

Data Sheet | Item Number: 713-1474/107-000

THT male header, 2-row; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; with orientation nose; Threaded flange; Pin spacing 3.5 mm; 28-pole; black

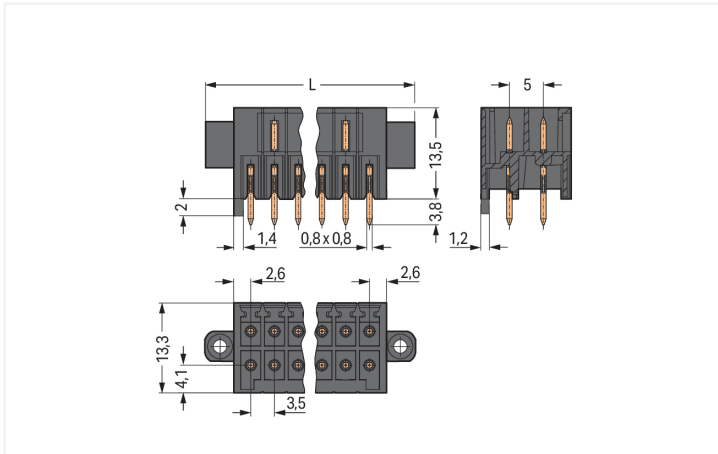
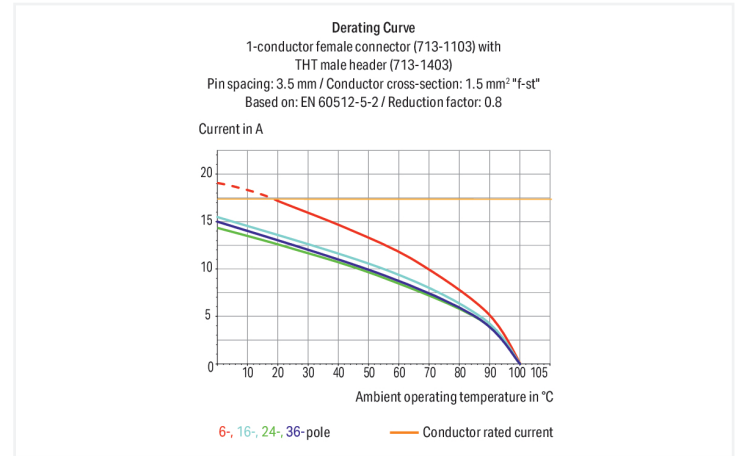


<https://www.wago.com/713-1474/107-000>



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

Enjoy seamless electrical installations with this male connector (item number 713-1474/107-000). The dimensions are (59.1 x 17.3 x 13.3) mm (width x height x depth).

Tin is used for coating the contact surfaces. THT 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	28	Connection 1	
Number of connection types	1	Pole number	28
Number of levels	2		

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	59.1 mm / 2.327 inches
Height	17.3 mm / 0.681 inches
Height from the surface	13.5 mm / 0.531 inches
Depth	13.3 mm / 0.524 inches
Solder pin length	3.8 mm
Solder pin dimensions	0.8 x 0.8 mm
Drilled hole diameter with tolerance	1.2 ^(+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	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	0.154 MJ
Weight	7.8 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	4045454809522
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)	0da82bf1-7254-41c2-ad89-a1d50aec9e12
SCIP notification number (Belgium)	2facad52-f5f5-4933-956e-7bb3015f2a0b
SCIP notification number (Bulgaria)	eb2ff4f6-dd23-46fd-a56d-aa3aa923aa4b
SCIP notification number (Czech Republic)	cce1514e-b310-42a2-934f-e826a78ed879
SCIP notification number (Denmark)	1cf02a5d-bfc0-4056-ba65-9aad429eab92
SCIP notification number (Finland)	164768d5-beab-4f14-b43a-e7092dba760b
SCIP notification number (France)	682a9e83-bc21-4704-b10f-7a5377e3e29c
SCIP notification number (Germany)	bf1e63d6-2a62-42c9-b8f9-d2d3a24fd09d
SCIP notification number (Hungary)	938e84c9-3999-4b4d-bd27-d420d520fec0
SCIP notification number (Italy)	273f0700-c2b9-4a63-a076-177a76ee481c
SCIP notification number (Netherlands)	2ccaddf3-112e-4d8e-ae70-5cac1078e40d
SCIP notification number (Poland)	36ecc632-94b6-4cae-8dfc-2bfc41c80b74
SCIP notification number (Romania)	fb28fe2d-7b7e-48ff-b2f2-9f48eabf069f
SCIP notification number (Sweden)	156dff02-7c03-48b7-b242-62ba04cf84cf

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 713-1474/107-000	↓
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Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	↓
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CAD/CAE-Data

CAD data

2D/3D Models
713-1474/107-000



CAE data

ZUKEN Portal
713-1474/107-000



PCB Design

Symbol and Footprint
via SamacSys
713-1474/107-000



Symbol and Footprint
via Ultra Librarian
713-1474/107-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: [713-1114/107-000](#)

1-conductor female connector, 2-row; CA-GE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 28-pole; 100% protected against mismatching; Screw flange; black

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding

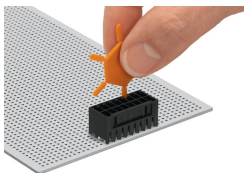


Item No.: [714-101](#)

Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.