

Data Sheet | Item Number: 733-366/105-604/997-406

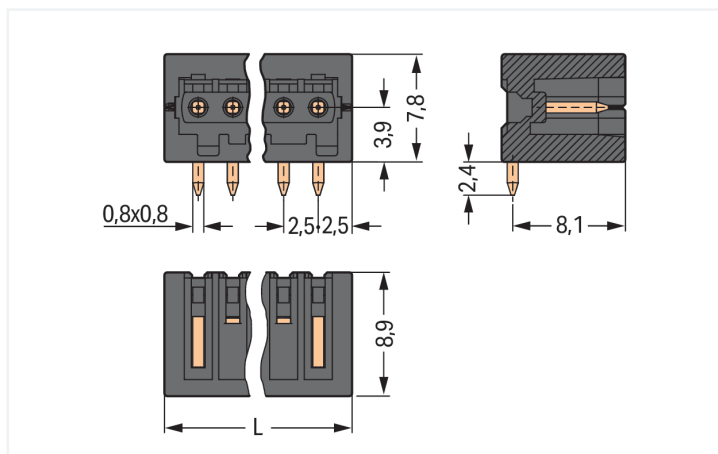
THR male header; 0.8 x 0.8 mm solder pin; angled; 100% protected against mis-mating; in tape-and-reel packaging; Pin spacing 2.5 mm; 6-pole; black

<https://www.wago.com/733-366/105-604/997-406>



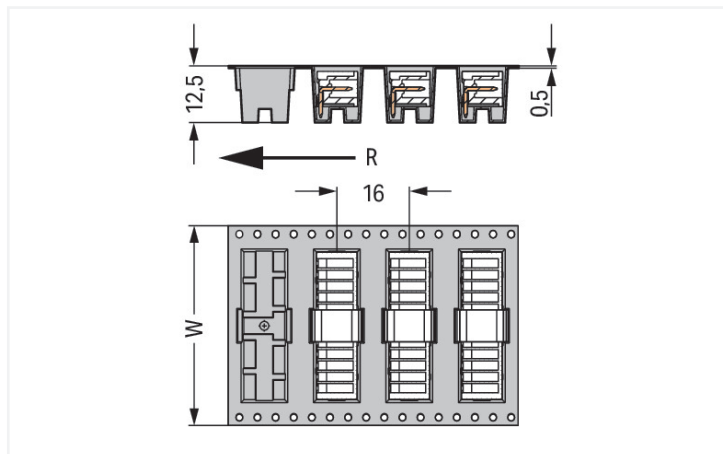
Color: ■ black

Similar to illustration



Dimensions in mm

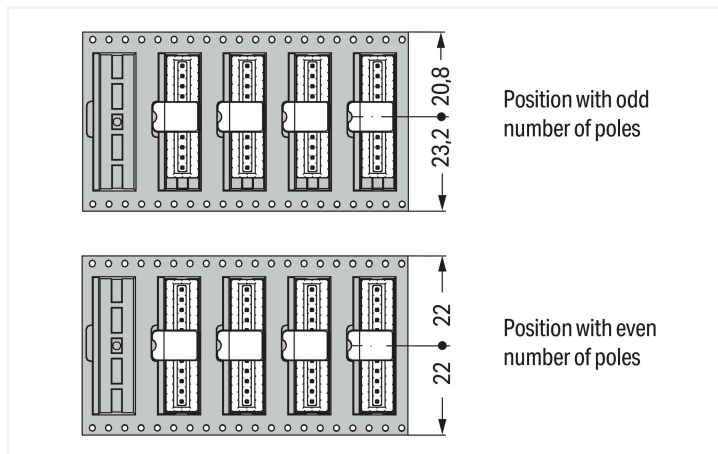
L = (pole no. + 1) x pin spacing



Dimensions in mm

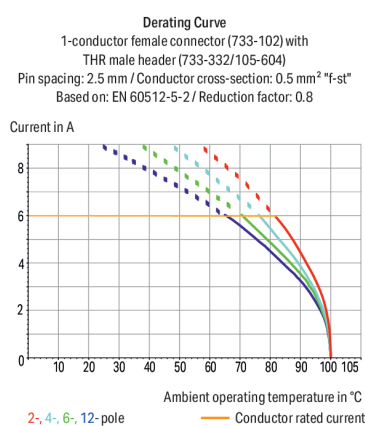
W = tape width

R = feed direction



Dimensions in mm

Pin position in tape-and-reel packaging



Stiftleiste Serie 733 mit Lötstiftabmessungen 0,8 x 0,8 mm

Bei dieser Stiftleiste (Artikelnummer 733-366/105-604/997-406) ist eine ordentliche Elektroinstallation der Schwerpunkt. Unsere Leiterplatten-Steckverbinder ermöglichen Ihnen die größtmögliche Flexibilität bei unterschiedlichen Montagearten. Die Abmessungen sind in Breite x Höhe x Tiefe (17,5 x 10,2 x 8,9) mm. Die Oberfläche der Kontakte ist aus Zinn. Das MCS – "Multi Connection System" von WAGO umfasst insgesamt 7 Familien in den Rastermaßen 2,5 mm bis 10,16 mm und bietet mit dem Leiterquerschnittsbereich von 0,08 bis 25 mm² ein großes Portfolio an Einsatzmöglichkeiten. Die Verlötung des Leiterplatten-Steckverbinders erfolgt mittels THR.



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	-	-
Nominal voltage	80 V	160 V	320 V		Rated current	4 A	-	-
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV					
Rated current	6 A	6 A	6 A					
Approvals per		CSA						
Use group	B	C	D					
Rated voltage	150 V	-	-					
Rated current	4 A	-	-					

Connection data		
Total number of potentials	6	
Number of connection types	1	
Number of levels	1	

Connection 1	
Pole number	6

Physical data	
Pin spacing	2.5 mm / 0.098 inches
Width	17.5 mm / 0.689 inches
Height	10.2 mm / 0.402 inches
Height from the surface	7.8 mm / 0.307 inches
Depth	8.9 mm / 0.35 inches
Solder pin length	2.4 mm
Solder pin dimensions	0.8 x 0.8 mm
Plated through-hole diameter (THR)	1.2 (+0.1) mm
Reel diameter of tape-and-reel packaging	330 mm
Tape width	44 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 (main housing)	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{Cu})
Contact Plating	Tin
Fire load	0.023 MJ
Weight	1 g
MSL per J-STD 020D	1

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

Commercial data	
PU (SPU)	300 pcs
Packaging type	Bag
Country of origin	DE
GTIN	4045454815097
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 8.0	EC002637
ECCN	NO US CLASSIFICATION



Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates
General approvals



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

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.: 733-106
1-conductor female connector; CAGE CLAMP®; 0.5 mm²; Pin spacing 2.5 mm; 6-pole; 100% protected against mismatching; 0,50 mm²; light gray

1.2 Optional Accessories

1.2.1 Coding

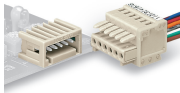
1.2.1.1 Coding



Item No.: 733-331
Coding key; snap-on type; black

Installation Notes

Mismatching protection



Male headers and female connectors are 100% protected against mismatching. Only mating halves with the same pole number can be connected.

Coding



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