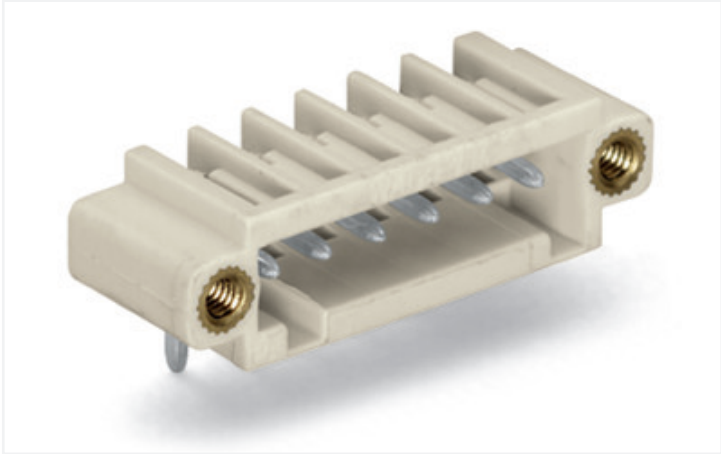


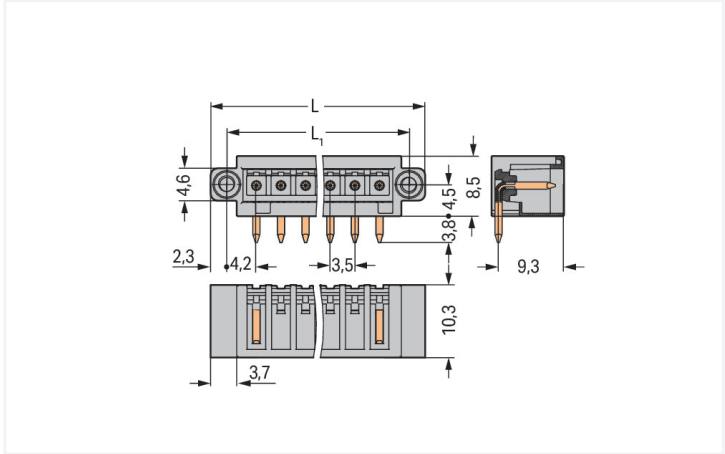
Data Sheet | Item Number: 734-166/108-000

THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 6-pole; light gray

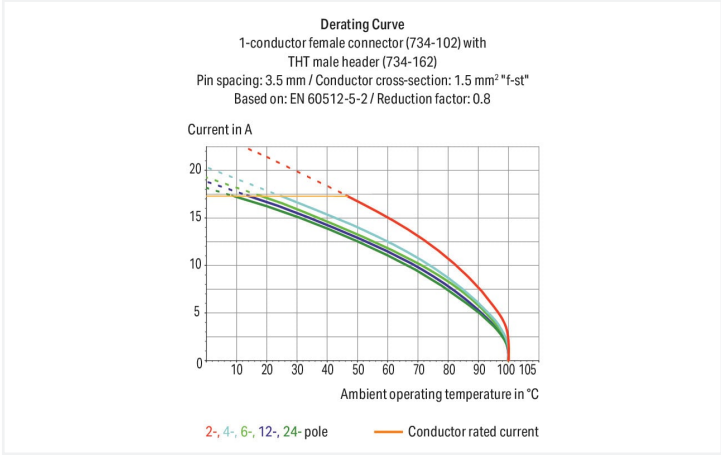
<https://www.wago.com/734-166/108-000>



Color: ■ light gray



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 https://configurator.wago.com/ .		
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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	6	Connection 1	
Number of connection types	1	Pole number	6
Number of levels	1		

Physical data		
Pin spacing	3.5 mm / 0.138 inches	
Width	30.5 mm / 1.201 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	0.034 MJ	
Weight	2.3 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	4045454683078
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)	eed4064b-b28c-4757-a5c9-f33910907d90
SCIP notification number (Belgium)	60c7fa3b-4595-4681-a496-cba60cebca29
SCIP notification number (Bulgaria)	b170c0d5-14e4-4475-a233-07f0d29f069c
SCIP notification number (Czech Republic)	4bbf86e3-83bb-4045-9a54-aa50340ce230
SCIP notification number (Denmark)	0ac6f144-dd03-484c-8763-bc0cbd6b01b5
SCIP notification number (Finland)	ade61cb0-ac03-4358-b0b6-ed6f65b90885
SCIP notification number (France)	4d0057b4-c7eb-4fd8-be90-f1ee832a2afd
SCIP notification number (Germany)	e48d0ffc-eabc-48a3-a683-3c711764e9f5
SCIP notification number (Hungary)	95178982-c40d-42e6-a1f3-2bdaafb0d1bf
SCIP notification number (Italy)	aa140b1f-6ccf-4cf2-90a1-dc67efad5512
SCIP notification number (Netherlands)	b322828d-24f9-4b62-898e-d031b46a6e09
SCIP notification number (Poland)	b4154e5f-58ef-471f-9f21-2e35cd17683c
SCIP notification number (Romania)	96680bc0-bc5e-41b1-bf86-2e2dbc82a5f7
SCIP notification number (Sweden)	a6ac9492-6eab-4ea3-8ee3-5dd06788a674

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 734-166/108-000	



Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	↓

CAD/CAE-Data

CAD data
2D/3D Models 734-166/108-000
↓

CAE data
ZUKEN Portal 734-166/108-000
↓

PCB Design
Symbol and Footprint via SamacSys 734-166/108-000
↓
Symbol and Footprint via Ultra Librarian 734-166/108-000
↓

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 734-106/107-000](#)
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray



[Item No.: 2734-106/107-000](#)
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-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



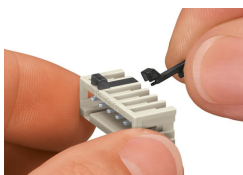
[Item No.: 734-159](#)
Coding key; to be snapped above top level; black



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

Installation Notes

Coding



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