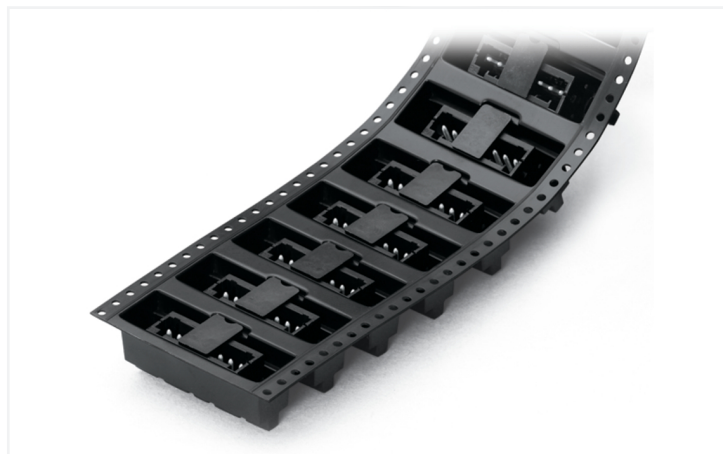


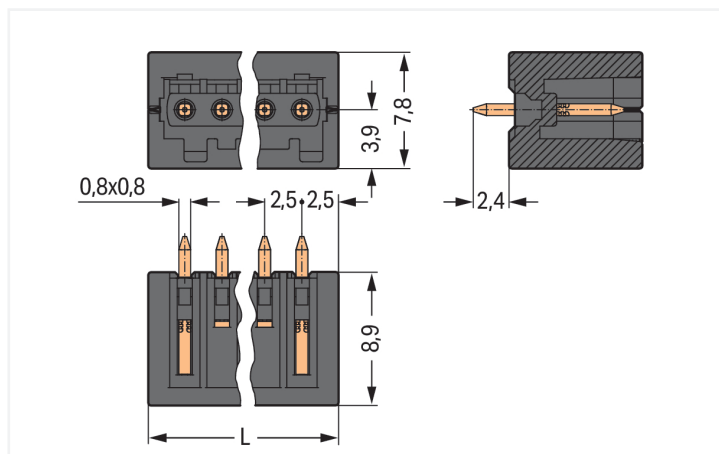
Data Sheet | Item Number: 733-338/105-604/997-446

THR male header; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; in tape-and-reel packaging; Pin spacing 2.5 mm; 8-pole; black

<https://www.wago.com/733-338/105-604/997-446>

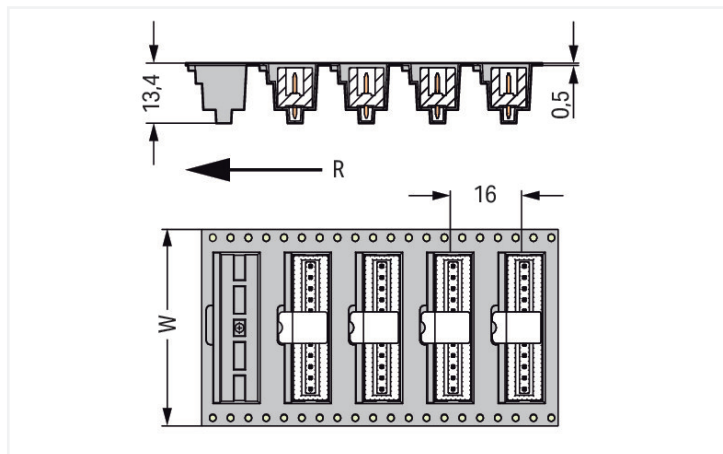


Color: ■ black



Dimensions in mm

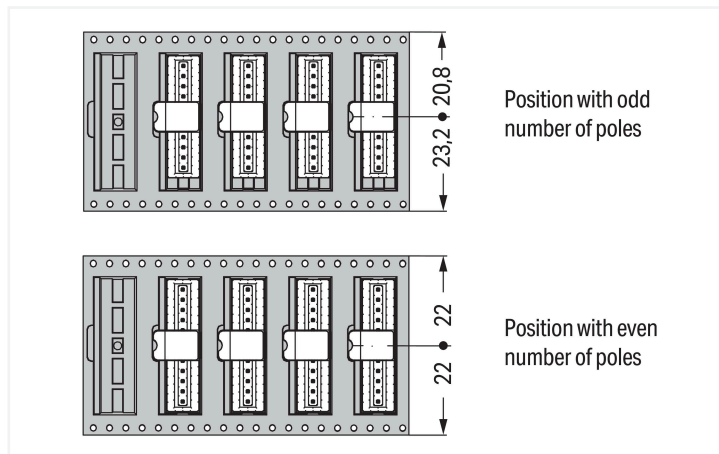
$L = (\text{pole no.} + 1) \times \text{pin spacing}$



Dimensions in mm

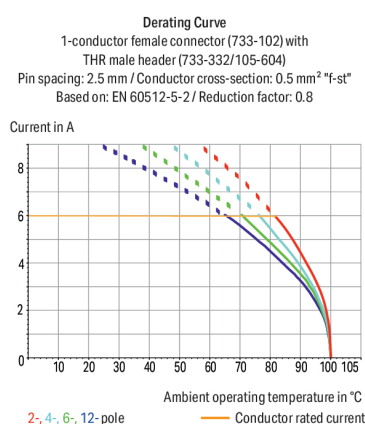
W = tape width

R = feed direction



Dimensions in mm

Pin position in tape-and-reel packaging



Stiftleiste Serie 733, schwarz

Die Stiftleiste hat die Artikelnummer 733-338/105-604/997-446 und verspricht eine saubere ordentliche Elektroinstallation. Mit unseren Leiterplatten-Steckverbindern erhalten Sie ein ganzheitliches Steckverbindersystem, das vielseitig verwendet werden kann: als Leiterplatten-Steckverbinder, als Durchführungssteckverbinder, als fliegende Steckverbindung für verschiedene Montagearten oder als Steckverbinder auf Reihenklemmen. In Breite x Höhe x Tiefe betragen die Abmessungen (22,5 x 11,3 x 7,8) mm. Die Oberfläche der Kontakte besteht 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 Verlotung 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	8	
Number of connection types	1	
Number of levels	1	

Connection 1	
Pole number	8

Physical data	
Pin spacing	2.5 mm / 0.098 inches
Width	22.5 mm / 0.886 inches
Height	11.3 mm / 0.445 inches
Height from the surface	8.9 mm / 0.35 inches
Depth	7.8 mm / 0.307 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	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	0.028 MJ
Weight	1.2 g
MSL per J-STD 020D	1

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

Commercial data	
PU (SPU)	290 pcs
Packaging type	Bag
Country of origin	DE
GTIN	4045454774394
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

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.: 733-108
1-conductor female connector; CAGE CLAMP®; 0.5 mm²; Pin spacing 2.5 mm; 8-pole; 100% protected against mismating; 0,50 mm²; light gray

1.2 Optional Accessories

1.2.1 Coding

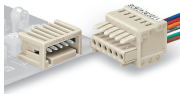
1.2.1.1 Coding



Item No.: [733-331](#)
Coding key; snap-on type; black

Installation Notes

Mismating protection



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

Coding



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