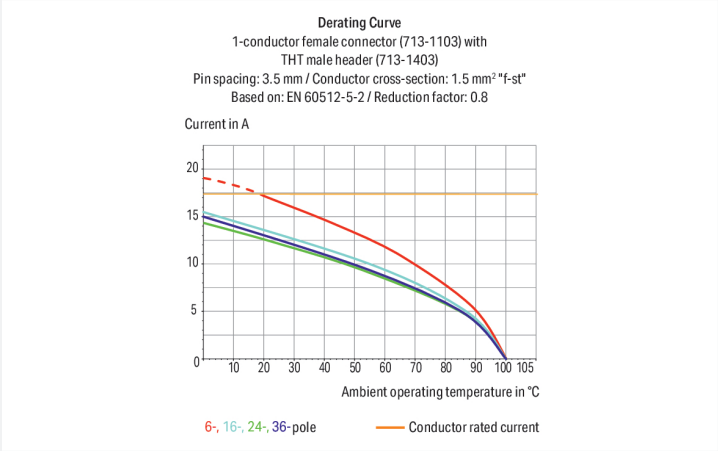
Data Sheet | Item Number: 713-1430/107-000

THT 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

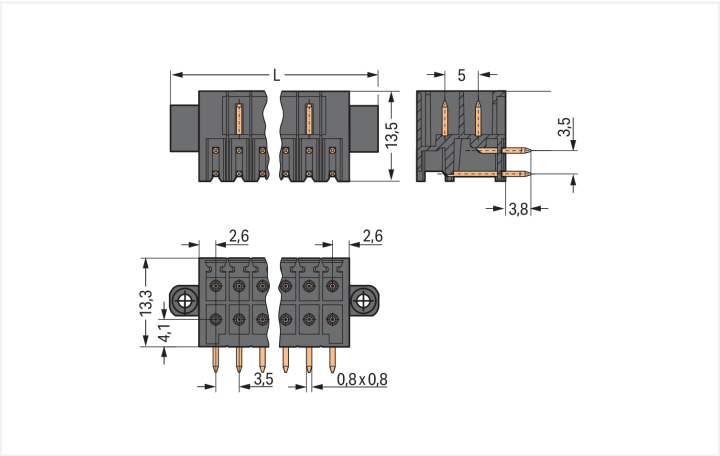
https://www.wago.com/713-1430/107-000

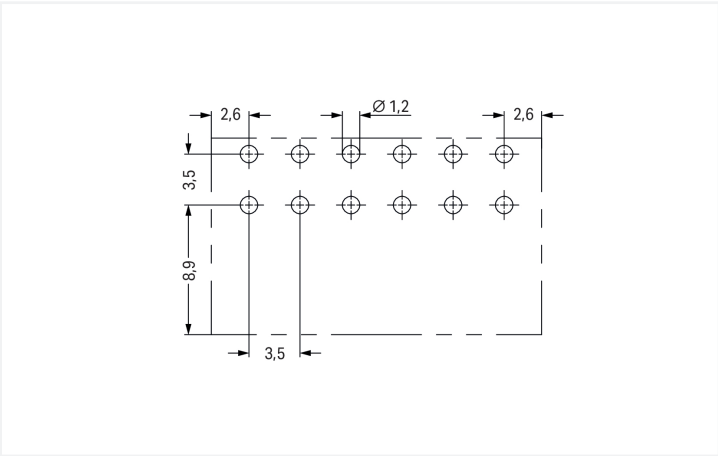




Color: ■ black

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

Fault-free electrical installations are guaranteed with this male connector (item number 713-1430/107-000). The dimensions are (45.1 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		
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	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	1.2 $^{(+0.1)}$ 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	THT
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	6.2 g

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	4045454809171
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)	3501917f-dd84-48d7-b4fa-f002ea089610
SCIP notification number (Belgium)	58d41465-4f03-4c56-a701-84d2f6c9f6d3
SCIP notification number (Bulgaria)	b399f489-2937-4fdf-958b-474539ea6150
SCIP notification number (Czech Republic)	0568d367-a568-4cfd-8ee3-8e42f4973e00
SCIP notification number (Denmark)	663650fa-59d5-47b4-84d1-c4b6d7140804
SCIP notification number (Finland)	afb04684-105a-4b78-a901-7ec115d9fccb
SCIP notification number (France)	e425bf8f-698e-49e4-90d5-e1f3b9db24f6
SCIP notification number (Germany)	e841bdad-0921-496c-b759-9e29e9a38c9a
SCIP notification number (Hungary)	c2fa6f8d-611f-4dc7-ae20-c1084d8bc20a
SCIP notification number (Italy)	5604e76e-bade-416d-a02b-247569aec0fd
SCIP notification number (Netherlands)	56d06278-5f20-4109-8571-541fce66c5d7
SCIP notification number (Poland)	27921fd6-14b2-4dc9-b02f-f5f7198cc75d
SCIP notification number (Romania)	57c58faa-d719-4154-9ece-b4bbe0ded9d7
SCIP notification number (Sweden)	77100778-2519-4fe2-8a09-5297f4cbcac4

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 713-1430/107-000

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	

 Continued on next page

CAD/CAE-Data

CAD data

2D/3D Models
713-1430/107-000

CAE data

ZUKEN Portal
713-1430/107-000

PCB Design

Symbol and Footprint via
SamacSys
713-1430/107-000

Symbol and Footprint via
Ultra Librarian
713-1430/107-000

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



Item No.: 713-1110/107-047
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 20-pole; 100% protected against mismating; Screw flange; direct marking; black



Item No.: 713-1110/107-9037
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 20-pole; 100% protected against mismating; Screw flange; direct marking; black



Item No.: 713-1110/107-047/033-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 20-pole; 100% protected against mismating; Screw flange; Strain relief plate; direct marking; black



Item No.: 713-1110/107-9037/033-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 20-pole; 100% protected against mismating; Screw flange; Strain relief plate; direct marking; black

1.2 Optional Accessories

1.2.1 Coding

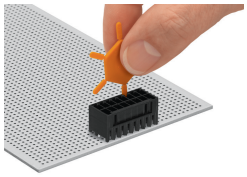
1.2.1.1 Coding



Item No.: 714-101
Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.

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