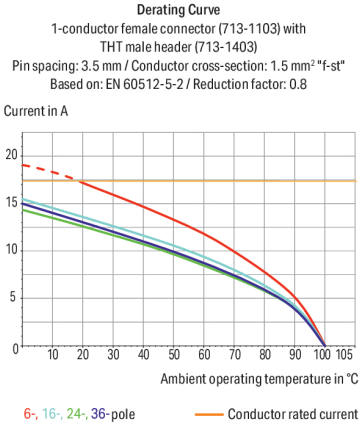
Data Sheet | Item Number: 713-1428/107-000

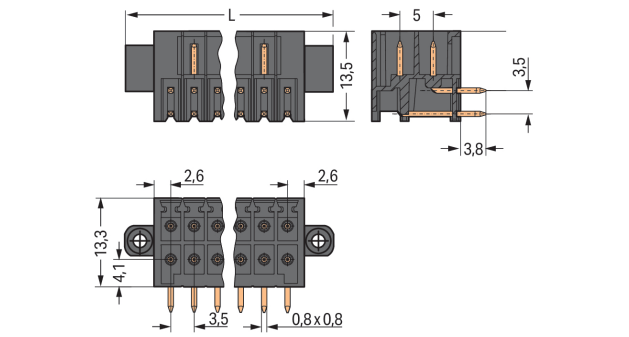
THT male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mis-mating; Threaded flange; Pin spacing 3.5 mm; 16-pole; black

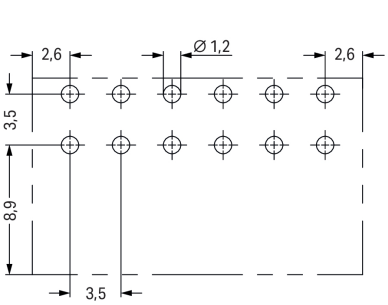
https://www.wago.com/713-1428/107-000





Color: ■ black





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

Male connector, 713 Series, with 3.5 mm pin spacing

Seamless electrical installations are guaranteed with this male connector (item number 713-1428/107-000). Dimensions: (38.1 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	16
Number of connection types	1
Number of levels	2

Connection 1

Pole number	16

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	38.1 mm / 1.5 inches
Height	15.7 mm / 0.618 inches
Height from the surface	13.3 mm / 0.524 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	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	0.045 MJ
Weight	5.2 g

Environmental requirements

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

Commercial data

Product Group	3 (Multi Conn. System)
PU (SPU)	25 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454809157
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)	b25b8158-8941-4a9f-963a-955cb8e7f692
SCIP notification number (Belgium)	122f917a-c665-4cad-a2c4-a68139be0090
SCIP notification number (Bulgaria)	91e5c92d-b2ed-4ed2-b0b5-865b53e08fa1
SCIP notification number (Czech Republic)	e4ee9286-1fb5-45f8-a4bc-7ede1f9110f9
SCIP notification number (Denmark)	6b129419-305b-489b-9875-5069c66dfff1
SCIP notification number (Finland)	93619195-b974-4dab-ac2c-613ce278f9e3
SCIP notification number (France)	26fa3007-45b9-4d03-b28a-461df27c3ac3
SCIP notification number (Germany)	0902ed80-9e10-4993-82ed-2f37760a2dc0
SCIP notification number (Hungary)	e5a654d9-8f4f-4124-baaf-5c5763138dea
SCIP notification number (Italy)	cb5f082b-a399-4436-ba0a-a9ba40dc32fd
SCIP notification number (Netherlands)	5b137135-d0c3-41da-baab-c38e574a740a
SCIP notification number (Poland)	641a1b71-25dd-4f70-9e4a-47078fbda9a5
SCIP notification number (Romania)	b59db46e-a6f5-40f4-a3c3-bc552f3d97d9
SCIP notification number (Sweden)	71badf49-3822-456d-bd8b-2a320a632ac4

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
713-1428/107-000

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	

Continued on next page

CAD/CAE-Data

CAD data

2D/3D Models
713-1428/107-000

CAE data

ZUKEN Portal
713-1428/107-000

PCB Design

Symbol and Footprint via
SamacSys
713-1428/107-000

Symbol and Footprint via
Ultra Librarian
713-1428/107-000

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 713-1108/107-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 16-pole; 100% protected against mismating; Screw flange; black



Item No.: 713-1108/107-047
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 16-pole; 100% protected against mismating; Screw flange; direct marking; black



Item No.: 713-1108/107-9037
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 16-pole; 100% protected against mismating; Screw flange; direct marking; black



Item No.: 713-1108/107-047/033-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 16-pole; 100% protected against mismating; Screw flange; Strain relief plate; direct marking; black



Item No.: 713-1108/107-9037/033-000
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 16-pole; 100% protected against mismating; Screw flange; Strain relief plate; direct marking; black

1.2 Optional Accessories

1.2.1 Coding

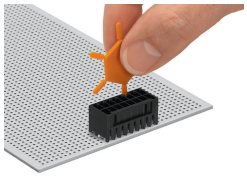
1.2.1.1 Coding



Item No.: 714-101
Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.

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