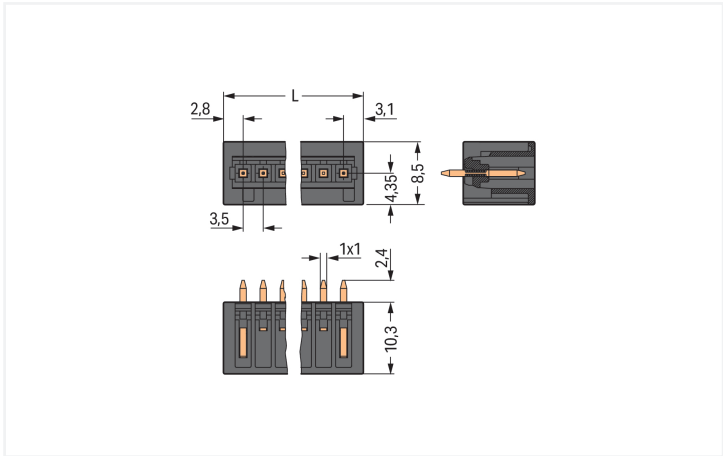
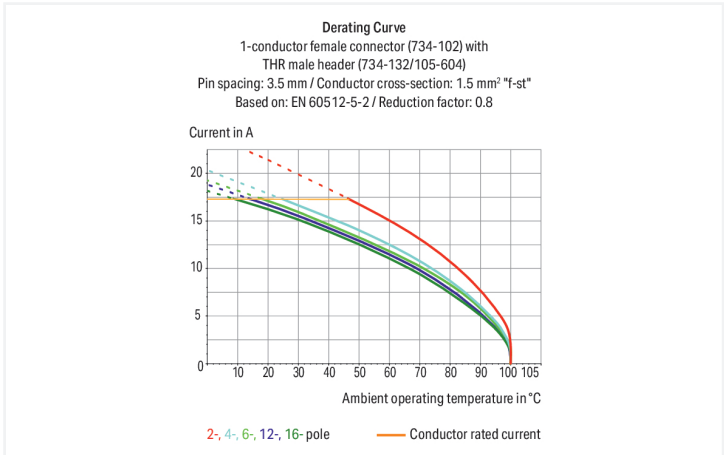


Data Sheet | Item Number: 734-133/105-604/997-405
THR male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mis-mating; in tape-and-reel packaging; Pin spacing 3.5 mm; 3-pole; black
<https://www.wago.com/734-133/105-604/997-405>

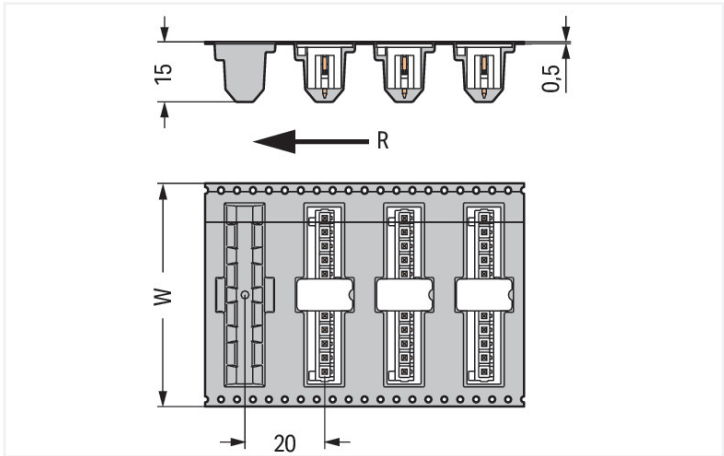


Color: ■ black

Similar to illustration



Dimensions in mm
L = (pole no. – 1) x pin spacing + 5.9 mm



Dimensions in mm
W = tape width R = feed direction

Male connector, 734 Series, solder pin dimensions 1 x 1 mm

Our male connector (item number 734-133/105-604/997-405) ensures effortless electrical installations. The dimensions are (12.9 x 12.7 x 8.5) mm (width x height x depth).

The contact surface is coated with tin. THR is used to assemble the pcb connector.



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	300 V	-	300 V
Nominal voltage	160 V	160 V	320 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	300 V	-	300 V					
Rated current	10 A	-	10 A					

Connection Data		
Total number of potentials	3	
Number of connection types	1	
Number of levels	1	
Connection 1		
Pole number	3	

Physical data	
Pin spacing	3.5 mm / 0.138 inches
Width	12.9 mm / 0.508 inches
Height	12.7 mm / 0.5 inches
Height from the surface	10.3 mm / 0.406 inches
Depth	8.5 mm / 0.335 inches
Solder pin length	2.4 mm
Solder pin dimensions	1 x 1 mm
Plated through-hole diameter (THR)	1.4 (+0.1) mm
Reel diameter of tape-and-reel packaging	330 mm
Tape width	32 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 (main housing)		Polyphthalamide (PPA GF)
Flammability class per UL94		V0
Contact material		Electrolytic copper (E _{Cu})
Contact Plating		Tin
Fire load		0.026 MJ
Weight		0.8 g
MSL per J-STD 020D		1

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

Commercial data		
PU (SPU)		200 pcs
Packaging type		Bag
Country of origin		DE
GTIN		4044918944946
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,No Exemption

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	CAE data

PCB Design

1 Compatible Products
1.1 System counterpart
1.1.1 Female connector/socket

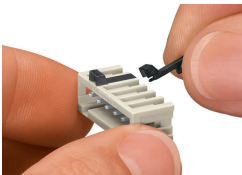
Item No.: 734-103
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismatching; light gray

1.2 Optional Accessories
1.2.1 Coding
1.2.1.1 Coding

[Item No.: 734-159](#)
Coding key; to be snapped above top level; black

Installation Notes

Coding



Coding a male header – fitting coding key(s).