

Data Sheet | Item Number: 713-1423/117-000/997-405

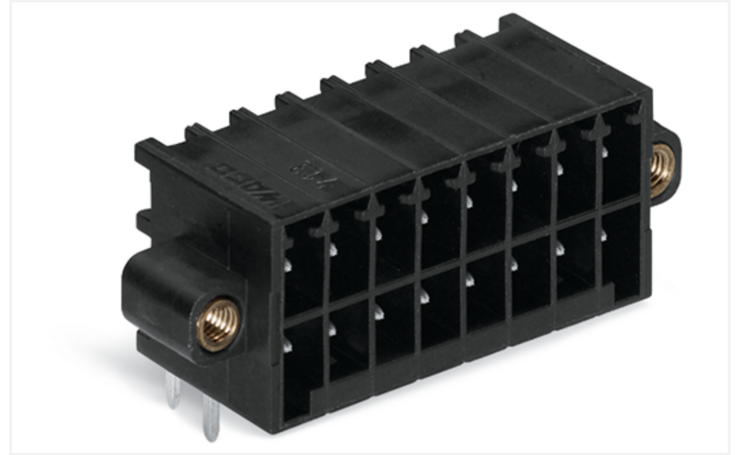
THR male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; Threaded flange; in tape-and-reel packaging; Pin spacing 3.5 mm; 6-pole; black



<https://www.wago.com/713-1423/117-000/997-405>

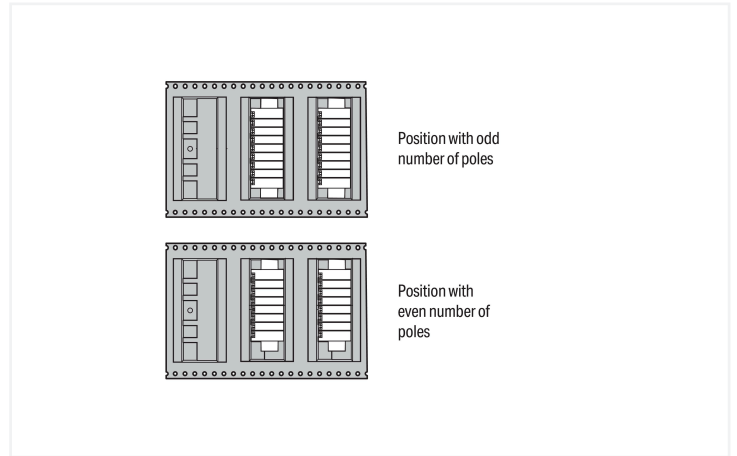
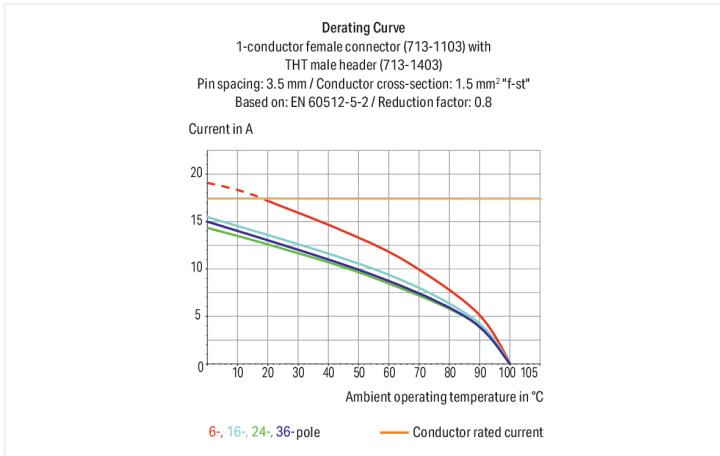


Color: ■ black

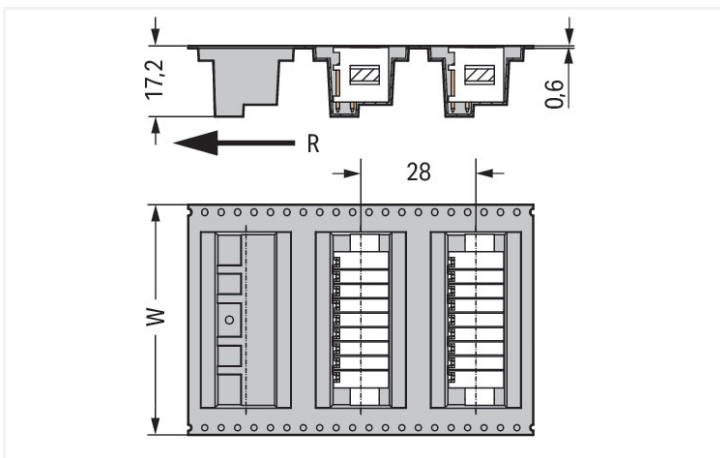


Similar to illustration

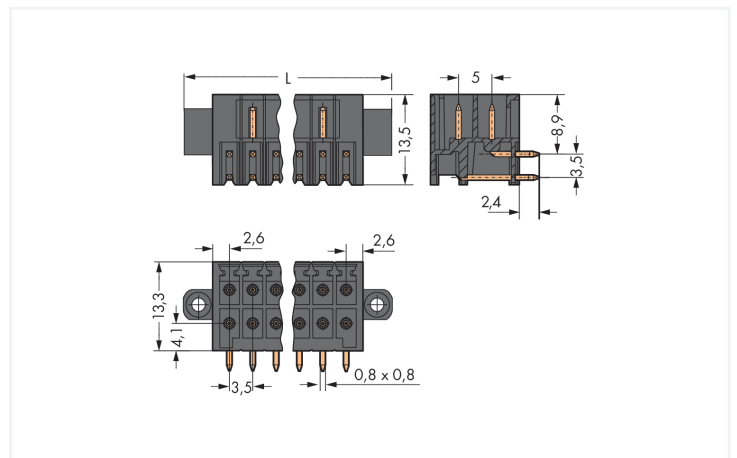
Similar to illustration



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, with 3.5 mm pin spacing

Our male connector (item number 713-1423/117-000/997-405) simplifies electrical installations. The dimensions are (20.6 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

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	6	Connection 1	
Number of connection types	1	Pole number	6
Number of levels	2		

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	20.6 mm / 0.811 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	32 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	0 MJ
Weight	2.6 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	4055143778831
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)	b15e581e-6a10-4184-a491-ac2d1dae0e98
SCIP notification number (Belgium)	91620f80-3ad8-40cb-a0b2-91e2ff29e892
SCIP notification number (Bulgaria)	c50539d7-2bef-480f-9a54-1ed0ec059416
SCIP notification number (Czech Republic)	92795903-e88d-4fe6-b6c8-d08e6f7a62db
SCIP notification number (Denmark)	84e07147-54e7-4906-ad5d-f3bf88615a46
SCIP notification number (Finland)	c05c943e-dd53-4b5d-9018-3489c19bb3ef
SCIP notification number (France)	51179bf5-3b18-4d8f-880c-69fa659b6610
SCIP notification number (Germany)	786bddbe-479d-4116-bb05-767c68376622
SCIP notification number (Hungary)	0e6943f4-1fd0-443d-86cc-2494447cd777
SCIP notification number (Italy)	5b0bce10-6b29-4ae9-9435-8336efca6e51
SCIP notification number (Netherlands)	c904549f-aec3-4544-ae17-ee510bdacbe3
SCIP notification number (Poland)	4a0f66fb-8fcf-4e02-9bf6-f80b894f440b
SCIP notification number (Romania)	e6c83b80-d1c1-4a48-81fb-1b2a03812e50
SCIP notification number (Sweden)	86400d0f-dec2-4192-a1cb-b515688d9954

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

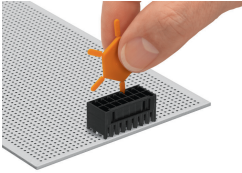


PCB Design



Installation Notes

Coding



Coding a male header by inserting a coding pin.