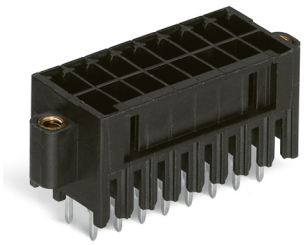
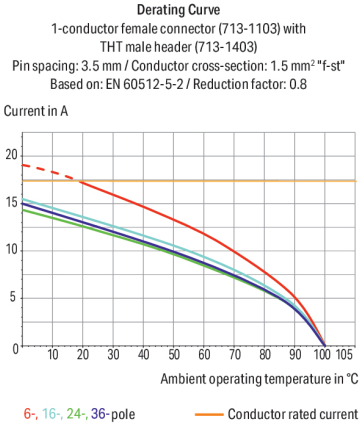
Data Sheet | Item Number: 713-1466/107-000

THT male header, 2-row; 0.8 x 0.8 mm solder pin; straight; 100% protected against mis-mating; with orientation nose; Threaded flange; Pin spacing 3.5 mm; 12-pole; black

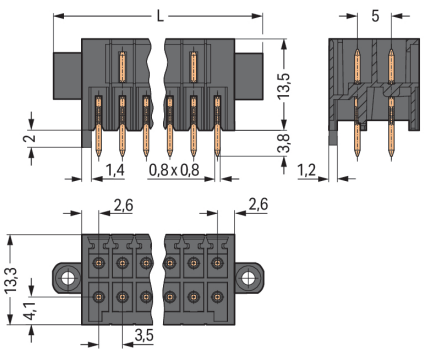
https://www.wago.com/713-1466/107-000





Color: ■ black

Similar to illustration



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

Male connector, 713 Series, black

Our male connector (item number 713-1466/107-000) is designed for seamless electrical installations. The item's dimensions are (31.1 x 17.3 x 13.3) 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	12
Number of connection types	1
Number of levels	2

Connection 1

Pole number	12

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	31.1 mm / 1.224 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	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	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	0.036 MJ
Weight	3.9 g

Environmental requirements

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

Commercial data

Product Group	3 (Multi Conn. System)
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	PL
GTIN	4066966225471
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)	1a387b8d-2ba7-415b-8de9-130880def999
SCIP notification number (Belgium)	790664e2-3f5c-48f6-a8cb-d954d65fdac6
SCIP notification number (Bulgaria)	a7aa8c65-bd3a-4f43-8268-225a4cab9c5e
SCIP notification number (Czech Republic)	cb93e3aa-3b87-4b96-aa9b-3a10172237fa
SCIP notification number (Denmark)	863b9855-96b3-4d86-97ad-4bfc8382a195
SCIP notification number (Finland)	b4381bd9-52a5-42b0-9777-15cb664d584a
SCIP notification number (France)	393adbfa-6635-4da5-bde2-f38e2397a256
SCIP notification number (Germany)	c704071e-ae11-4276-9651-3b2e01c7b02f
SCIP notification number (Hungary)	af0929c0-d1dd-4ff1-b13d-3b60187ed3b5
SCIP notification number (Italy)	13dba65a-16a0-4321-b8b6-14fc769a0f1d
SCIP notification number (Netherlands)	5cd075a0-2345-4a5c-b37d-062e8982664d
SCIP notification number (Poland)	8bf9a6fe-7640-4603-9075-f36874fbbce2
SCIP notification number (Romania)	30bd50bd-2a19-44f7-ac56-bb0f832e3287
SCIP notification number (Sweden)	2a161fa7-46a8-43ea-aa92-92c26f4d92e7

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 713-1466/107-000

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	

Continued on next page

CAD/CAE-Data

CAD data

2D/3D Models
713-1466/107-000

CAE data

ZUKEN Portal
713-1466/107-000

PCB Design

Symbol and Footprint via
SamacSys
713-1466/107-000

Symbol and Footprint via
Ultra Librarian
713-1466/107-000

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 713-1106/107-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 12-pole; 100% protected against mismating; Screw flange; black

1.2 Optional Accessories

1.2.1 Coding

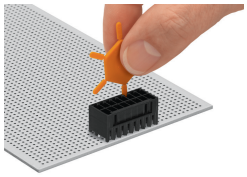
1.2.1.1 Coding



Item No.: 714-101
Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.