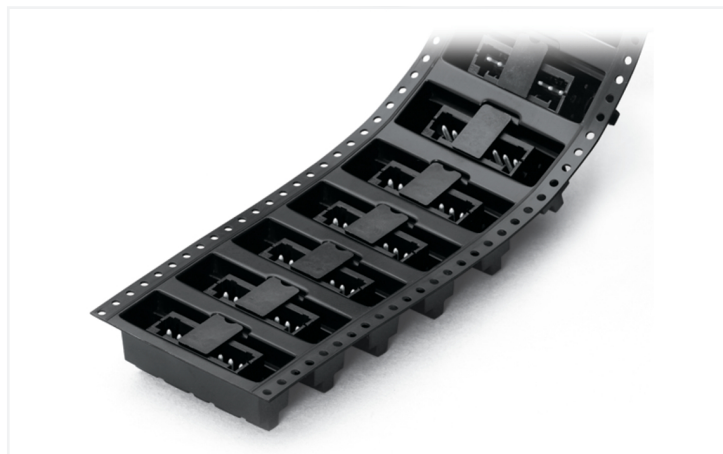


Data Sheet | Item Number: 733-342/105-604/997-446

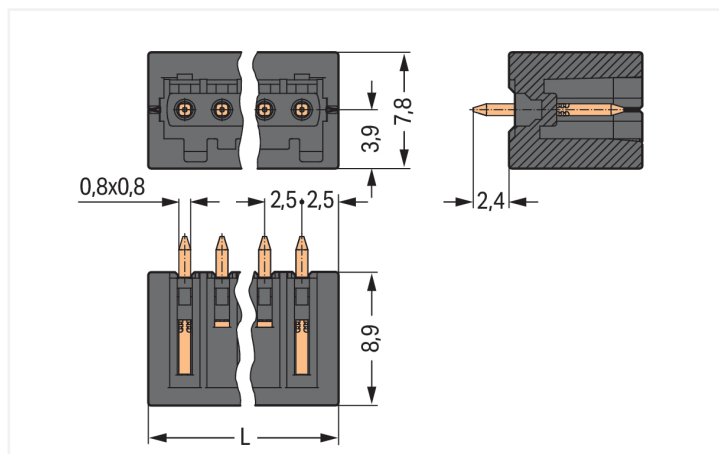
THR male header; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; in tape-and-reel packaging; Pin spacing 2.5 mm; 12-pole; black

<https://www.wago.com/733-342/105-604/997-446>



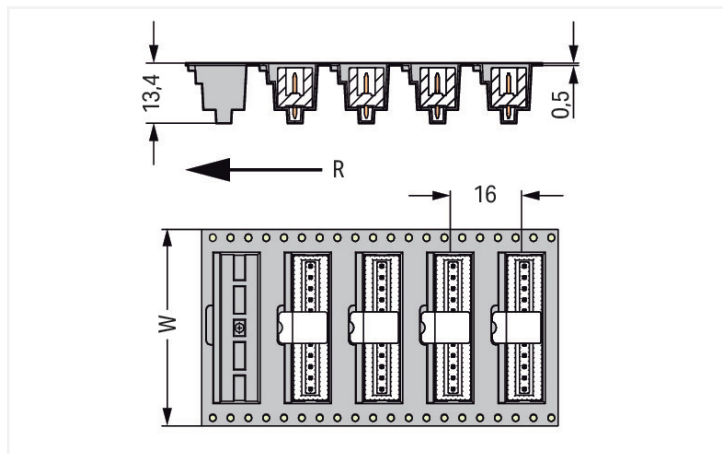
Color: ■ black

Similar to illustration



Dimensions in mm

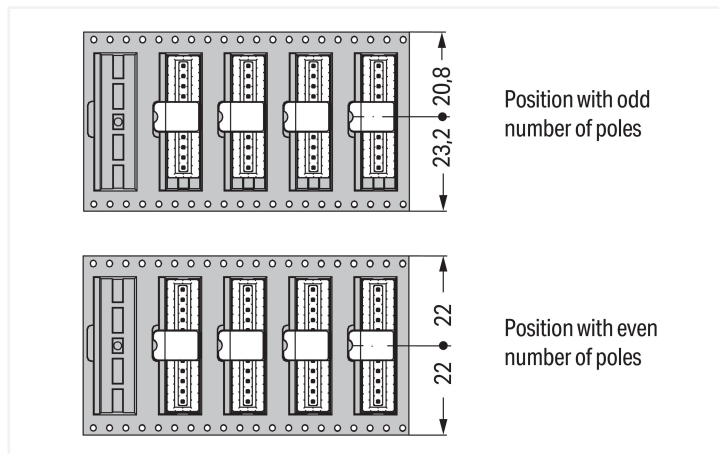
$L = (\text{pole no.} + 1) \times \text{pin spacing}$



Dimensions in mm

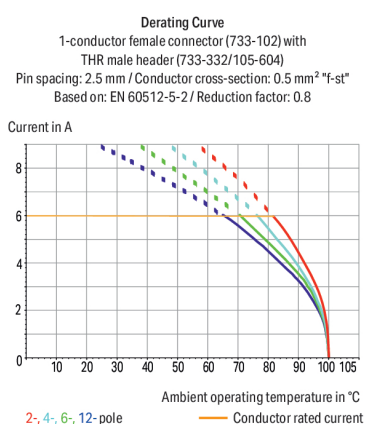
W = tape width

R = feed direction



Dimensions in mm

Pin position in tape-and-reel packaging



Stiftleiste Serie 733 mit Rastermaß 2,5 mm

Bei dieser Stiftleiste mit der Artikelnummer 733-342/105-604/997-446 ist eine saubere Elektroinstallation der Fokus. Setzen Sie beim Design-In Ihres Gerätes auf zuverlässige Sicherheit: Mit Leiterplatten-Steckverbindern haben Sie vielseitige Verwendungsmöglichkeiten. Die Maße betragen in Breite x Höhe x Tiefe (32,5 x 11,3 x 7,8) mm. Die Oberfläche der Kontakte ist aus Zinn. Das MCS – "Multi Connection System" von WAGO ist ein vielfältiges Steckverbindersystem für Ihre durchgängige Systemverdrahtung. Es ermöglicht Ihnen eine vereinfachte Verdrahtung in der Kabelvorkonfektionierung und auf Geräten durch zwei Betätigungsrichtungen für die CAGE CLAMP®-Varianten. Der Leiterplatten-Steckverbinder wird mittels THR verlötet.



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	12	
Number of connection types	1	
Number of levels	1	

Connection 1	
Pole number	12

Physical data	
Pin spacing	2.5 mm / 0.098 inches
Width	32.5 mm / 1.28 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	0.037 MJ
Weight	1.7 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	4045454814540
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.: 733-112
1-conductor female connector; CAGE CLAMP®; 0.5 mm²; Pin spacing 2.5 mm; 12-pole; 100% protected against mismatching; 0,50 mm²; light gray

1.2 Optional Accessories

1.2.1 Coding

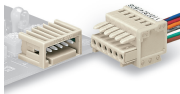
1.2.1.1 Coding



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

Installation Notes

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).