

Data Sheet | Item Number: 713-1404/105-000

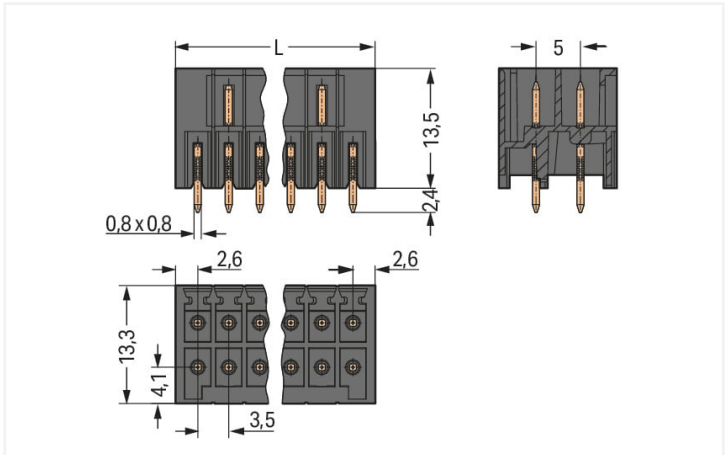
THR male header, 2-row; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; Pin spacing 3.5 mm; 8-pole; black

<https://www.wago.com/713-1404/105-000>

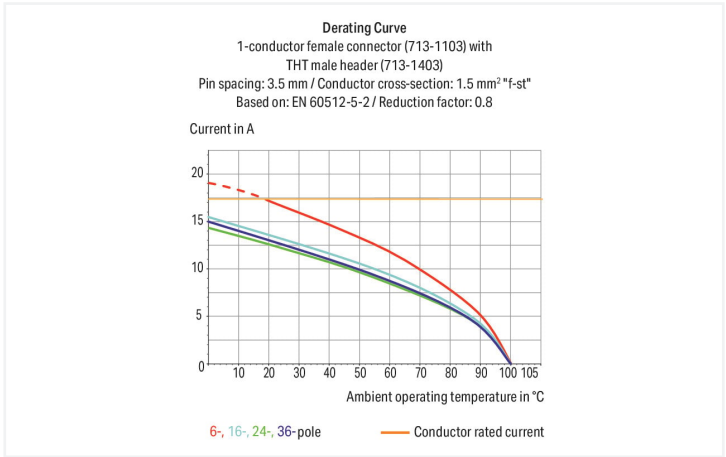
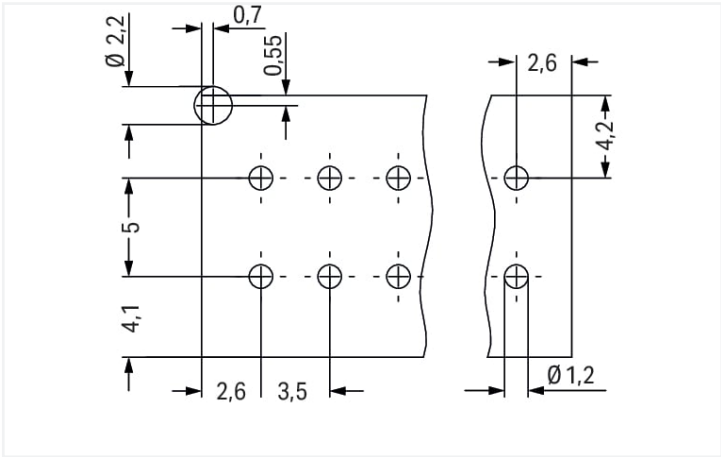


Color: ■ black

Similar to illustration



Dimensions in mm
 $L = [(pole\ no./2) - 1] \times pin\ spacing + 5.2\ mm$



- THR male headers for reflow soldering in SMT applications
- Available in tape-and-reel packaging for automated pick-and-place PCB assembly
- Separated pin slots prevent damage and make the headers touch-proof when unplugged
- 100% protected against mismatching
- Coding option available

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 surge 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	8	Connection 1	
Number of connection types	1	Pole number	8
Number of levels	2		

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	15.5 mm / 0.61 inches
Height	15.9 mm / 0.626 inches
Height from the surface	13.5 mm / 0.531 inches
Depth	13.3 mm / 0.524 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

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	90 °

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	Polyphthalamide (PPA GF)	
Flammability class per UL94	V0	
Contact material	Electrolytic copper (E _{CU})	
Contact plating	Tin	
Fire load	0.05 MJ	
Weight	2.3 g	
MSL per J-STD 020D	1	

Environmental requirements		
Limit temperature range	-60 ... +100 °C	
Processing temperature	-35 ... +60 °C	

Commercial data		
Product Group	3 (Multi Conn. System)	
eCl@ss 10.0	27-44-04-02	
eCl@ss 9.0	27-44-04-02	
ETIM 8.0	EC002637	
ETIM 7.0	EC002637	
PU (SPU)	50 pcs	
Packaging type	Box	
Country of origin	PL	
GTIN	4050821155676	
Customs tariff number	85366930000	

Environmental Product Compliance		
RoHS Compliance Status	Compliant, No Exemption	

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CSA CSA Group	C22.2	2315087
UR Underwriters Laboratories Inc.	UL 1059	E45172



Downloads			
Environmental Product Compliance			
Compliance Search			
Environmental Product Compliance	713-1404/105-000		

Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 2010.85 KB	
		pdf 535.32 KB	

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models	713-1404/105-000	ZUKEN Portal	713-1404/105-000

1 Compatible Products
1.1 System counterpart
1.1.1 Female connector/socket



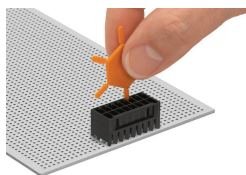
Item No.: 713-1104
1-conductor female connector, 2-row; CA-GE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 8-pole; 100% protected against mismatching; 1,50 mm²; black

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.