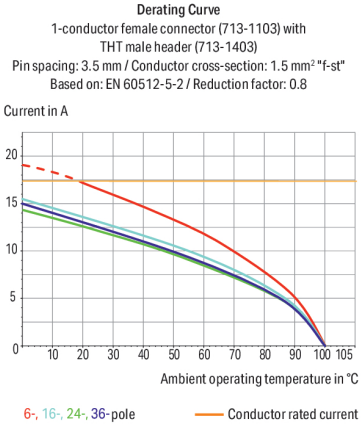
Data Sheet | Item Number: 713-1430/117-000

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

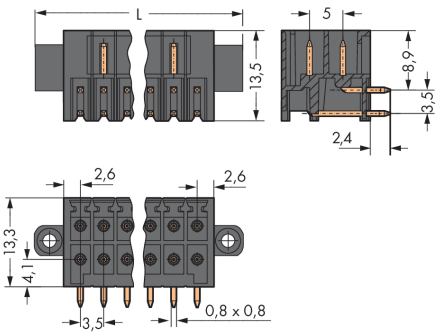
https://www.wago.com/713-1430/117-000

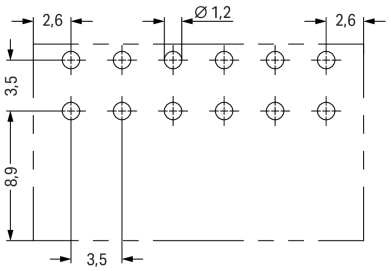




Color: ■ black

Similar to illustration





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

Male connector, 713 Series, black

Enjoy error-free electrical installations with this male connector (item number 713-1430/117-000). The dimensions are (45.1 x 15.7 x 13.5) mm (width x height x depth).

Tin is used for coating the contact surfaces. 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	15.7 mm / 0.618 inches
Height from the surface	13.3 mm / 0.524 inches
Depth	13.5 mm / 0.531 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	0 °
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	6.5 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	4050821156635
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)	33ed2c08-ffdc-4f75-a601-203a171613fc
SCIP notification number (Belgium)	f81b1862-1848-45f2-b223-d92819123623
SCIP notification number (Bulgaria)	3a5f0962-dd1f-46b1-a418-f83f28a84f31
SCIP notification number (Czech Republic)	28b60173-7df9-4a44-a2ce-a99bb2fafec9
SCIP notification number (Denmark)	46907e88-a105-4450-9579-307948e65d36
SCIP notification number (Finland)	137bf47f-041e-4689-ae12-c64c4353e074
SCIP notification number (France)	cda033d5-c965-410d-84ad-993543f373f3
SCIP notification number (Germany)	09d6300f-fa8d-40d7-b187-b49b6c569178
SCIP notification number (Hungary)	cf00f946-f829-4a59-a382-bbd5aee7b8c1
SCIP notification number (Italy)	4f882b68-8517-4b85-b760-b321727c405d
SCIP notification number (Netherlands)	ca1c81be-3a14-4776-83fc-ed3b26af4afe
SCIP notification number (Poland)	044ec710-2e7c-40ad-9f49-72e53b798991
SCIP notification number (Romania)	20fb15e5-476d-4bbb-86aa-7cb1cb980f9f
SCIP notification number (Sweden)	3be6a412-0222-406c-8633-9967913c5383

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 713-1430/117-000

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	
		pdf 535.32 KB	

CAD/CAE-Data

CAD data

2D/3D Models
713-1430/117-000

CAE data

ZUKEN Portal
713-1430/117-000

PCB Design

Symbol and Footprint via
SamacSys
713-1430/117-000

Symbol and Footprint via
Ultra Librarian
713-1430/117-000

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

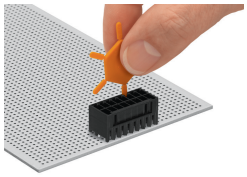
1.2.1.1 Coding



Item No.: 714-101
Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.