

**Data Sheet | Item Number: 713-1434/117-000/997-408**

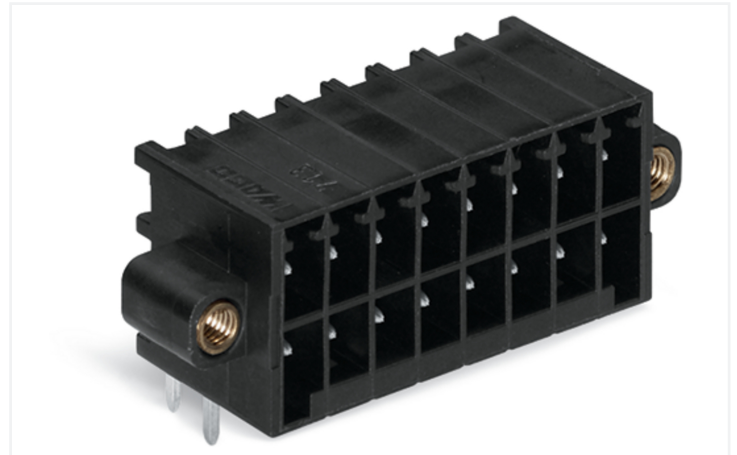
THR male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; in tape-and-reel packaging; Pin spacing 3.5 mm; 28-pole; black

<https://www.wago.com/713-1434/117-000/997-408>

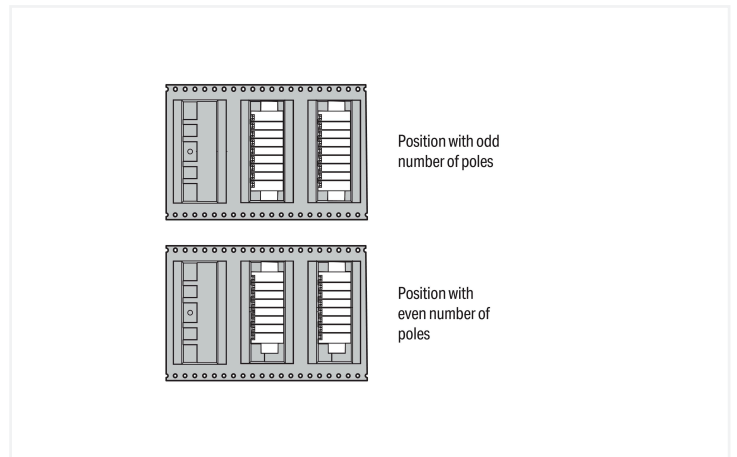
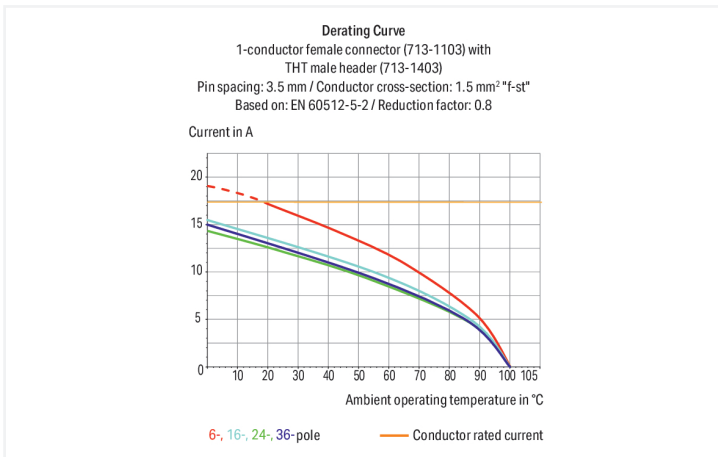


Color: ■ black

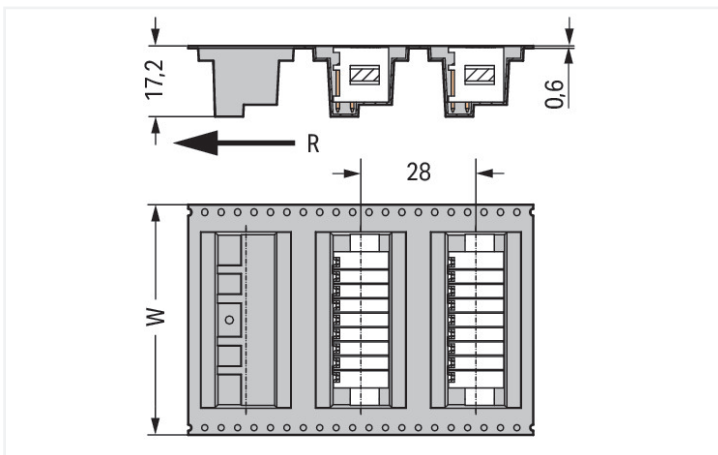
Similar to illustration



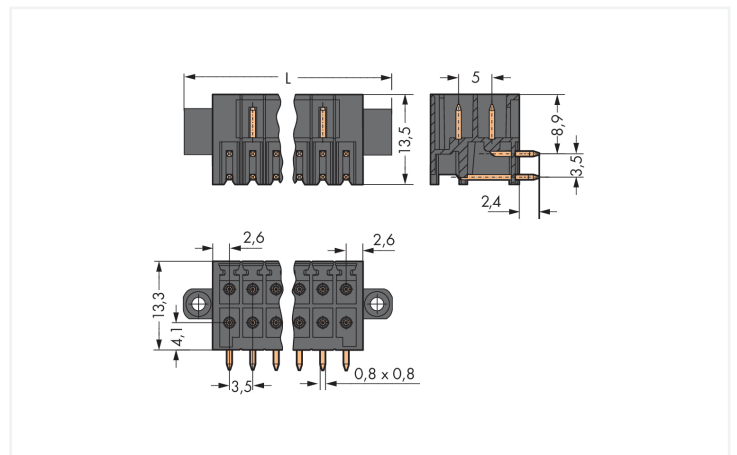
Similar to illustration



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

This male connector (item number 713-1434/117-000/997-408) simplifies electrical installations. The dimensions are (59.1 x 15.7 x 13.5) mm (width x height x depth).

The contact surface is coated with tin. 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		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	80 V	160 V	250 V
Rated impulse withstand voltage	2.5 kV	2.5 kV	2.5 kV
Rated current	10 A	10 A	10 A

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	150 V	50 V	-
Rated current	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	28
Number of connection types	1
Number of levels	2

Connection 1	
Pole number	28

**Physical data**

Pin spacing	3.5 mm / 0.138 inches
Width	59.1 mm / 2.327 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	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
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)	<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	8.8 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	4055143778879
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)	f40cadb1-498d-4572-b8b7-f82693840db6
SCIP notification number (Belgium)	3c71d9dc-bdd7-4853-89d1-4ba30b459341
SCIP notification number (Bulgaria)	7b7d07fe-71d3-450e-b57c-45fb305534fc
SCIP notification number (Czech Republic)	4419a2d7-424f-4c47-bb6c-5e293aeab5eb
SCIP notification number (Denmark)	5b041ad7-0a74-42a5-bc1b-c060a4dcbe81
SCIP notification number (Finland)	31c1a0b3-c7c4-4184-820c-70f127909e67
SCIP notification number (France)	e6901eb9-e5fc-4640-9b11-dc63484cb2d9
SCIP notification number (Germany)	f1c91cf6-29c0-487e-b1f2-508046f27f48
SCIP notification number (Hungary)	3c2a3a5d-5892-4ac1-871d-184273277fa4
SCIP notification number (Italy)	38c28375-7866-4b8d-9588-d4f4dfdb5d14
SCIP notification number (Netherlands)	b0d92ffb-a685-43ee-b76c-ae4f67ea3e4c
SCIP notification number (Poland)	f0a72fa1-f28a-4ded-8453-6e426e72e29a
SCIP notification number (Romania)	92204154-79e1-4f8f-9a66-547a3dc68b0f
SCIP notification number (Sweden)	d23e19ec-2af1-434b-807d-eec996a345ba

**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	
		pdf 535.32 KB	

### CAD/CAE-Data

CAD data

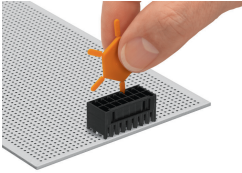


PCB Design



### Installation Notes

Coding



Coding a male header by inserting a coding pin.