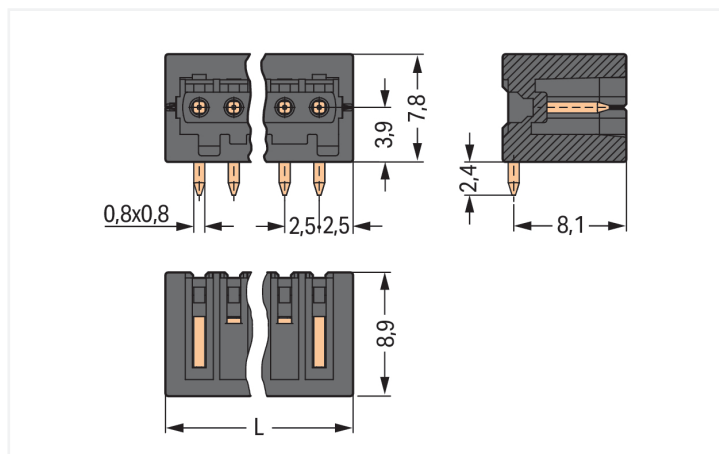
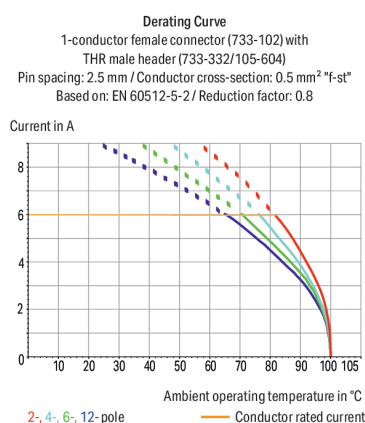


<https://www.wago.com/733-372/105-604>



Similar to illustration


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


Die Stiftheiste mit der Artikelnummer 733-372/105-604 ermöglicht eine saubere ordentliche Elektroinstallation. Setzen Sie beim Design-In Ihres Gerätes auf alterprobte Sicherheit: Mit Leiterplatten-Steckverbindern erhalten Sie vielseitige Verwendungsmöglichkeiten. Die Maße sind in Breite x Höhe x Tiefe (32,5 x 10,2 x 8,9) mm. Die Kontaktoberfläche 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 Verlötung des Leiterplatten-Steckverbinders erfolgt mittels THR.

Safety Information

Variants:

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.

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/](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	320 V	
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	-	-	

Approvals per				UL 1059	
Use group		B	C	D	
Rated voltage		150 V	-	-	
Rated current		4 A	-	-	

Connection data				
Total number of potentials		12	Connection 1	
Number of connection types		1	Pole number	
Number of levels		1	12	
Physical data				
Pin spacing		2.5 mm / 0.098 inches		
Width		32.5 mm / 1.28 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		
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	0.033 MJ	
Weight	2 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)	
PU (SPU)	100 pcs	
Packaging type	Box	
Country of origin	PL	
GTIN	4045454676285	
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			Approvals for marine applications		
   			 		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61984	2169534.01	ABS American Bureau of Ship- ping	-	19-HG1869876-PDA
CCA DEKRA Certification B.V.	IEC 61984	NL-31141	DNV DNV GL SE	-	TAE000016Z
CSA DEKRA Certification B.V.	C22.2	1465035			
UL UL International Germany GmbH	UL 1977	E45171			
UL Underwriters Laboratories Inc.	UL 1059	E45172			



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance

733-372/105-604

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Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB

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pdf

535.32 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models

733-372/105-604

↓

CAE data

ZUKEN Portal

733-372/105-604

↓

PCB Design

Symbol and Footprint via SamacSys

733-372/105-604

↓

Symbol and Footprint via Ultra Librarian

733-372/105-604

↓

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

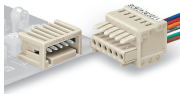
1.2.1.1 Coding



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).