

Data Sheet | Item Number: 713-1424/117-000/997-406

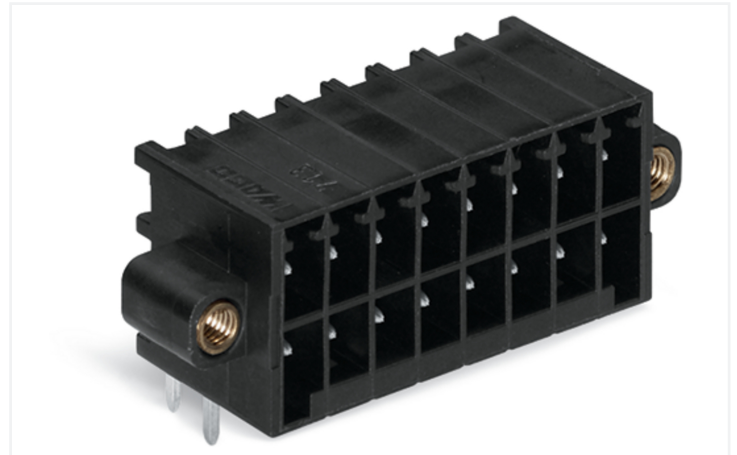
THR male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; in tape-and-reel packaging; Pin spacing 3.5 mm; 8-pole; black

<https://www.wago.com/713-1424/117-000/997-406>

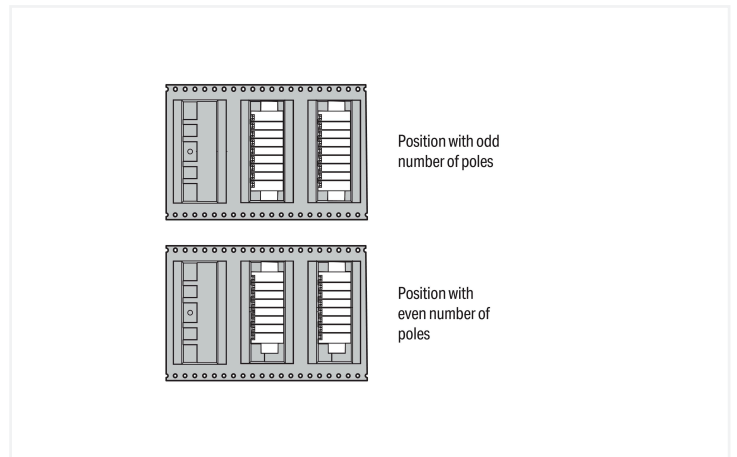
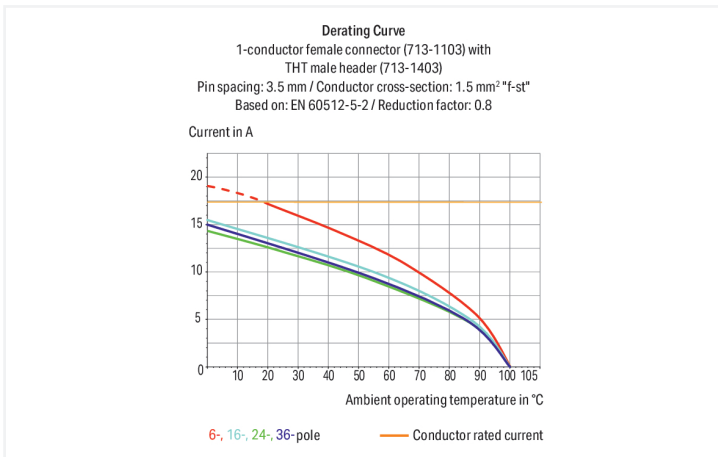


Color: ■ black

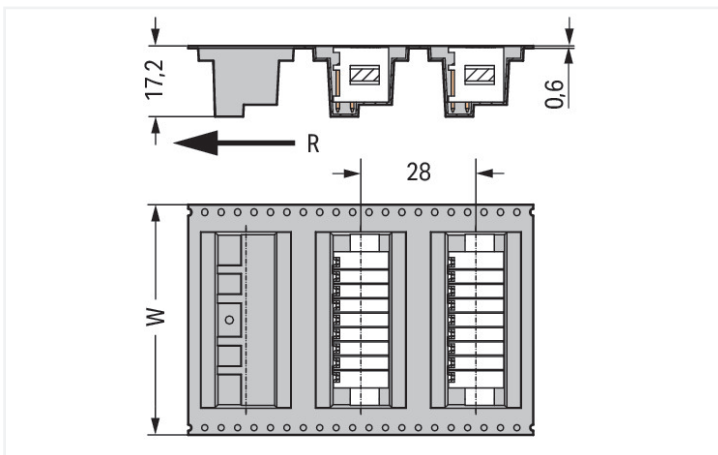
Similar to illustration



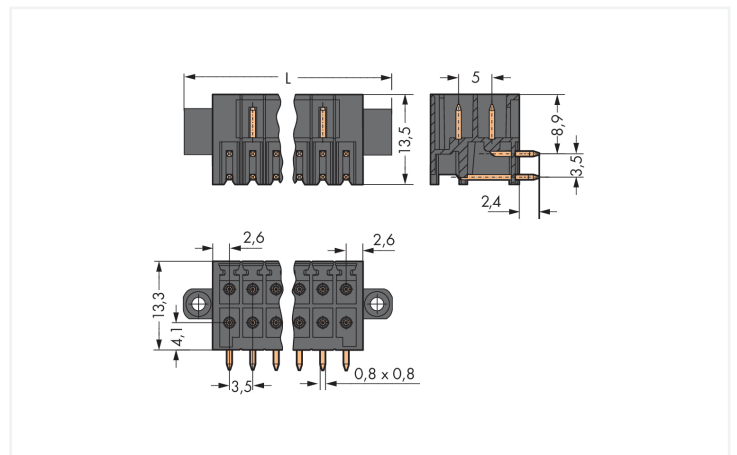
Similar to illustration



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, black

Seamless electrical installations are guaranteed with this male connector (item number 713-1424/117-000/997-406). The dimensions are (24.1 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	
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	13.5 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	6.84 MJ
Weight	3.2 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	4050821309796
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)	db0bdaa7-7c35-436c-8c4b-bee458e72692
SCIP notification number (Belgium)	881cc987-2080-46b2-8514-e3e681e725d3
SCIP notification number (Bulgaria)	98da7519-e234-4a64-b934-3d88f4a684dc
SCIP notification number (Czech Republic)	452fa46c-f73a-4ae9-b45d-d1088c9bf59
SCIP notification number (Denmark)	16949c2b-f94d-43b6-b536-1c4b3d3b0fd1
SCIP notification number (Finland)	299de067-7afa-45a0-91e8-173a8f12b920
SCIP notification number (France)	ecf5fa01-4f06-4efc-8b06-1aca109db533
SCIP notification number (Germany)	359e7088-af24-44e8-ae26-1166212c9e43
SCIP notification number (Hungary)	cf364b9d-5896-46a6-81d8-55ac1f4336b3
SCIP notification number (Italy)	a6489c2f-4050-4dbd-a683-0ff432482870
SCIP notification number (Netherlands)	8fbd55cd-3415-49b6-95e9-73743414eb85
SCIP notification number (Poland)	6730a462-7e0a-4c16-a1a8-665c62d62395
SCIP notification number (Romania)	7d1e37b1-e182-4b97-95fc-a16fae1d2d8f
SCIP notification number (Sweden)	ce40d6bb-21bf-476a-ba60-fdb474497cfa

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-102427	Railway WAGO GmbH & Co. KG	-	Z00004424.000
CSA CSA Group	C22.2	2315087			
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-133740			

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.: 713-1104/107-000

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

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding

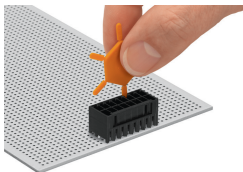


Item No.: 714-101

Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.