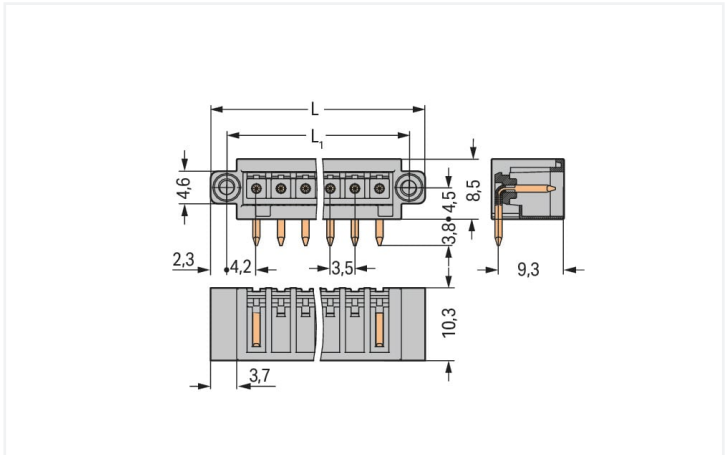


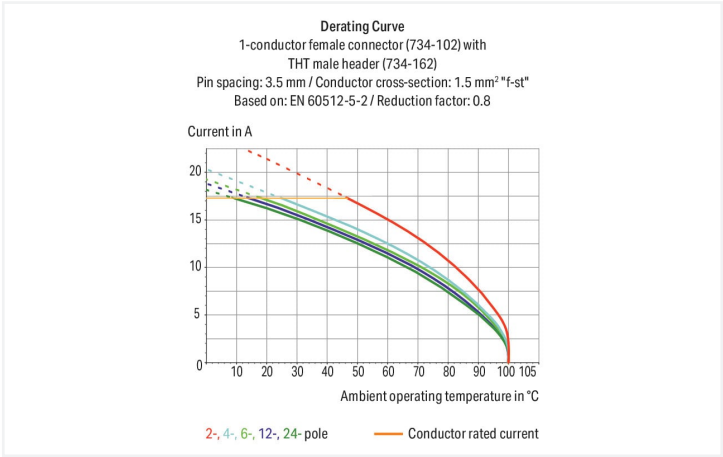
Data Sheet | Item Number: 734-171/108-000
THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 11-pole; light gray
<https://www.wago.com/734-171/108-000>



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 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	11	Connection 1	
Number of connection types	1	Pole number	11
Number of levels	1		

Physical data		
Pin spacing	3.5 mm / 0.138 inches	
Width	48 mm / 1.89 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 MJ	
Weight	3.5 g	



Environmental requirements	
Limit temperature range	-60 ... +100 °C
Processing temperature	-35 ... +60 °C
Commercial data	
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	PL
GTIN	4055143276580
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)	5f7db692-839a-4f41-9276-467b3a649351
SCIP notification number (Belgium)	cc529a9c-a4d2-457f-abb9-f64a19507e49
SCIP notification number (Bulgaria)	b416968b-bdc4-48f8-93fb-304077dae07b
SCIP notification number (Czech Republic)	d1a829ea-3eba-41b2-9388-c0dee0ffb269
SCIP notification number (Denmark)	1494b78e-5581-4625-a0ae-ac6917ea1de9
SCIP notification number (Finland)	dc898f92-6143-4f00-81fe-10fe07d6e779
SCIP notification number (France)	b22334ab-e5ff-42ff-8039-ff98d11cf4da
SCIP notification number (Germany)	c35b324d-c460-4be6-af05-047d386f154c
SCIP notification number (Hungary)	7b50f2be-75e2-45e3-937c-e7b4ddeb27c3
SCIP notification number (Italy)	e8e7e281-8a23-4a6d-a4c7-c3fa6f1f380f
SCIP notification number (Netherlands)	73304a97-6cc5-47f3-857f-e8e880aa4461
SCIP notification number (Poland)	7b96678d-7e80-4078-9ac6-9706cce3ab4b
SCIP notification number (Romania)	c3678baa-7e29-4645-bbb4-a31708193f91
SCIP notification number (Sweden)	adc6293a-78c2-4df2-a7e8-fea62b3ae98d

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
   		
Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	EN 61984	NL-54190
CSA DEKRA Certification B.V.	C22.2	1465035
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-105522
UL Underwriters Laboratories Inc.	UL 1977	E 45171
UR Underwriters Laboratories Inc.	UL 1059	E45172
Approval	Standard	Certificate Name
Railway WAGO GmbH & Co. KG	-	Railway Ready



Approvals for marine applications



Approval	Standard	Certificate Name
BV Bureau Veritas S.A.	IEC 60998	11915/D0 BV
DNV DNV GL SE	-	TAE000016Z

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 734-171/108-000



Documentation

Additional Information
Technical Section 03.04.2019 pdf 2027.26 KB



CAD/CAE-Data

CAD data
2D/3D Models 734-171/108-000



CAE data
ZUKEN Portal 734-171/108-000



PCB Design

Symbol and Footprint via SamacSys 734-171/108-000
Symbol and Footprint via Ultra Librarian 734-171/108-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: [734-111/107-000](#)
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 11-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray

Item No.: [2734-111/107-000](#)
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 11-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray

1.2 Optional Accessories

1.2.1 Coding

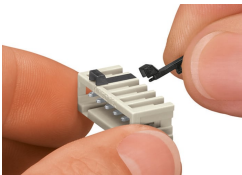
1.2.1.1 Coding



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

Installation Notes

Coding



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