

Data Sheet | Item Number: 734-150/108-000

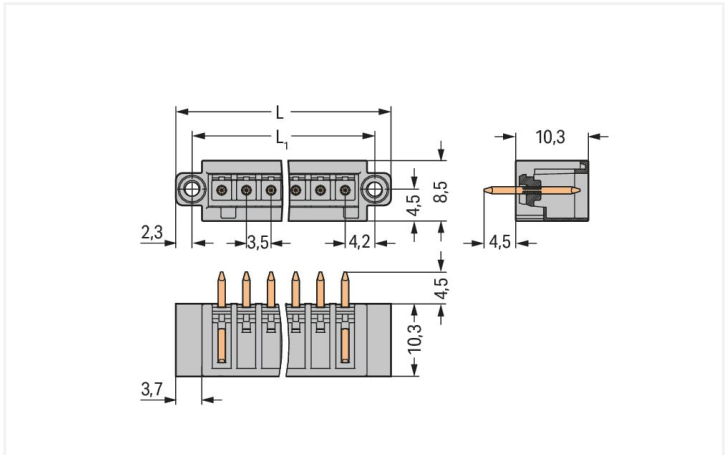
THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 20-pole; light gray

<https://www.wago.com/734-150/108-000>

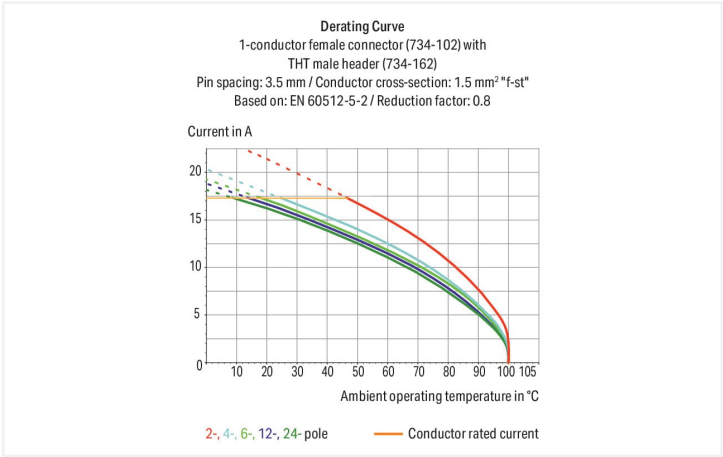


Color: ■ light gray

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			



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	20	Connection 1	
Number of connection types	1	Pole number	20
Number of levels	1		

Physical data		
Pin spacing	3.5 mm / 0.138 inches	
Width	79.5 mm / 3.13 inches	
Height	14.8 mm / 0.583 inches	
Height from the surface	10.3 mm / 0.406 inches	
Depth	8.5 mm / 0.335 inches	
Solder pin length	4.5 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	90 °	
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	0.081 MJ	
Weight	5.1 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)	50 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454759100
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)	5ffe9f25-4aa7-4a81-a200-2db798f8239a
SCIP notification number (Belgium)	c7ce511d-c5c0-4808-bab3-822851f454d2
SCIP notification number (Bulgaria)	68bd3506-e848-4593-a1cb-a889ddd71876
SCIP notification number (Czech Republic)	f0112755-879c-4e02-9ed7-815f1411f480
SCIP notification number (Denmark)	0f019c77-94b9-4763-af49-dfc80aba9d1c
SCIP notification number (Finland)	baf057f8-e57f-4f0b-b25c-8f16d433a578
SCIP notification number (France)	995ef2ad-4b70-4080-8009-d6acbd6fc2b5
SCIP notification number (Germany)	fde3f7cd-45ce-4652-b141-abd7b1d74d5c
SCIP notification number (Hungary)	a5e04041-1fe9-4cb7-821c-1350401705b1
SCIP notification number (Italy)	7b893973-10d5-4e8f-ae60-c2f25ac17543
SCIP notification number (Netherlands)	8f0a8db5-9a39-45d3-93d8-73b974ef8032
SCIP notification number (Poland)	07fd49eb-3f5f-481b-8a1c-1109ae128abf
SCIP notification number (Romania)	e6d86134-b4bb-4acd-a79f-135ed4534180
SCIP notification number (Sweden)	c2d7e187-98a6-4e1f-938f-e27f0de79884

Approvals / Certificates		
General approvals		
		
Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2	1465035
UL Underwriters Laboratories Inc.	UL 1977	E 45171
UR Underwriters Laboratories Inc.	UL 1059	E45172
Declarations of conformity and manufacturer's declarations		
		
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

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 734-150/108-000



Documentation

Additional Information
Technical Section 03.04.2019 pdf 2027.26 KB



CAD/CAE-Data

CAD data
2D/3D Models 734-150/108-000



CAE data
ZUKEN Portal 734-150/108-000



PCB Design

Symbol and Footprint via SamacSys 734-150/108-000
Symbol and Footprint via Ultra Librarian 734-150/108-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 734-120/107-000](#)
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 20-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray



[Item No.: 2734-120/107-000](#)
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 20-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

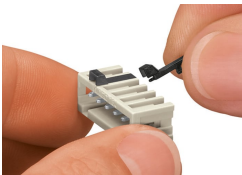


[Item No.: 734-159](#)
Coding key; to be snapped above top level; black

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

Installation Notes

Coding



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