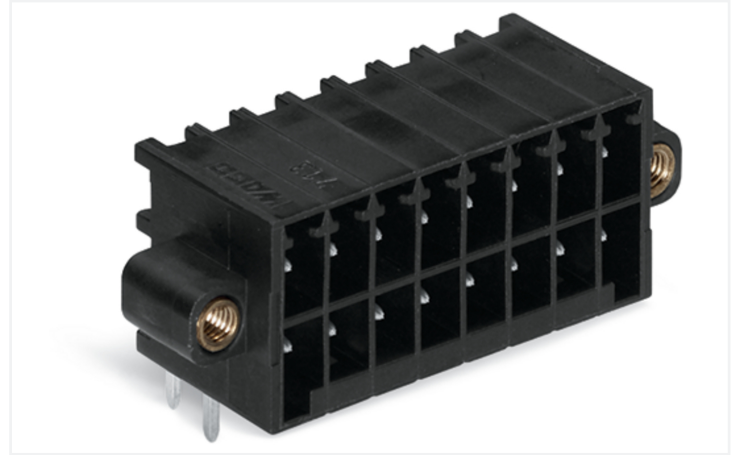


Data Sheet | Item Number: 713-1426/117-000/997-406

THR male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; Threaded flange; in tape-and-reel packaging; Pin spacing 3.5 mm; 12-pole; black



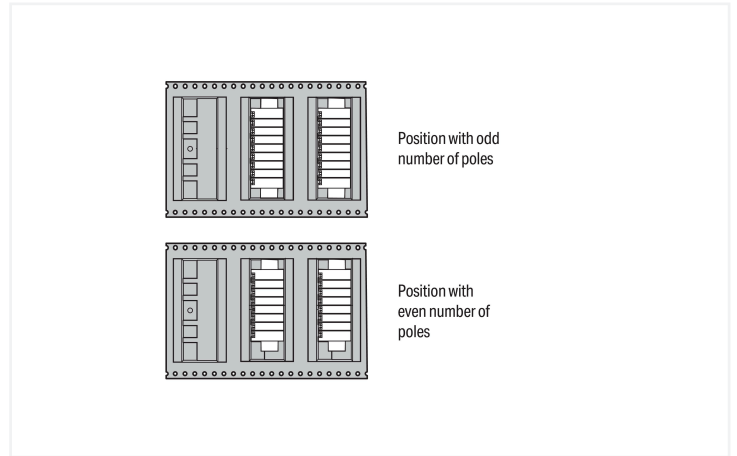
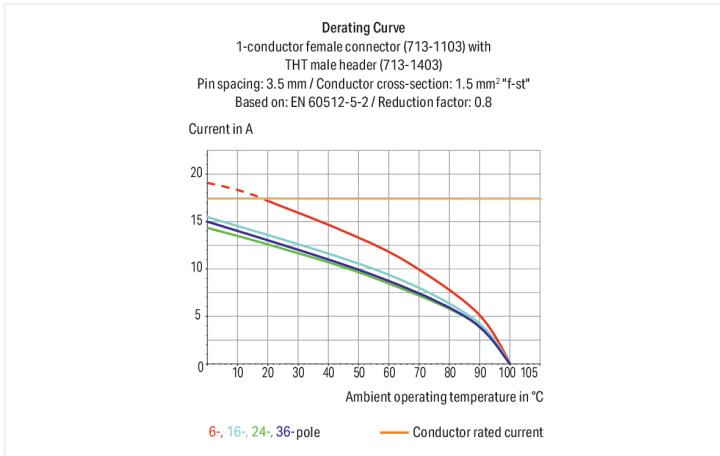
<https://www.wago.com/713-1426/117-000/997-406>



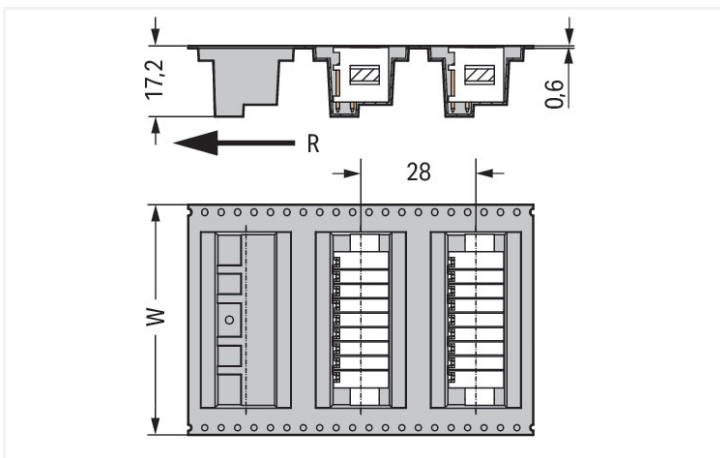
Color: ■ black

Similar to illustration

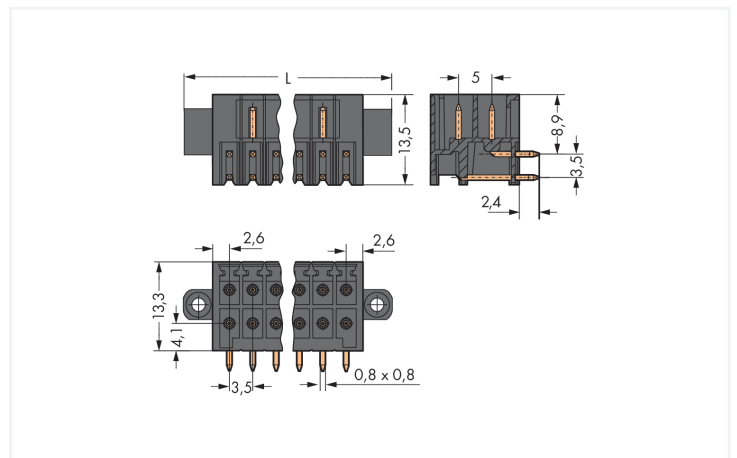
Similar to illustration



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, solder pin dimensions 0.8 x 0.8 mm

Our male connector (item number 713-1426/117-000/997-406) is designed for seamless electrical installations. The dimensions are (31.1 x 15.7 x 13.5) mm (width x height x depth).

The contact surface is coated with tin. THR is used to solder 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	12	Connection 1	
Number of connection types	1	Pole number	12
Number of levels	2		

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	31.1 mm / 1.224 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	44 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	9.12 MJ
Weight	4.5 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	4050821309819
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)	b0a5fb36-6724-4362-a842-3e40bb8b5dea
SCIP notification number (Belgium)	a237f34a-3f5a-4003-a016-25a69fba78e0
SCIP notification number (Bulgaria)	fee0aff4-42d1-4cc7-b272-f38b6e0f4616
SCIP notification number (Czech Republic)	a657f18a-6aaa-40c5-8de9-b3d2410231fb
SCIP notification number (Denmark)	e2b8f0cb-2f7a-4477-a228-10e66ed7f293
SCIP notification number (Finland)	22c2e46e-2e67-4d85-add5-534344441042
SCIP notification number (France)	e65c8b44-d348-4824-80dc-ef246f89fb5b
SCIP notification number (Germany)	643998a6-27a2-4b66-add3-1e55cdfda0a4
SCIP notification number (Hungary)	af2b5ae4-c0ef-4604-8b3e-35e6493e77e1
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SCIP notification number (Netherlands)	3c2cccd0-87e7-4821-81a9-2a5dc0fd78d4
SCIP notification number (Poland)	0d74d921-97ae-40e2-b68b-24940012cb81
SCIP notification number (Romania)	70fd22c4-a0c9-4de2-b34f-92d576a5a18d
SCIP notification number (Sweden)	8046b51f-9578-4ff6-9374-a6f236563091

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.: 713-1106/107-000

1-conductor female connector, 2-row; CA-GE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 12-pole; 100% protected against mismatching; Screw flange; black

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding

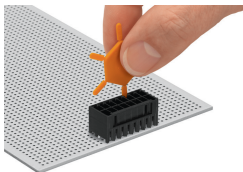


Item No.: 714-101

Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.