

Data Sheet | Item Number: 734-144/108-000

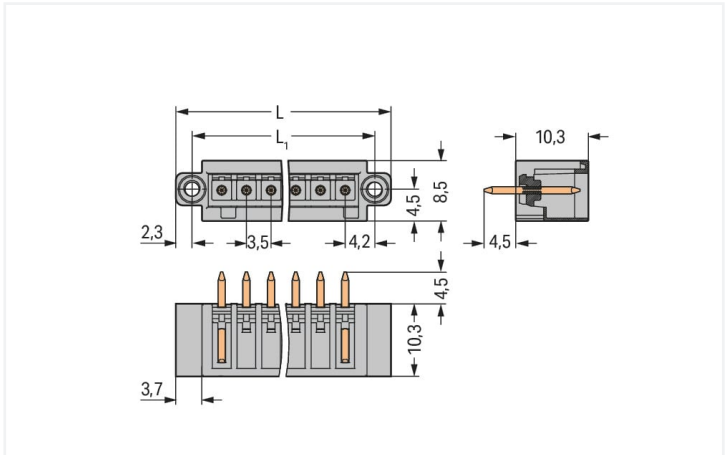
THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 14-pole; light gray

<https://www.wago.com/734-144/108-000>

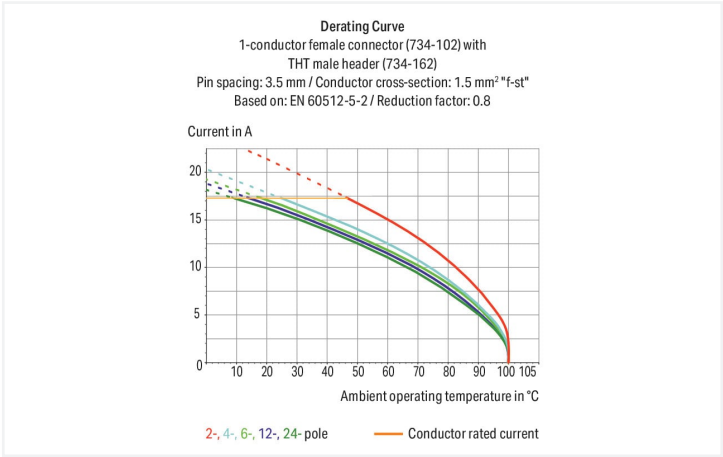


Color: ■ light gray

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	14	Connection 1	
Number of connection types	1	Pole number	14
Number of levels	1		

Physical data		
Pin spacing	3.5 mm / 0.138 inches	
Width	58.5 mm / 2.303 inches	
Height	12.3 mm / 0.484 inches	
Height from the surface	8.5 mm / 0.335 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	0.061 MJ	
Weight	3.8 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)	50 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454618704
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)	1a0c55c1-4625-431e-97a3-dbe2c099d222
SCIP notification number (Belgium)	b8a4b078-f9cd-4e18-a57e-1d0c9ee4cacf
SCIP notification number (Bulgaria)	fa91613e-4d21-4ec4-8688-91a12f7874b1
SCIP notification number (Czech Republic)	b7d65a6d-4829-4b77-a158-c084b49e1520
SCIP notification number (Denmark)	675b906d-3e37-4353-9ef6-de71e4b40d67
SCIP notification number (Finland)	58d35f63-a1a3-4163-90e9-456c48960364
SCIP notification number (France)	7ca72e17-99b9-458d-bbdd-84babbf54971
SCIP notification number (Germany)	8827f2df-933d-472d-bb53-dfe7d0410150
SCIP notification number (Hungary)	8fab3213-0598-4589-b3b1-fb2a1bde2575
SCIP notification number (Italy)	b0596f1e-cd9b-420d-a4ed-bbef35b02169
SCIP notification number (Netherlands)	5f4eecdb-2f04-4ef6-a46c-03002786e70c
SCIP notification number (Poland)	b1b71ffc-b79b-4dc4-8688-8c7b99e77210
SCIP notification number (Romania)	93fa1ea2-a32a-4023-ba37-3a114caf5801
SCIP notification number (Sweden)	b427777d-5d22-47d3-9709-c61dfb8fb8e9

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2	1465035	Railway WAGO GmbH & Co. KG	-	Railway Ready
UL Underwriters Laboratories Inc.	UL 1977	E 45171			
UR Underwriters Laboratories Inc.	UL 1059	E45172			



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 734-144/108-000



Documentation

Additional Information
Technical Section 03.04.2019 pdf 2027.26 KB



CAD/CAE-Data

CAD data
2D/3D Models 734-144/108-000



CAE data
ZUKEN Portal 734-144/108-000



PCB Design

Symbol and Footprint via SamacSys 734-144/108-000
Symbol and Footprint via Ultra Librarian 734-144/108-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 734-114/107-000](#)
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 14-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray



[Item No.: 2734-114/107-000](#)
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 14-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray

1.2 Optional Accessories

1.2.1 Coding

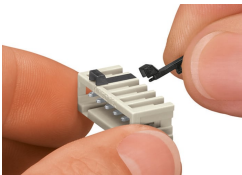
1.2.1.1 Coding



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

Installation Notes

Coding



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