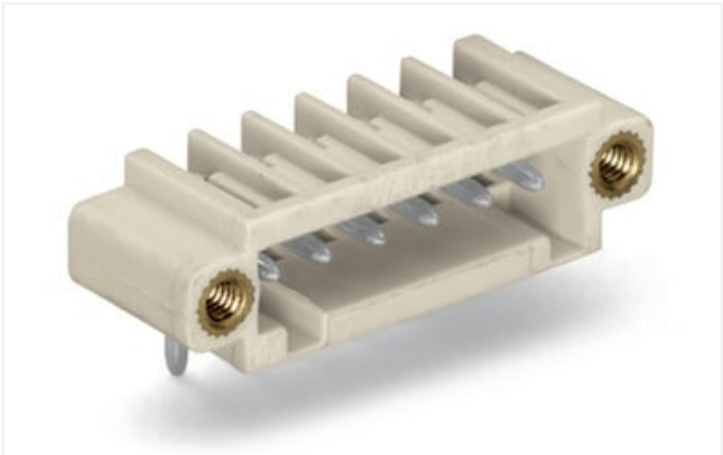


Data Sheet | Item Number: 734-164/108-000

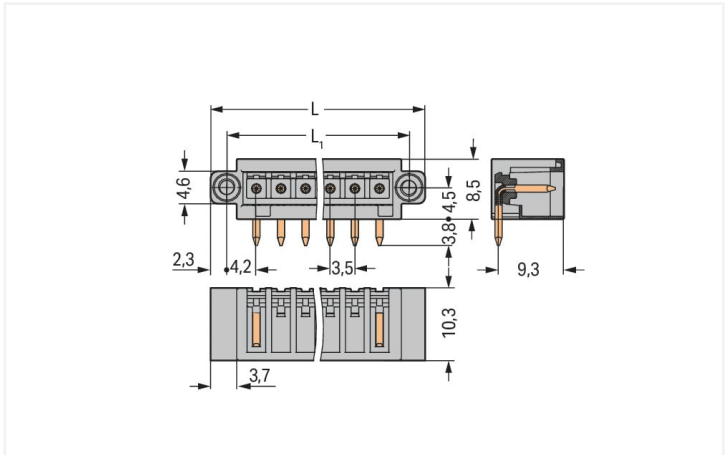
THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 4-pole; light gray

<https://www.wago.com/734-164/108-000>



Color: ■ light gray

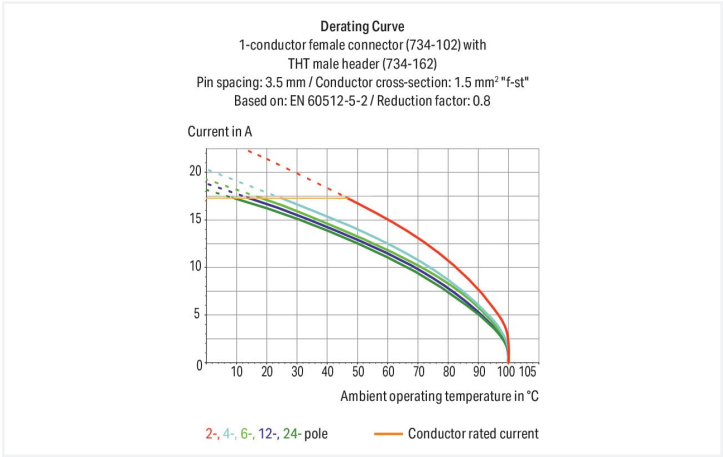
Similar to illustration



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/ .		
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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	4	Connection 1	
Number of connection types	1	Pole number	4
Number of levels	1		

Physical data	
Pin spacing	3.5 mm / 0.138 inches
Width	23.5 mm / 0.925 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	0.027 MJ
Weight	1.8 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	4045454683054
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)	e68a597f-838f-4e77-bee3-8badc954a00a
SCIP notification number (Belgium)	1b9491c4-9564-4c9e-a571-eea4a4668080
SCIP notification number (Bulgaria)	632a0e11-d28e-4d8c-8e40-843fb3d4ed74
SCIP notification number (Czech Republic)	8de14e4e-3422-45ac-91ca-9a6550d5b02e
SCIP notification number (Denmark)	6fa2ea48-db39-4268-8a21-433df17d8c6c
SCIP notification number (Finland)	43c431f5-9bf9-4259-b397-40425afd3b52
SCIP notification number (France)	95146849-2fea-4e7d-88e0-93e42f99a44b
SCIP notification number (Germany)	e2feb5a7-769d-4244-a4cf-19f7fd311a16
SCIP notification number (Hungary)	60c86d4f-ca31-458c-856d-8612b50f5558
SCIP notification number (Italy)	84df7dc2-f147-4054-9802-ffa42688e7a8
SCIP notification number (Netherlands)	121983b9-3839-408c-8f69-eea38ff1daed
SCIP notification number (Poland)	4e9c84ae-eb01-4b9d-bba3-e7ed99a5e711
SCIP notification number (Romania)	eead4a18-e84a-444a-b602-1d69369a5740
SCIP notification number (Sweden)	8167955d-a206-46da-a535-776737ad994a

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
734-164/108-000

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Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data
2D/3D Models 734-164/108-000

CAE data
ZUKEN Portal 734-164/108-000

PCB Design
Symbol and Footprint via SamacSys 734-164/108-000
Symbol and Footprint via Ultra Librarian 734-164/108-000

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 734-104/107-000](#)
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 4-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray



[Item No.: 2734-104/107-000](#)
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 4-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



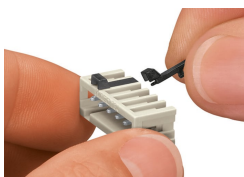
[Item No.: 734-159](#)
Coding key; to be snapped above top level; black



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

Installation Notes

Coding



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