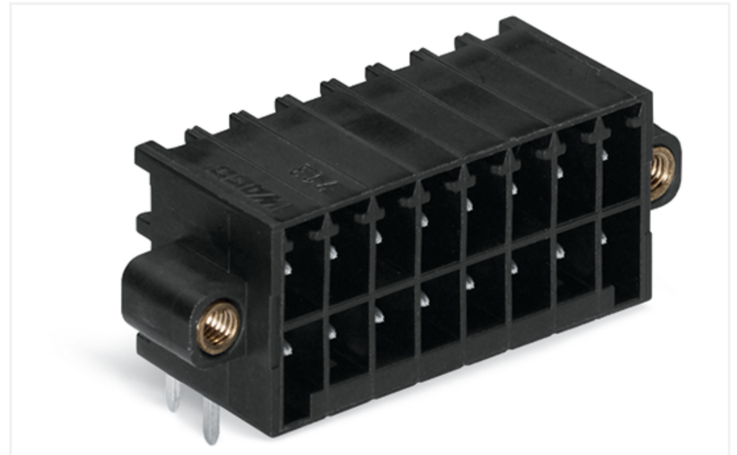


Data Sheet | Item Number: 713-1429/117-000/997-407

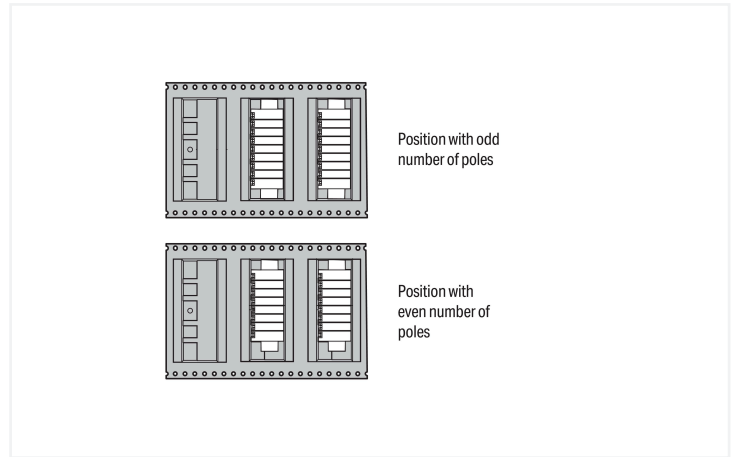
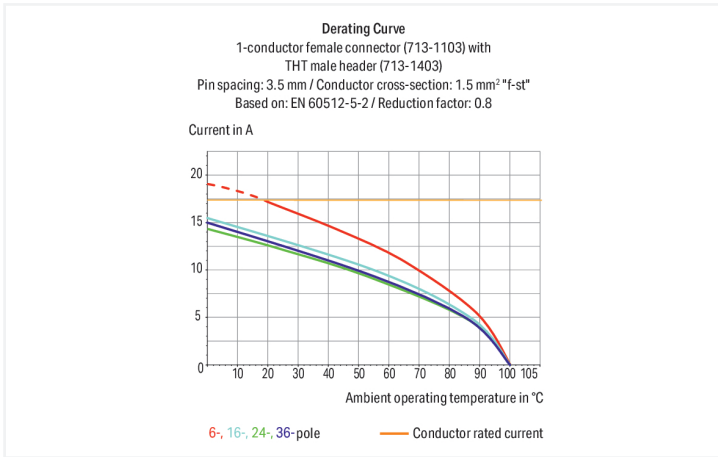
THR male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; in tape-and-reel packaging; Pin spacing 3.5 mm; 18-pole; black

<https://www.wago.com/713-1429/117-000/997-407>

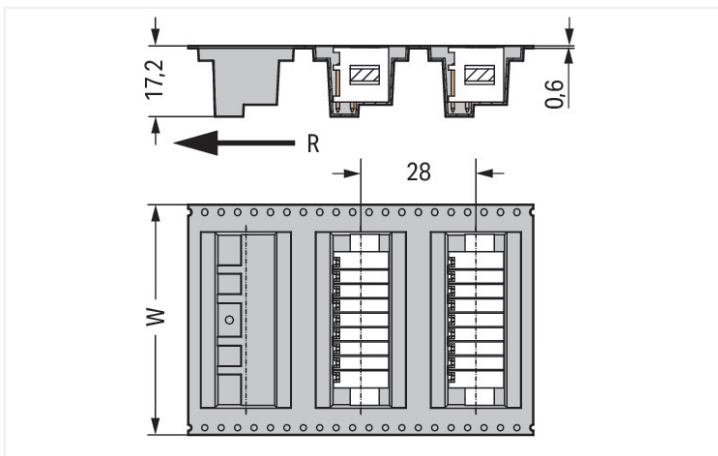


Color: ■ black

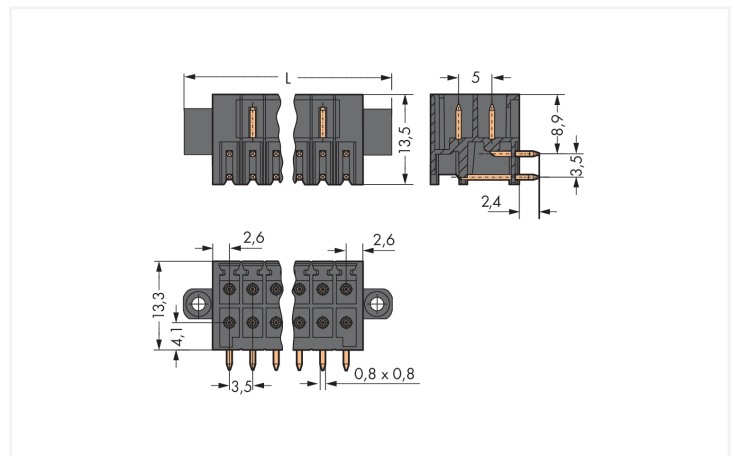
Similar to illustration



Dimensions in mm
 Pin position in tape-and-reel packaging



Dimensions in mm
 W = tape width R = feed direction



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

Male connector, 713 Series, black

This male connector (item number 713-1429/117-000/997-407) is designed for seamless electrical installations. Dimensions: (41.6 x 15.7 x 13.5) mm (width x height x depth).

Tin is used for coating the contact surfaces. THR is used to assemble the pcb connector.

Notes

<p>Safety Information</p> <p>Variants:</p>	<p>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.</p> <p>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/.</p>
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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	18	Connection 1
Number of connection types	1	Pole number
Number of levels	2	18

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	41.6 mm / 1.638 inches
Height	15.7 mm / 0.618 inches
Height from the surface	13.3 mm / 0.524 inches
Depth	13.5 mm / 0.531 inches
Solder pin length	2.4 mm
Solder pin dimensions	0.8 x 0.8 mm
Plated through-hole diameter (THR)	1.3 (+0.1) mm
Reel diameter of tape-and-reel packaging	330 mm
Tape width	56 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	THR
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	12.6 MJ
Weight	6 g
MSL per J-STD 020D	1

Environmental requirements

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

Commercial data

PU (SPU)	120 pcs
Packaging type	Bag
Country of origin	DE
GTIN	4050821309840
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)	1bbc5c98-600a-406b-8602-e4eb0c66bc9e
SCIP notification number (Belgium)	a58b908c-1c2e-49fc-ae9c-5b46cc40d0ea
SCIP notification number (Bulgaria)	ae1badd9-aae2-4f62-aac5-701169b14be7
SCIP notification number (Czech Republic)	f8195704-b097-4e3e-814c-64a304c8f559
SCIP notification number (Denmark)	0df23b54-8000-465e-b9c1-b59c829fa3a7
SCIP notification number (Finland)	41279ab6-f75a-4fda-bcc1-827e249f9518
SCIP notification number (France)	18a7df36-6b4d-4c35-993a-69a6997db414
SCIP notification number (Germany)	074ceabb-9ebf-4395-8f47-54e131345549
SCIP notification number (Hungary)	0b1ed87f-1f7c-46c3-84ed-e8c8603fa737
SCIP notification number (Italy)	d64ff4e7-e088-43bc-9eeb-8287b5ddebdf
SCIP notification number (Netherlands)	b6266dca-909f-449d-8b3d-90858d4bc48e
SCIP notification number (Poland)	6f746cda-d7cb-4ec9-8804-36cf00c17bb8
SCIP notification number (Romania)	ec7cddde5-3da7-427f-8643-4813db3b2678
SCIP notification number (Sweden)	f0ad57cb-8917-4085-8322-30d7cf9557f5

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

Declarations of conformity and manufacturer's declarations



Approval	Standard	Certificate Name
Railway WAGO GmbH & Co. KG	-	Z00004424.000

Downloads

Environmental Product Compliance

Compliance Search

[↓](#)

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	↓
		pdf 535.32 KB	↓

CAD/CAE-Data

CAD data



PCB Design



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: [713-1109/107-000](#)

1-conductor female connector, 2-row; CA-GE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; Screw flange; black

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding

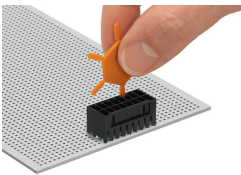


Item No.: [714-101](#)

Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.