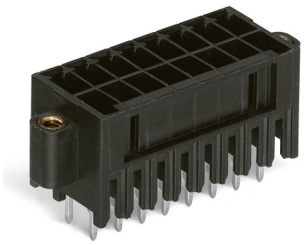
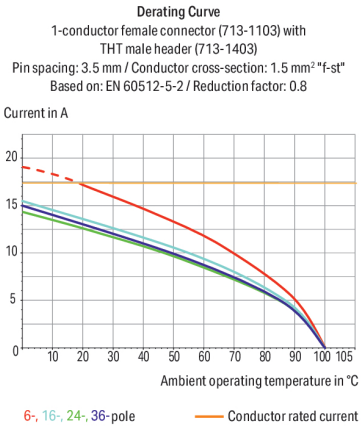
Data Sheet | Item Number: 713-1407/107-000

THT male header, 2-row; 0.8 x 0.8 mm solder pin; straight; 100% protected against mis-mating; Threaded flange; Pin spacing 3.5 mm; 14-pole; black

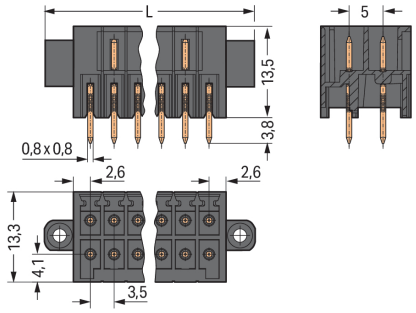
https://www.wago.com/713-1407/107-000

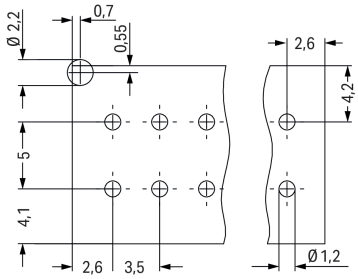




Color: ■ black

Similar to illustration





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

Male connector, 713 Series, with 3.5 mm pin spacing

Our male connector (item number 713-1407/107-000) ensures effortless electrical installations. Dimensions: (34.6 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	14
Number of connection types	1
Number of levels	2

Connection 1

Pole number	14

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	34.6 mm / 1.362 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	0.04 MJ
Weight	4.4 g

Environmental requirements

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

Commercial data

Product Group	3 (Multi Conn. System)
PU (SPU)	25 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454808969
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)	033d149d-e4c6-42a8-b463-3c96e46d091f
SCIP notification number (Belgium)	c70c97b7-9c62-486f-a132-fe1563a67fdc
SCIP notification number (Bulgaria)	1553edad-dfef-4d95-a2e1-1ff0057cd2d5
SCIP notification number (Czech Republic)	7f0bc012-c374-431c-9fd4-df89c49c419f
SCIP notification number (Denmark)	f534b588-d799-4230-9c07-89c737d1f1cc
SCIP notification number (Finland)	98479863-8750-4e08-8b2e-32514c3c3284
SCIP notification number (France)	bffdb2cf-aafe-4d82-a58e-b607f091b54f
SCIP notification number (Germany)	39a78c57-9569-4e32-8e17-f662875ab813
SCIP notification number (Hungary)	0ba0f602-77d7-483d-8b76-7df4bd748792
SCIP notification number (Italy)	31c09d07-3e0d-4871-9f0b-425151b3004a
SCIP notification number (Netherlands)	216515d0-645e-47ce-b016-ec94d6e527b1
SCIP notification number (Poland)	92058f20-b6d5-493e-8a39-fba5141b8605
SCIP notification number (Romania)	693c8136-f89a-4d41-ad16-8f6d2c2f3dd1
SCIP notification number (Sweden)	774d48f8-315e-49aa-8724-983c946739be

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
713-1407/107-000

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB

CAD/CAE-Data

CAD data

2D/3D Models
713-1407/107-000

CAE data

ZUKEN Portal
713-1407/107-000

PCB Design

Symbol and Footprint via SamacSys
713-1407/107-000

Symbol and Footprint via Ultra Librarian
713-1407/107-000

Continued on next page

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 713-1107/107-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 14-pole; 100% protected against mismating; Screw flange; black



Item No.: 713-1107/107-047
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 14-pole; 100% protected against mismating; Screw flange; direct marking; black



Item No.: 713-1107/107-9037
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 14-pole; 100% protected against mismating; Screw flange; direct marking; black



Item No.: 713-1107/107-047/033-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 14-pole; 100% protected against mismating; Screw flange; Strain relief plate; direct marking; black



Item No.: 713-1107/107-9037/033-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 14-pole; 100% protected against mismating; Screw flange; Strain relief plate; direct marking; black

1.2 Optional Accessories

1.2.1 Coding

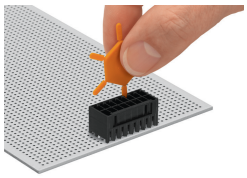
1.2.1.1 Coding



Item No.: 714-101
Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.