

Data Sheet | Item Number: 734-138/105-604

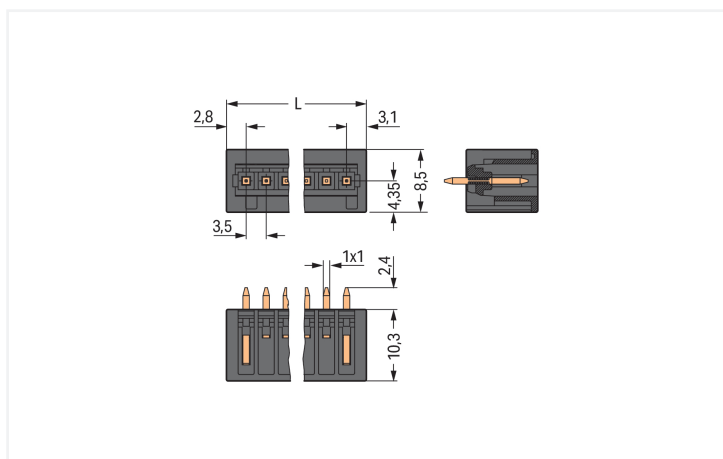
THR male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching;

Pin spacing 3.5 mm; 8-pole; black

<https://www.wago.com/734-138/105-604>

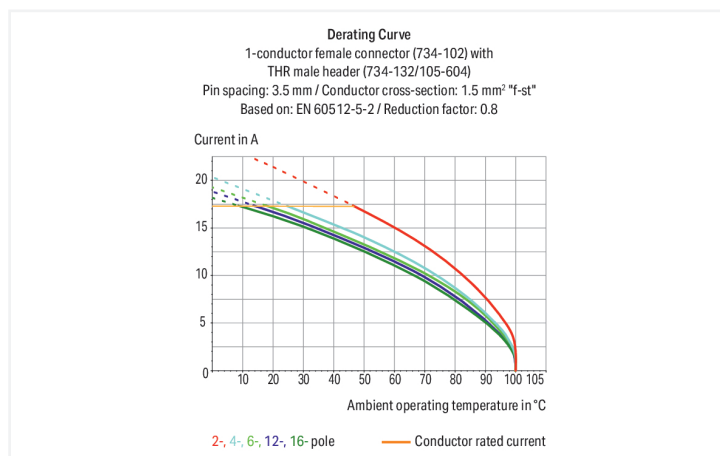


Color: ■ black



Dimensions in mm

$L = (\text{pole no.} - 1) \times \text{pin spacing} + 5.9 \text{ mm}$



Male connector, 734 Series, black

Our male connector (item number 734-138/105-604) is designed for seamless electrical installations. The dimensions are (30.4 x 12.7 x 8.5) mm (width x height x depth).

Tin is used for coating the contact surfaces. The pcb connector is designed for THR soldering.

Notes	
Safety Information	The MCS – <i>MULTI CONNECTION SYSTEM</i> 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	8	
Number of connection types	1	
Number of levels	1	

Connection 1	
Pole number	8

Physical data	
Pin spacing	3.5 mm / 0.138 inches
Width	30.4 mm / 1.197 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

Mechanical data	
Variable coding	Yes
Anti-rotation protection	Yes

PCB contact	THR
Solder pin arrangement	over the entire male connector (in-line)
Number of solder pins per potential	1

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	0.021 MJ
Weight of insulation material	1.29 g
Weight	2.2 g
MSL per J-STD 020D	1

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

Product Group	3 (Multi Conn. System)
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918842327
Customs tariff number	85366930000

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

Approvals / Certificates

General approvals			Approvals for marine applications		
  			 		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61984	2169534.02	ABS American Bureau of Ship- ping	-	24-0095975-PDA
CCA DEKRA Certification B.V.	EN 61984	nl-54190	BV Bureau Veritas S.A.	IEC 60998	11915/E0 BV
CSA DEKRA Certification B.V.	C22.2	1465035			
UL Underwriters Laboratories Inc.	UL 1977	E 45171			

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 734-138/105-604	

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	
		pdf 535.32 KB	

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 734-138/105-604		EPLAN Data Portal 734-138/105-604	
		ZUKEN Portal 734-138/105-604	



PCB Design	
Symbol and Footprint via SamacSys 734-138/105-604	
Symbol and Footprint via Ultra Librarian 734-138/105-604	

1 Compatible Products
1.1 System counterpart
1.1.1 Female connector/socket



Item No.: 734-108

1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 8-pole; 100% protected against mismating; light gray

1.2 Optional Accessories
1.2.1 Coding
1.2.1.1 Coding



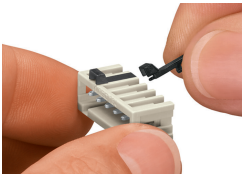
Item No.: 734-159

Coding key; to be snapped above top level; black

Item No.: 734-130

Coding key; to be snapped above top level; white

Installation Notes
Coding



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