

Data Sheet | Item Number: 734-170/108-000

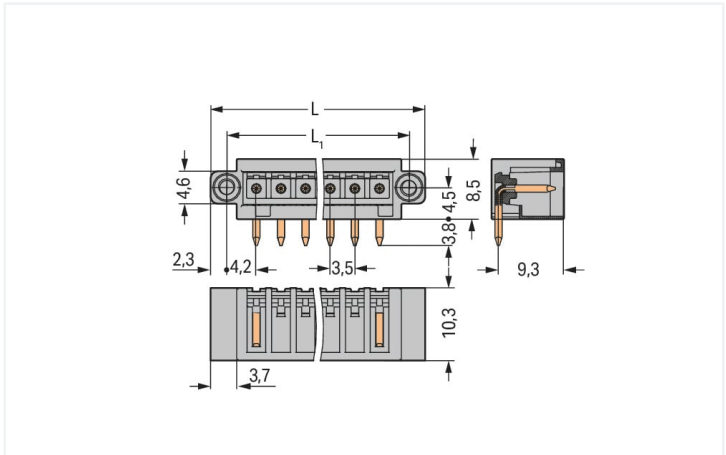
THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 10-pole; light gray

<https://www.wago.com/734-170/108-000>



Color: ■ light gray

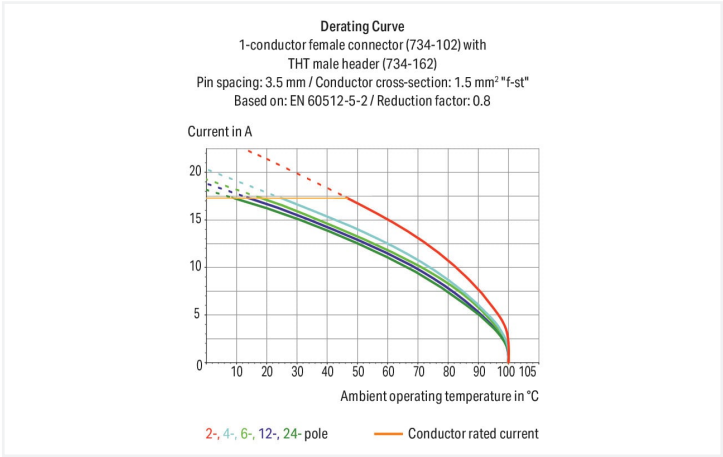
Similar to illustration



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	10	Connection 1	
Number of connection types	1	Pole number	10
Number of levels	1		

Physical data		
Pin spacing	3.5 mm / 0.138 inches	
Width	44.5 mm / 1.752 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	0.047 MJ	
Weight	3.2 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	4045454683108
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)	e7197af9-00c0-4d5f-92f9-f9f232f2b320
SCIP notification number (Belgium)	a0cdfe48-72fa-46c6-ae0b-9577df797c36
SCIP notification number (Bulgaria)	875f74c6-5c91-4db9-9db7-b794969618b4
SCIP notification number (Czech Republic)	93d3a99a-57d0-4ae2-84db-8c6fbaf33225
SCIP notification number (Denmark)	db2a92c5-b58d-49c9-a776-f58fcf376c62
SCIP notification number (Finland)	a11e71ca-4c71-428e-8394-30c3f075c0ca
SCIP notification number (France)	a3b86de8-9688-4471-8579-e6c650d256f1
SCIP notification number (Germany)	2410a02e-1317-46da-8859-5dd7868249c3
SCIP notification number (Hungary)	52910e9c-7da2-44eb-8563-1cb03e40bf45
SCIP notification number (Italy)	6b976989-facb-4fb5-bc39-0071f4f31ef2
SCIP notification number (Netherlands)	9fe41a52-850b-4b93-a881-b919d62e2953
SCIP notification number (Poland)	5feff024-b6b0-4183-bf4b-e4608d25ab96
SCIP notification number (Romania)	c4d87a29-07ad-4b43-a566-599e1c15ab4e
SCIP notification number (Sweden)	1351d86e-8a53-4bbf-b490-058a16712d2b

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 734-170/108-000	

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data
2D/3D Models 734-170/108-000


CAE data
ZUKEN Portal 734-170/108-000


PCB Design
Symbol and Footprint via SamacSys 734-170/108-000

Symbol and Footprint via Ultra Librarian 734-170/108-000


1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 734-110/107-000](#)
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 10-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray



[Item No.: 2734-110/107-000](#)
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 10-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



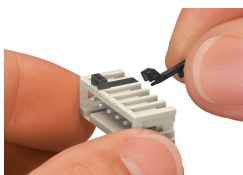
[Item No.: 734-159](#)
Coding key; to be snapped above top level; black



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

Installation Notes

Coding



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