

Data Sheet | Item Number: 713-1427/117-000/997-407

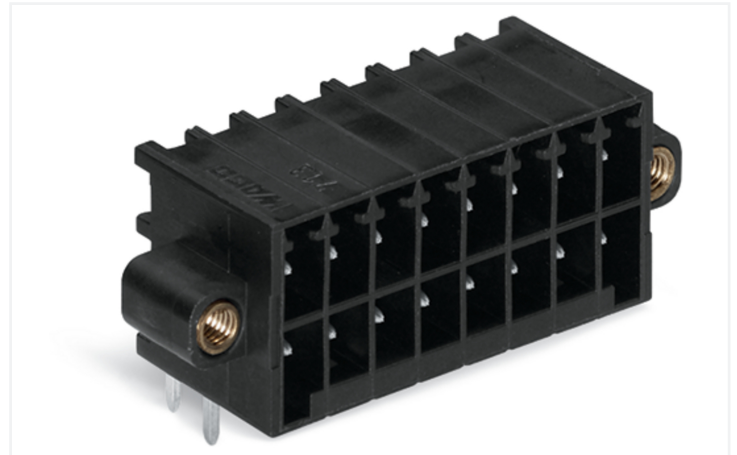
THR male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; in tape-and-reel packaging; Pin spacing 3.5 mm; 14-pole; black

<https://www.wago.com/713-1427/117-000/997-407>

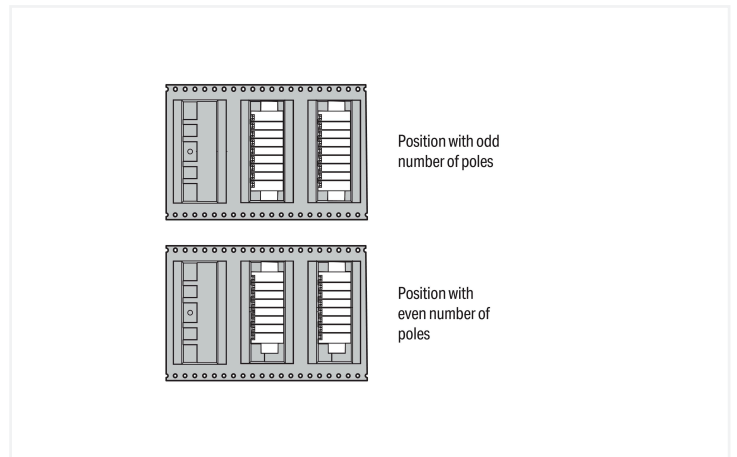
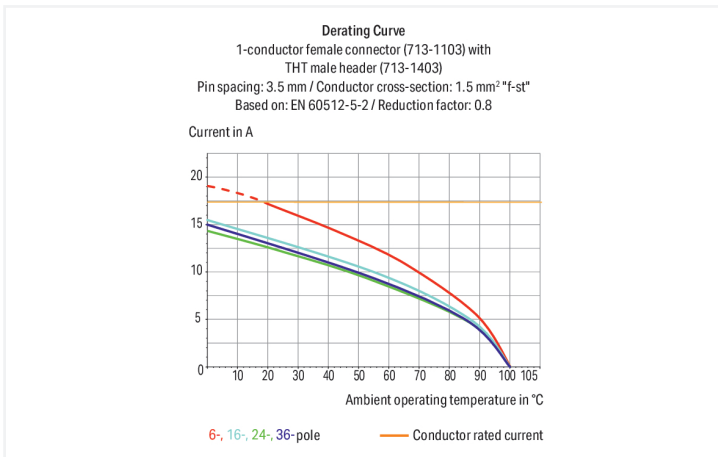


Color: ■ black

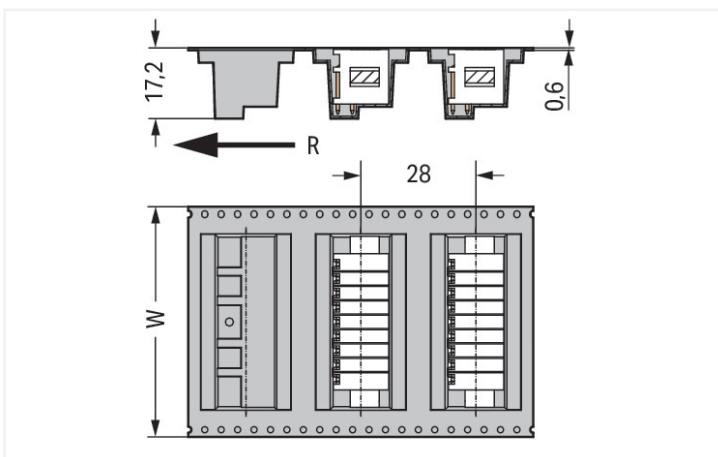
Similar to illustration



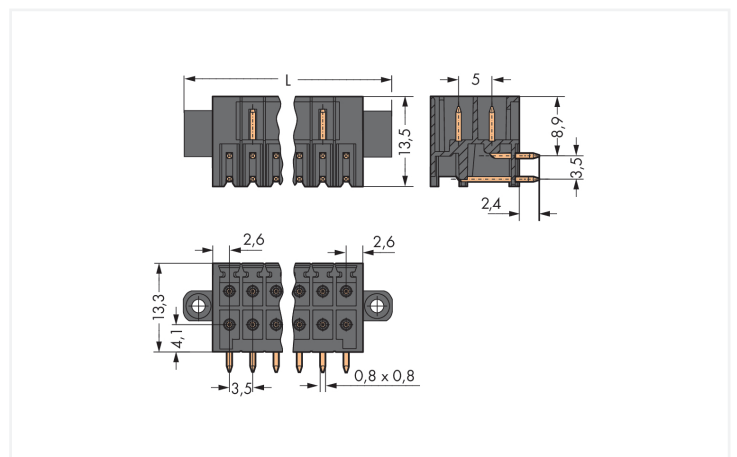
Similar to illustration



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 713-1427/117-000/997-407) simplifies electrical installations. The dimensions are (34.6 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	
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	14	Connection 1	
Number of connection types	1	Pole number	14
Number of levels	2		

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	34.6 mm / 1.362 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	56 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	10.32 MJ
Weight	4.9 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	4050821309826
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)	a5d31142-dcb9-4baf-9034-e145d83a3baf
SCIP notification number (Belgium)	1a802f78-443e-439a-9c47-a2d61e244775
SCIP notification number (Bulgaria)	f43aeb2d-1a4b-4221-837f-91b1774dd3ec
SCIP notification number (Czech Republic)	8b30a699-8045-4209-9686-299d7e904d0a
SCIP notification number (Denmark)	2ba1cec6-ca9e-4406-a619-9728e3776648
SCIP notification number (Finland)	e1a524ff-a25a-48c9-a643-08dff87ca310
SCIP notification number (France)	a212e366-e039-4584-bfe9-994cc278c137
SCIP notification number (Germany)	c26d711d-099c-4419-b47c-440c8cbd7e78
SCIP notification number (Hungary)	a91250f6-de93-4127-b1d4-1b529d8c06d8
SCIP notification number (Italy)	ce3b15e5-3288-4b4a-a8d3-6a1b0a9fb89b
SCIP notification number (Netherlands)	818223c0-6ccd-481a-b693-8e6684c3d8e6
SCIP notification number (Poland)	ac2b91d3-38aa-4a94-a423-5d665f9cd6ea
SCIP notification number (Romania)	475ac875-db45-45cb-be21-537be82b19e7
SCIP notification number (Sweden)	50ed19d4-ca0e-4e21-9041-bbee83efe6f0

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-102427	Railway WAGO GmbH & Co. KG	-	Z00004424.000
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



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: [713-1107/107-000](#)

1-conductor female connector, 2-row; CA-GE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 14-pole; 100% protected against mismatching; Screw flange; black

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding

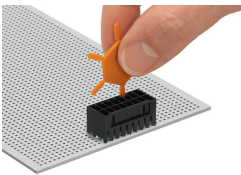


Item No.: [714-101](#)

Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.