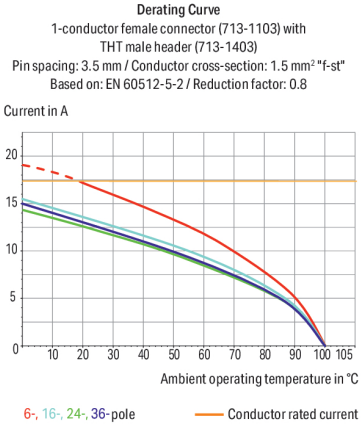
Data Sheet | Item Number: 713-1438/107-000

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; 36-pole; black

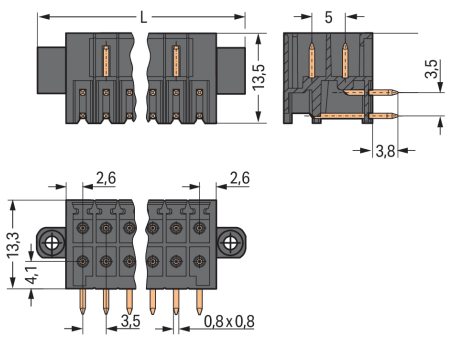
https://www.wago.com/713-1438/107-000

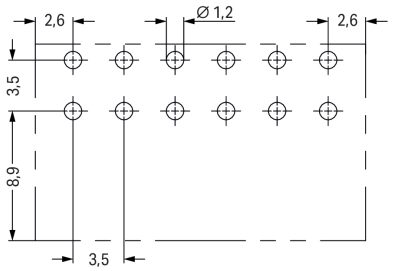




Color: ■ black

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

Enjoy error-free electrical installations with this male connector (item number 713-1438/107-000). The item's dimensions are (73.1 x 17.1 x 13.5) mm (width x height x depth).

Tin is used for coating the contact surfaces. THT is used to assemble 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		
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	36
Number of connection types	1
Number of levels	2

Connection 1

Pole number	36

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	73.1 mm / 2.878 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	0.09 MJ
Weight	10.4 g

Environmental requirements

Limit temperature range	-60 … +100 °C
Processing temperature	-35 … +60 °C

Commercial data

Product Group	3 (Multi Conn. System)
PU (SPU)	10 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454809256
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)	d98c292d-29f0-4a7c-8615-48a79007b533
SCIP notification number (Belgium)	8cd72944-1c15-415b-b92d-f765fee368f0
SCIP notification number (Bulgaria)	98e27d0f-a826-42f1-b817-8858b0490093
SCIP notification number (Czech Republic)	ba783837-a6fb-4be6-adcf-977427efd9b2
SCIP notification number (Denmark)	db77b6e7-8385-4858-85c6-f471fff0ba68
SCIP notification number (Finland)	fb082534-c3b8-4d30-af1a-1703e7a4b5ec
SCIP notification number (France)	4623c68b-81d7-43b6-b1de-42d660bcf210
SCIP notification number (Germany)	f27e372c-8f55-47d3-aeb3-49e94d39b605
SCIP notification number (Hungary)	5c9354ae-191a-44c8-ac77-d14c22685d23
SCIP notification number (Italy)	4182c3b8-7975-4bbe-acb8-7cbba2806362
SCIP notification number (Netherlands)	e9c79a55-d537-436d-8a29-de2e2f8bcd66
SCIP notification number (Poland)	56005071-5fde-4a33-b155-20e4e8990d2c
SCIP notification number (Romania)	7b19d27c-3928-49b6-a24e-c3df049371ee
SCIP notification number (Sweden)	6e18d6b6-b2b8-4da5-9910-d75d7bf7abc9

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
713-1438/107-000

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB

Continued on next page

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 713-1438/107-000	ZUKEN Portal 713-1438/107-000

PCB Design
Symbol and Footprint via SamacSys 713-1438/107-000
Symbol and Footprint via Ultra Librarian 713-1438/107-000

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 713-1118/107-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 36-pole; 100% protected against mismating; Screw flange; black



Item No.: 713-1118/107-047
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 36-pole; 100% protected against mismating; Screw flange; direct marking; black



Item No.: 713-1118/107-9037
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 36-pole; 100% protected against mismating; Screw flange; direct marking; black



Item No.: 713-1118/107-047/035-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 36-pole; 100% protected against mismating; Screw flange; Strain relief plate; direct marking; black



Item No.: 713-1118/107-9037/035-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 36-pole; 100% protected against mismating; Screw flange; Strain relief plate; direct marking; black

1.2 Optional Accessories

1.2.1 Coding

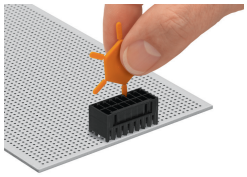
1.2.1.1 Coding



Item No.: 714-101
Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.

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