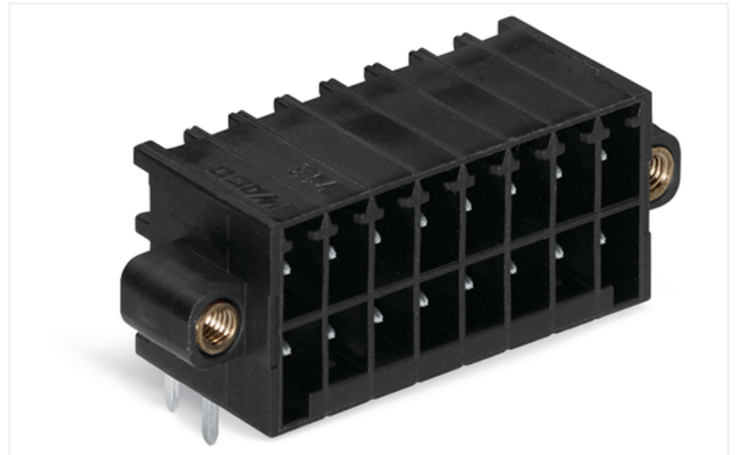


**Data Sheet | Item Number: 713-1432/117-000/997-408**

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; 24-pole; black

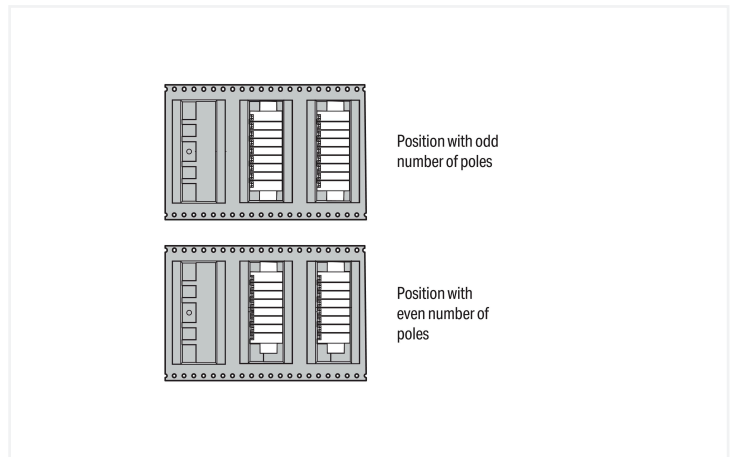
<https://www.wago.com/713-1432/117-000/997-408>



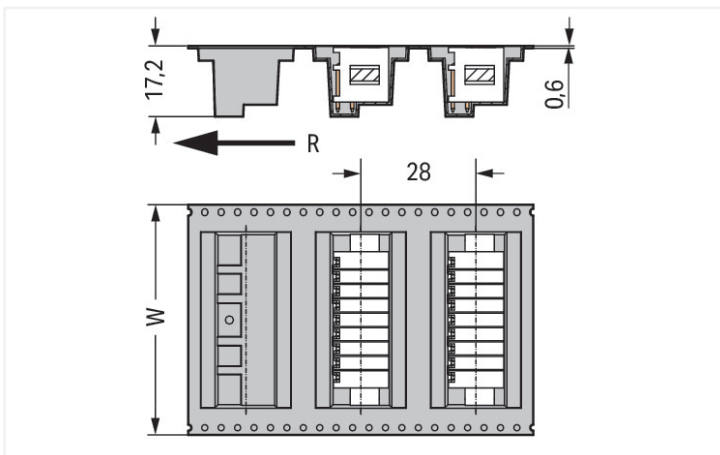
Color: ■ black

Similar to illustration

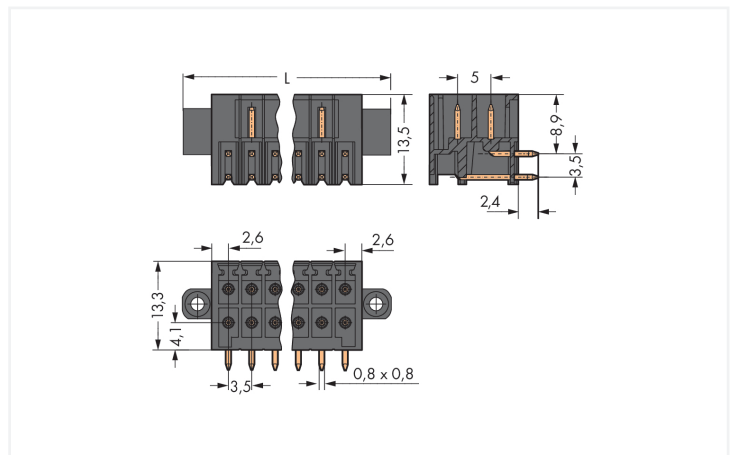
Similar to illustration



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

Fault-free electrical installations are guaranteed with this male connector (item number 713-1432/117-000/997-408). The dimensions are (52.1 x 15.7 x 13.5) mm (width x height x depth).

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

**Notes**

<p>Safety Information</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>Variants:</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 <a href="https://configurator.wago.com/">https://configurator.wago.com/</a>.</p>

**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**

<p>Total number of potentials 24</p> <p>Number of connection types 1</p> <p>Number of levels 2</p>	<p><b>Connection 1</b></p> <p>Pole number 24</p>
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**Physical data**

Pin spacing	3.5 mm / 0.138 inches
Width	52.1 mm / 2.051 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 <sup>(±0.1)</sup> mm
Reel diameter of tape-and-reel packaging	330 mm
Tape width	72 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
Mismatching 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)	<a href="#">Information on material specifications can be found here</a>
Color	black
Material group	I
Insulation material (main housing)	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact Plating	Tin
Fire load	0 MJ
Weight	7.7 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	4055143778862
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)	663f948f-c8f9-4d43-a05e-d3f10ea2734e
SCIP notification number (Belgium)	4c0c0804-9836-4e99-abbc-0f6a213e7e86
SCIP notification number (Bulgaria)	4f4f3711-2bad-4b6d-b3c8-bff79431ec5e
SCIP notification number (Czech Republic)	d5c4d3bf-7bbe-4f80-a6c2-3fe46bcecf05
SCIP notification number (Denmark)	c199f763-cf89-42e6-bcf6-803396b8c75f
SCIP notification number (Finland)	df1d31c6-3b39-4f46-800e-4ef9758ea8da
SCIP notification number (France)	f988d5d9-1aa1-4ae0-b1d2-19a89a46c52d
SCIP notification number (Germany)	89f336fc-9022-4176-87de-35fac6098eb9
SCIP notification number (Hungary)	61ed2bf3-4d74-4eaf-a37c-20aadf8a4d6f
SCIP notification number (Italy)	f595b5ff-008f-4c87-8511-c119422c3de4
SCIP notification number (Netherlands)	cd0c6a90-c363-4036-96ea-17118ff33208
SCIP notification number (Poland)	882fc366-8b0a-4aff-8a90-b31bc891a9d7
SCIP notification number (Romania)	477cad72-5e8f-4294-9b75-d5516f4d5f98
SCIP notification number (Sweden)	f688f3ed-9132-421d-a35b-e411e5638ffb

**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

**Downloads**

**Environmental Product Compliance**

Compliance Search

[↓](#)

**Documentation**

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	<a href="#">↓</a>
		pdf 535.32 KB	<a href="#">↓</a>

### CAD/CAE-Data

CAD data

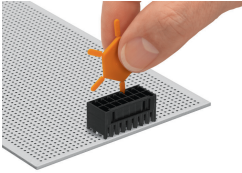


PCB Design



### Installation Notes

#### Coding



Coding a male header by inserting a coding pin.