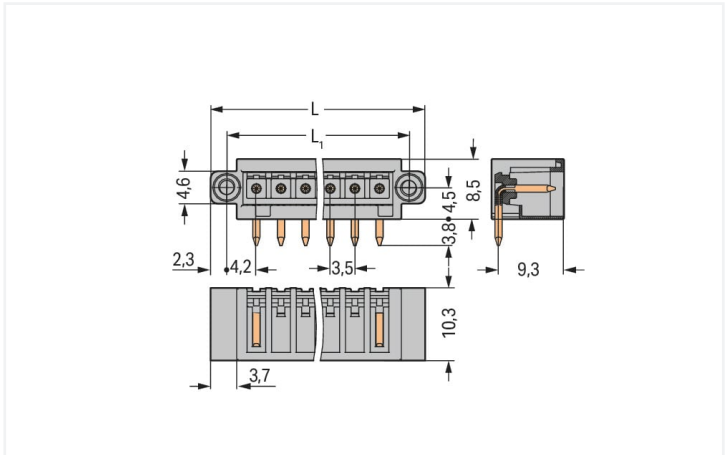


**Data Sheet | Item Number: 734-162/108-000**  
THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 2-pole; light gray  
<https://www.wago.com/734-162/108-000>

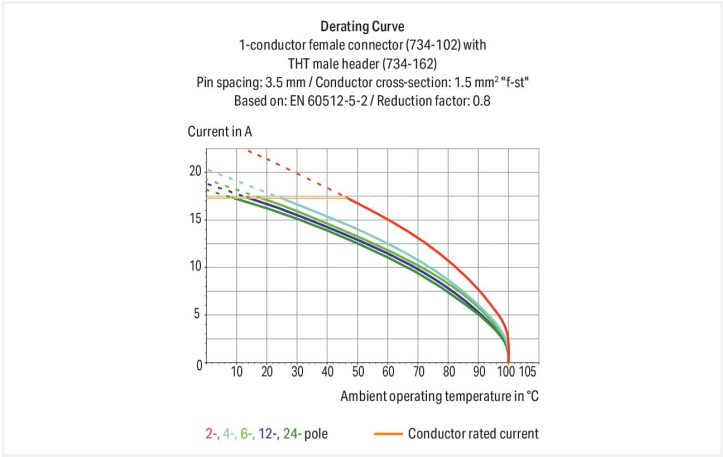


Color: ■ light gray

Similar to illustration



Dimensions in mm  
L = (pole no. x pin spacing) + 9.5 mm  
L1 = (pole no. x pin spacing) + 4.9 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 <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> .

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	2	Connection 1	
Number of connection types	1	Pole number	2
Number of levels	1		

Physical data		
Pin spacing	3.5 mm / 0.138 inches	
Width	16.5 mm / 0.65 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)	<a href="#">Information on material specifications can be found here</a>	
Color	light gray	
Material group	I	
Insulation material	Polyamide (PA66)	
Flammability class per UL94	V0	
Contact material	Electrolytic copper (E <sub>CU</sub> )	
Contact plating	Tin	
Fire load	0.02 MJ	
Weight	1.3 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)	200 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454683009
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)	c53cc8d5-279a-41ce-a29f-4cc515ebb646
SCIP notification number (Belgium)	e505f15c-7ce9-484b-8adf-5bf6dbfdddd7
SCIP notification number (Bulgaria)	29879561-6a34-4a95-8218-b6cbd7352da6
SCIP notification number (Czech Republic)	e4c34c6f-85be-4fca-a6af-b684e6e99d8a
SCIP notification number (Denmark)	6cffd92b-1ee9-4be3-8e52-d1be51f4bcbd
SCIP notification number (Finland)	0c26b037-ca6f-49dc-88fc-b01a935cd20c
SCIP notification number (France)	b4b1d61e-52e7-4119-bb76-a5c8061ace65
SCIP notification number (Germany)	7ae2cb9d-3cb3-4ac1-a40a-1afeea842bf6
SCIP notification number (Hungary)	b83ae4c6-0978-4382-a749-c784322b67ac
SCIP notification number (Italy)	6960ce86-97fe-41c2-9d7a-eb2d4bedbd3b
SCIP notification number (Netherlands)	ae006bf4-e924-4d40-a06c-8a39a415eac3
SCIP notification number (Poland)	2d9f7eca-0b01-422e-b386-6dd6b6060308
SCIP notification number (Romania)	e6bc449f-841d-41ed-b399-9c59c6b16be1
SCIP notification number (Sweden)	b85cfab8-d678-4ad9-8313-7cdc5530f61c

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 734-162/108-000	



Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data	
2D/3D Models 734-162/108-000	

CAE data	
ZUKEN Portal 734-162/108-000	

PCB Design	
Symbol and Footprint via SamacSys 734-162/108-000	
Symbol and Footprint via Ultra Librarian 734-162/108-000	

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 734-102/107-000](#)  
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray



[Item No.: 2734-102/107-000](#)  
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-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



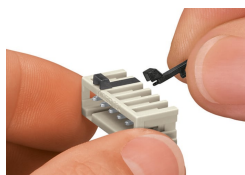
[Item No.: 734-159](#)  
Coding key; to be snapped above top level; black



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

## Installation Notes

### Coding



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