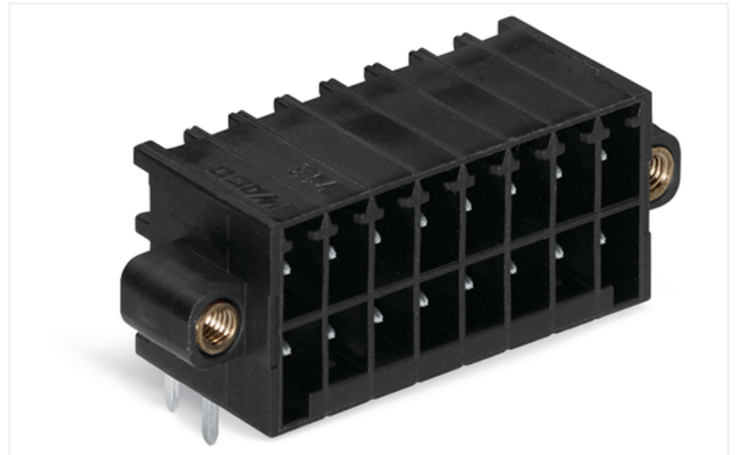


Data Sheet | Item Number: 713-1436/117-000/997-409

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; 32-pole; black

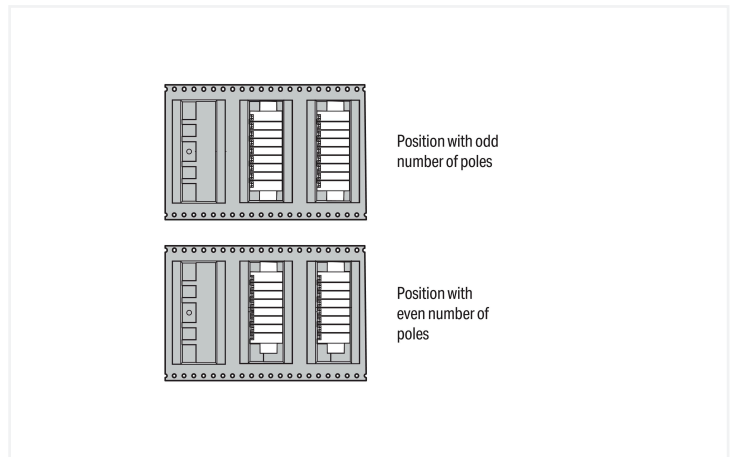
<https://www.wago.com/713-1436/117-000/997-409>



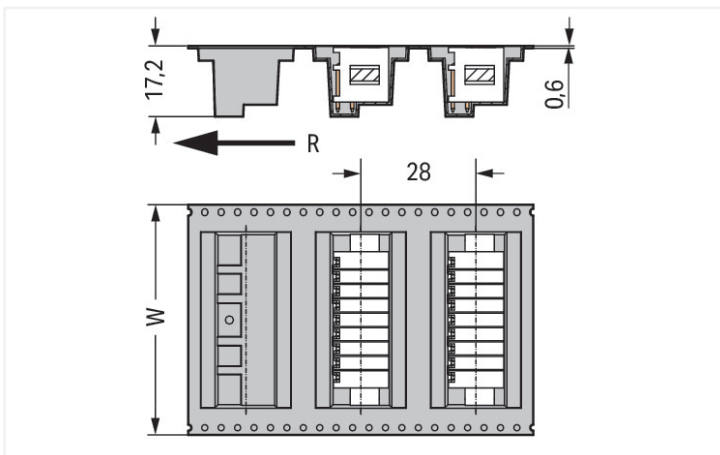
Color: ■ black

Similar to illustration

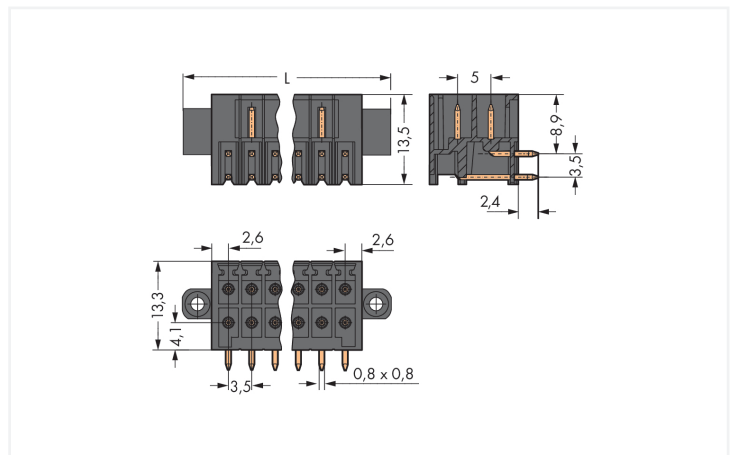
Similar to illustration



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 713-1436/117-000/997-409) is designed for hassle-free electrical installations. Dimensions: (66.1 x 15.7 x 13.5) mm (width x height x depth).

The contact surface is coated with tin. The pcb connector is designed for THR soldering.

Notes

<p>Safety Information</p> <p>Variants:</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>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/.</p>
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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	32	Connection 1	
Number of connection types	1	Pole number	32
Number of levels	2		

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	66.1 mm / 2.602 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	88 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	9.9 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	4055143778893
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)	fc531e98-e3af-45f2-a2e5-c9e04f4e504a
SCIP notification number (Belgium)	aff38231-266e-42ca-82e2-d561f10630a3
SCIP notification number (Bulgaria)	c2f2c294-24cf-4de5-86ed-82842b1a3fef
SCIP notification number (Czech Republic)	16e450a2-601f-45e5-be74-dc4a5af6cf10
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SCIP notification number (Finland)	4046a221-a0ed-4712-a3b6-cafd2a9d4559
SCIP notification number (France)	22e159b4-9ede-4c22-9149-b8e953928440
SCIP notification number (Germany)	e25c1b9e-a109-446d-a6b8-2920bea7fcac
SCIP notification number (Hungary)	362a8cc0-abed-4c75-bd4d-72d88657c745
SCIP notification number (Italy)	5dc110ab-5e13-4857-a730-2044339eaa6e
SCIP notification number (Netherlands)	8ea510a9-cc62-4c19-b18b-89208dedc8f8
SCIP notification number (Poland)	122c7a5d-a3e4-46ae-85b5-f727095072f1
SCIP notification number (Romania)	267c383a-b463-406e-a0e4-b7c890ec6c87
SCIP notification number (Sweden)	91a9b869-9131-4e8e-ab6f-f5c287220685

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

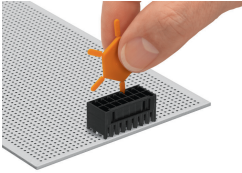


PCB Design



Installation Notes

Coding



Coding a male header by inserting a coding pin.