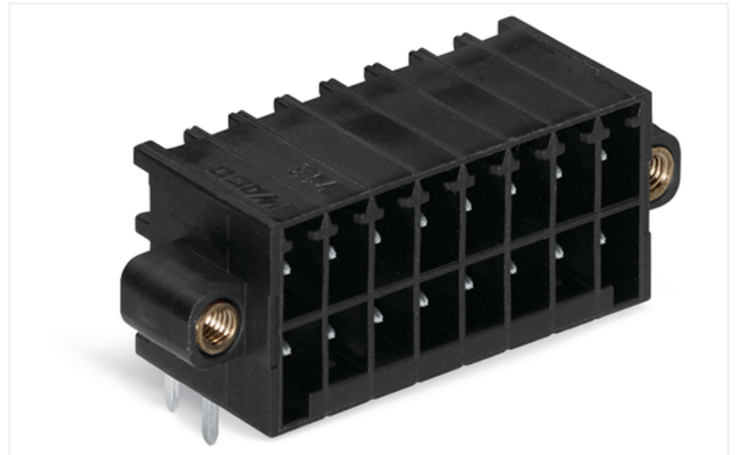


Data Sheet | Item Number: 713-1435/117-000/997-409

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; 30-pole; black

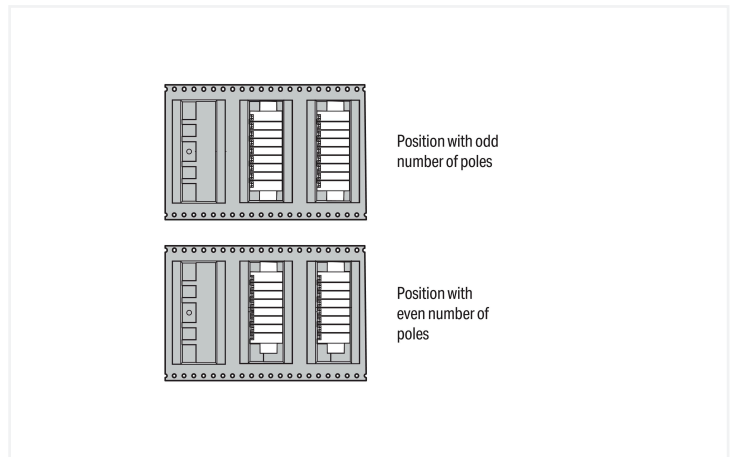
<https://www.wago.com/713-1435/117-000/997-409>



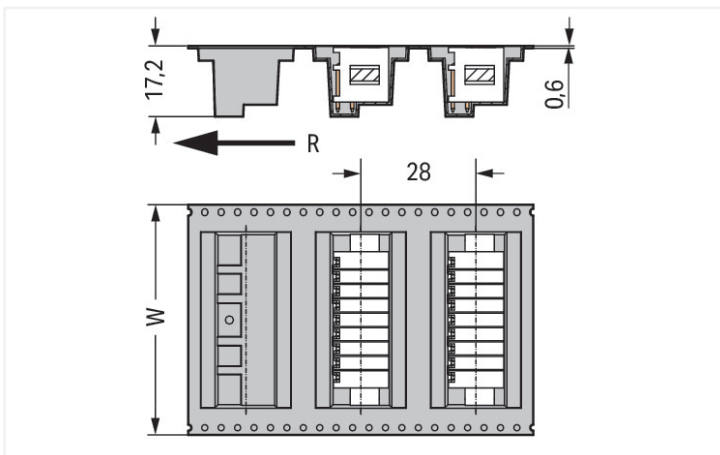
Color: ■ black

Similar to illustration

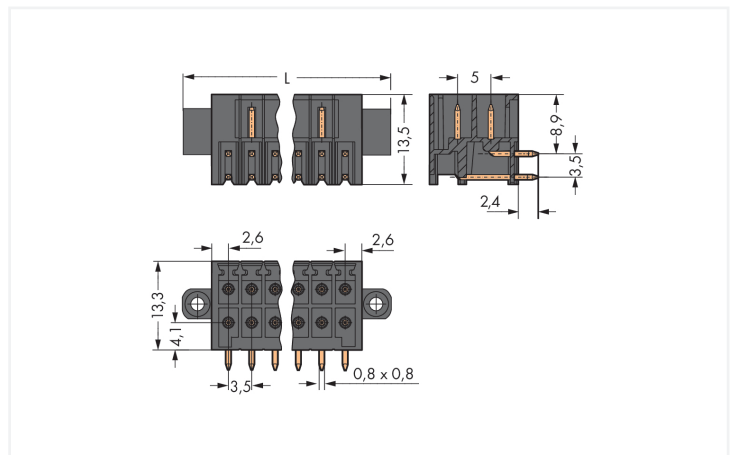
Similar to illustration



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, with 3.5 mm pin spacing

Effortless electrical installations are guaranteed with this male connector (item number 713-1435/117-000/997-409). The item's dimensions are (62.6 x 15.7 x 13.5) mm (width x height x depth).

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

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	30	Connection 1
Number of connection types	1	Pole number
Number of levels	2	30

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	62.6 mm / 2.465 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	9.3 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	4055143778886
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)	52ad6751-b0ca-461c-88ba-727fb3616e4a
SCIP notification number (Belgium)	ba5976e2-78e7-4b8a-886e-b715c5b4a78b
SCIP notification number (Bulgaria)	d9f1c323-f20a-4e1e-9cf6-f13ea1afd649
SCIP notification number (Czech Republic)	e61a4a8d-6c6b-4574-a399-5fc353792b91
SCIP notification number (Denmark)	d2dc8317-0fe4-41a9-90c1-a6379a4e549e
SCIP notification number (Finland)	748b597e-7dd8-491c-aef0-88b8decd698f
SCIP notification number (France)	ca8c6e50-c6f2-405b-adb7-a5a1be84ee8e
SCIP notification number (Germany)	c7263289-d6c5-4b99-8331-b63e0a5d5570
SCIP notification number (Hungary)	3171be77-a3cf-4ed8-a773-979f28a28e3f
SCIP notification number (Italy)	21612cc2-c0f8-4769-b018-d4b4cbeefe60
SCIP notification number (Netherlands)	0c771542-3fa2-42fd-895a-2a8b4e479336
SCIP notification number (Poland)	a54c286b-8c7c-4e24-a425-e2268bce3660
SCIP notification number (Romania)	739730ff-2834-4987-82f8-d9cddeeb7784
SCIP notification number (Sweden)	03ae8764-c98f-48a7-8dfc-1d5609829637

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

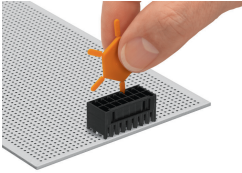


PCB Design



Installation Notes

Coding



Coding a male header by inserting a coding pin.