

Data Sheet | Item Number: 713-1415/107-000

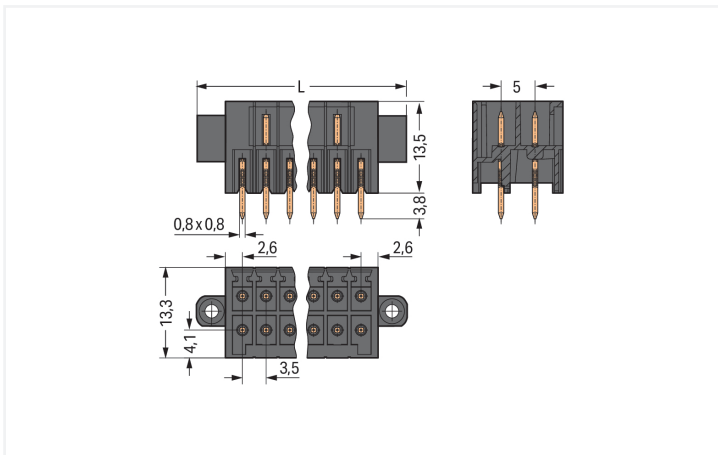
THT male header, 2-row; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 30-pole; black

<https://www.wago.com/713-1415/107-000>



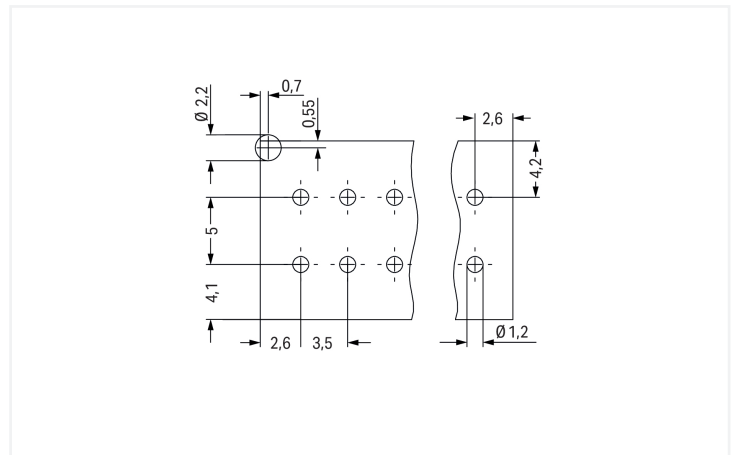
Color: ■ black

Similar to illustration



Dimensions in mm

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



Male connector, 713 Series, black

Effortless electrical installations are guaranteed with this male connector (item number 713-1415/107-000). The item's dimensions are (62.6 x 17.3 x 13.3) mm (width x height x depth).

The contact surface is coated with tin. 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			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	30	Connection 1	
Number of connection types	1	Pole number	30
Number of levels	2		

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	62.6 mm / 2.465 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	0.163 MJ
Weight	8.3 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	4045454809058
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)	40a7839d-186d-49c0-a014-254fe773c367
SCIP notification number (Belgium)	b43c5d39-55bc-462b-aae6-09d78f078c4f
SCIP notification number (Bulgaria)	6140c55e-8a12-42c5-a7cd-f0b7d0cabb01
SCIP notification number (Czech Republic)	4d2023ad-45b1-41b9-b124-71c3a60a793c
SCIP notification number (Denmark)	f6409f17-3d04-4e16-996b-bfd46324f410
SCIP notification number (Finland)	b0f5175a-906d-46b6-8d3f-e24292259b46
SCIP notification number (France)	8cf48970-151e-47b7-bd5f-799cff4ae586
SCIP notification number (Germany)	f11d600d-4a8c-4664-a30b-f1bc3d1d84b6
SCIP notification number (Hungary)	52aa8401-803b-49e0-af5d-9f07a91240ec
SCIP notification number (Italy)	cc1565e8-548d-42eb-8572-8c85196c642f
SCIP notification number (Netherlands)	ffedd195-f612-43ef-acbf-a1fdd0dfb42e
SCIP notification number (Poland)	94690a1a-091e-4d25-9967-c09e3cece03c
SCIP notification number (Romania)	95194f48-dada-44e5-bfe6-45a72aba8e24
SCIP notification number (Sweden)	ca276080-d13d-461d-b11c-0b3296eaaae7

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	71-126089

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 713-1415/107-000

Documentation

Additional Information
Technical Section 03.04.2019 pdf 2027.26 KB

CAD/CAE-Data

CAD data

2D/3D Models
713-1415/107-000



CAE data

ZUKEN Portal
713-1415/107-000



PCB Design

Symbol and Footprint
via SamacSys
713-1415/107-000



Symbol and Footprint
via Ultra Librarian
713-1415/107-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 713-1115/107-000

1-conductor female connector, 2-row;
CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5
mm; 30-pole; 100% protected against
mismatching; Screw flange; black



Item No.: 713-1115/107-047

1-conductor female connector, 2-row;
CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5
mm; 30-pole; 100% protected against
mismatching; Screw flange; direct marking;
black



Item No.: 713-1115/107-9037

1-conductor female connector, 2-row;
CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5
mm; 30-pole; 100% protected against
mismatching; Screw flange; direct marking;
black



Item No.: 713-1115/107-047/035-000

1-conductor female connector, 2-row;
CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5
mm; 30-pole; 100% protected against
mismatching; Screw flange; Strain relief pla-
te; direct marking; black



Item No.: 713-1115/107-9037/035-000

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

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding

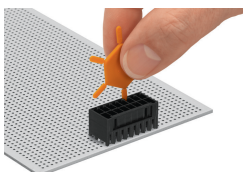


Item No.: 714-101

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