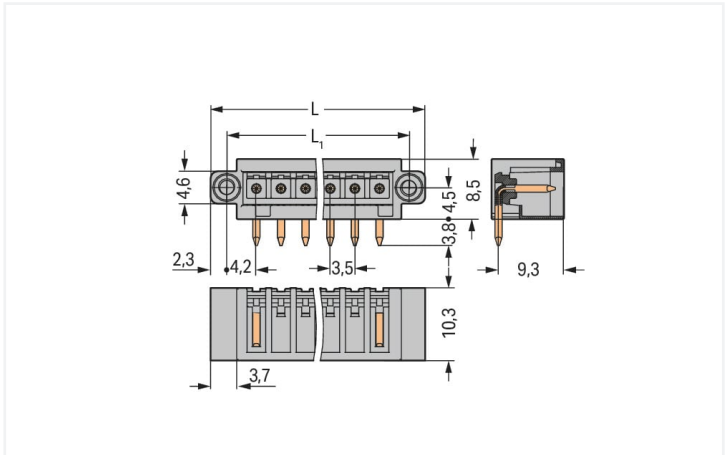


Data Sheet | Item Number: 734-169/108-000
THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 9-pole; light gray
<https://www.wago.com/734-169/108-000>

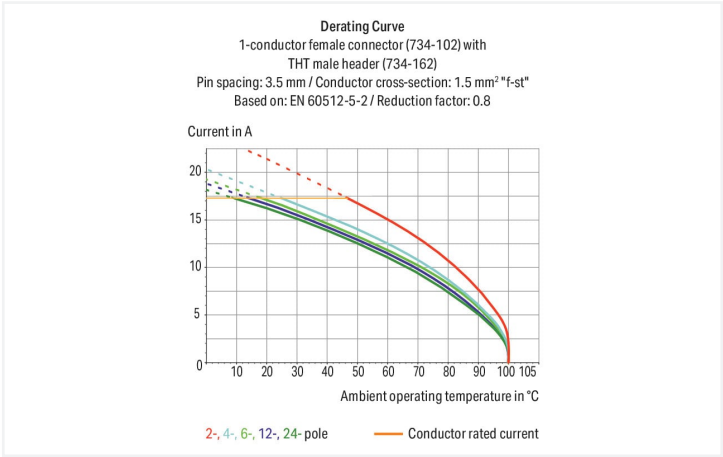


Color: ■ light gray

Similar to illustration



Dimensions in mm
 $L = (\text{pole no.} \times \text{pin spacing}) + 9.5 \text{ mm}$
 $L1 = (\text{pole no.} \times \text{pin spacing}) + 4.9 \text{ mm}$



- Horizontal or vertical PCB mounting via straight or angled solder pins
- 100% protected against mismatching; only mating halves with the same number of poles can be connected together
- Coding option available

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 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		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		160 V	160 V	320 V
Rated surge voltage		2.5 kV	2.5 kV	2.5 kV
Rated current		10 A	10 A	10 A
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		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	9	Connection 1	
Number of connection types	1	Pole number	9
Number of levels	1		

Physical data		
Pin spacing	3.5 mm / 0.138 inches	
Width	41 mm / 1.614 inches	
Height	12.3 mm / 0.484 inches	
Height from the surface	8.5 mm / 0.335 inches	
Depth	10.3 mm / 0.406 inches	
Solder pin length	3.8 mm	
Solder pin dimensions	1 x 1 mm	
Drilled hole diameter with tolerance	1.4 (+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 °	
Locking of plug-in connection	Threaded flange	

PCB contact		
PCB contact	THT	
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	light gray	
Material group	I	
Insulation material	Polyamide (PA66)	
Flammability class per UL94	V0	
Contact material	Electrolytic copper (E _{CU})	
Contact plating	Tin	
Fire load	0.044 MJ	
Weight	3 g	



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

Commercial data	
Product Group	3 (Multi Conn. System)
eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-02
ETIM 8.0	EC002637
ETIM 7.0	EC002637
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454759131
Customs tariff number	85366930000

Environmental Product Compliance	
CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c)
SCIP notification number (Austria)	b0d57f81-db1e-433f-9306-efcce15c1cd5
SCIP notification number (Belgium)	7f01335e-e3d5-434d-95fb-7431d98b724c
SCIP notification number (Bulgaria)	c68d91dd-0aec-46e3-adcd-873f96a44a91
SCIP notification number (Czech Republic)	26841979-cd4c-479a-a74e-ca03ae303d71
SCIP notification number (Denmark)	fb6fa571-2a9f-4ede-ab1e-b90cc913d999
SCIP notification number (Finland)	e4707714-8900-4996-bbfb-c9f95d4587a8
SCIP notification number (France)	4a675d65-348e-46fe-9919-3714f8b9a639
SCIP notification number (Germany)	972f6078-5ba0-4b5f-b372-7401894ce89e
SCIP notification number (Hungary)	3de2d99d-0aea-4b2c-aa9c-8a9a54a88d17
SCIP notification number (Italy)	d391bf18-bd7e-40c5-a921-d800110c9b44
SCIP notification number (Netherlands)	11b9ea88-7e7c-4ce6-90b4-8e7fa0ae0650
SCIP notification number (Poland)	da54f442-1a13-4078-8624-9adbb0ea4be5
SCIP notification number (Romania)	d6be5a94-607d-4185-bcf7-2132d1310884
SCIP notification number (Sweden)	e0de1e42-1a8b-4cb9-ab60-8de2bd954c88

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 734-169/108-000	



Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data
2D/3D Models 734-169/108-000

CAE data
ZUKEN Portal 734-169/108-000

PCB Design
Symbol and Footprint via SamacSys 734-169/108-000
Symbol and Footprint via Ultra Librarian 734-169/108-000

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 734-109/107-000](#)
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 9-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray



[Item No.: 2734-109/107-000](#)
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 9-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



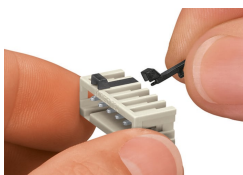
[Item No.: 734-159](#)
Coding key; to be snapped above top level; black



[Item No.: 734-130](#)
Coding key; to be snapped above top level; white

Installation Notes

Coding



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