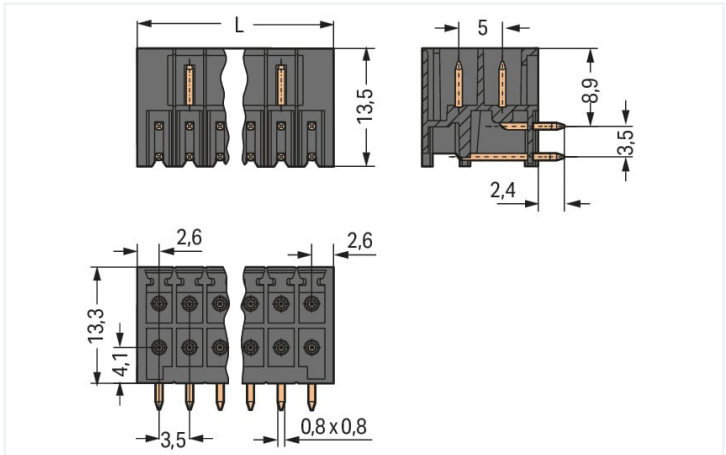


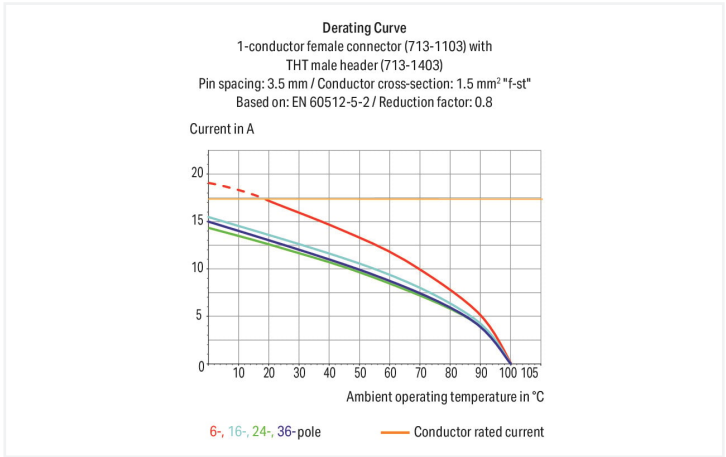
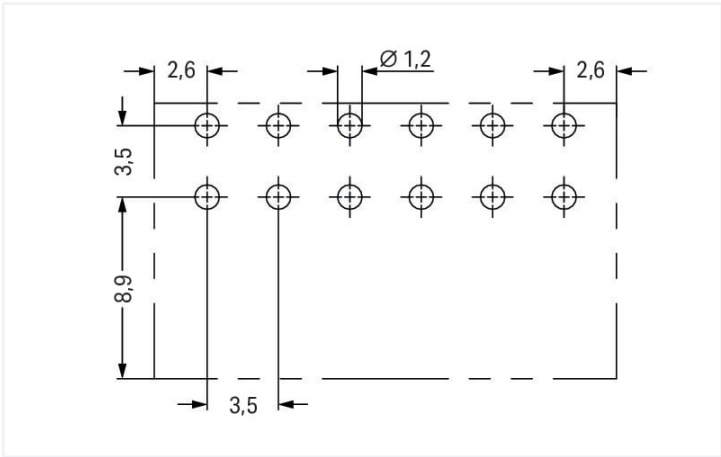


Color: ■ black

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		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	80 V	160 V	250 V	
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	-	-	
Approvals per				
		UL 1059		
Use group		B	C	D
Rated voltage		150 V	50 V	-
Rated current		10 A	10 A	-
Connection data				
Total number of potentials	20	Connection 1		
Number of connection types	1	Pole number	20	
Number of levels	2			
Physical data				
Pin spacing			3.5 mm / 0.138 inches	
Width			36.5 mm / 1.437 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	
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 °	
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	0.108 MJ
Weight	5.9 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)	25 pcs
Packaging type	Box
Country of origin	PL
GTIN	4050821157175
Customs tariff number	85366930000

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
UR Underwriters Laboratories Inc.	UL 1059	E45172



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
713-1430/105-000

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Documentation

Additional Information

Technical Section

03.04.2019

pdf
2010.85 KB

↓

pdf
535.32 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models
713-1430/105-000

↓

CAE data

ZUKEN Portal
713-1430/105-000

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1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 713-1110](#)
1-conductor female connector, 2-row; CA-GE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 20-pole; 100% protected against mismatching; 1,50 mm²; black

1.2 Optional Accessories

1.2.1 Coding

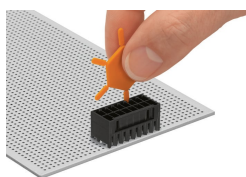
1.2.1.1 Coding



[Item No.: 714-101](#)
Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.