

Data Sheet | Item Number: 713-1424/107-000

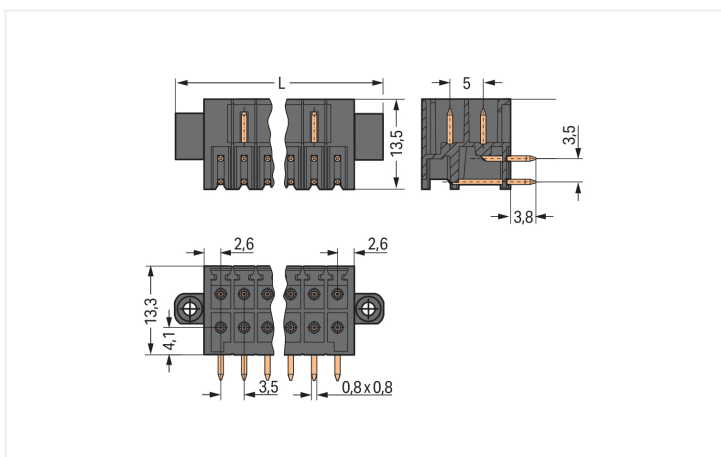
THT male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 8-pole; black

<https://www.wago.com/713-1424/107-000>



Color: ■ black

Similar to illustration



Dimensions in mm

$L = [(pole\ no./2) - 1] \times pin\ spacing + 13.6\ mm$



Male connector, 713 Series, black

Enjoy error-free electrical installations with this male connector (item number 713-1424/107-000). The dimensions are (24.1 x 17.1 x 13.5) 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			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	8	Connection 1	
Number of connection types	1	Pole number	8
Number of levels	2		

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	24.1 mm / 0.949 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 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	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	0.057 MJ
Weight	3.1 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	4045454809119
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)	d99bcd3b-af60-4407-b53b-055dce1a638b
SCIP notification number (Belgium)	3de151d7-2475-491c-95eb-21f65aecc513
SCIP notification number (Bulgaria)	1441d252-abba-4b21-95c9-4f28850bad96
SCIP notification number (Czech Republic)	4519fa85-fd28-4a5b-a55d-9dc3a686cbd4
SCIP notification number (Denmark)	ded757f6-6125-4375-b4d4-3b09adf731c3
SCIP notification number (Finland)	ab6c1494-efe9-42c6-8d43-3f6bebdbaafc1
SCIP notification number (France)	332666af-5d0b-46df-b16e-8c2156f7fead
SCIP notification number (Germany)	72a26b01-50f1-4bee-ae9e-11d61e0a0131
SCIP notification number (Hungary)	d034f263-660c-481c-86f4-5025c69cf12e
SCIP notification number (Italy)	570c327d-b5ea-430c-8fde-2d6352af3d6d
SCIP notification number (Netherlands)	267a54a2-ea77-45b6-a4df-497fb76e9ec0
SCIP notification number (Poland)	fa07204e-c9bf-4899-91ee-90967697c362
SCIP notification number (Romania)	388eb7f4-3d20-4bc0-a910-66c83c3917f3
SCIP notification number (Sweden)	83685aa9-397a-47e3-b07f-512577a4910

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 713-1424/107-000

Documentation

Additional Information
Technical Section 03.04.2019 pdf 2027.26 KB

CAD/CAE-Data

CAD data

2D/3D Models
713-1424/107-000



CAE data

ZUKEN Portal
713-1424/107-000



PCB Design

Symbol and Footprint
via SamacSys
713-1424/107-000



Symbol and Footprint
via Ultra Librarian
713-1424/107-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket

**Item No.: 713-1104/107-000**

1-conductor female connector, 2-row;
CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5
mm; 8-pole; 100% protected against mis-
mating; Screw flange; black

**Item No.: 713-1104/107-047**

1-conductor female connector, 2-row;
CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5
mm; 8-pole; 100% protected against mis-
mating; Screw flange; direct marking;
black

**Item No.: 713-1104/107-9037**

1-conductor female connector, 2-row;
CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5
mm; 8-pole; 100% protected against mis-
mating; Screw flange; direct marking;
black

**Item No.: 713-1104/107-047/032-000**

1-conductor female connector, 2-row;
CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5
mm; 8-pole; 100% protected against mis-
mating; Screw flange; Strain relief plate;
direct marking; black

**Item No.: 713-1104/107-9037/032-000**

1-conductor female connector, 2-row; CA-
GE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm;
8-pole; 100% protected against misma-
ting; Screw flange; Strain relief plate; direct
marking; black

1.2 Optional Accessories

1.2.1 Coding

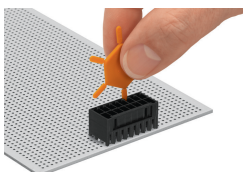
1.2.1.1 Coding

**Item No.: 714-101**

Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a co-
ding pin.

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: www.wago.com