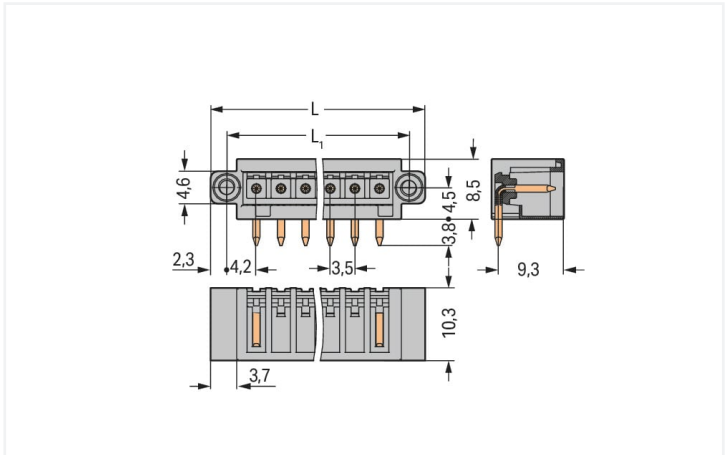


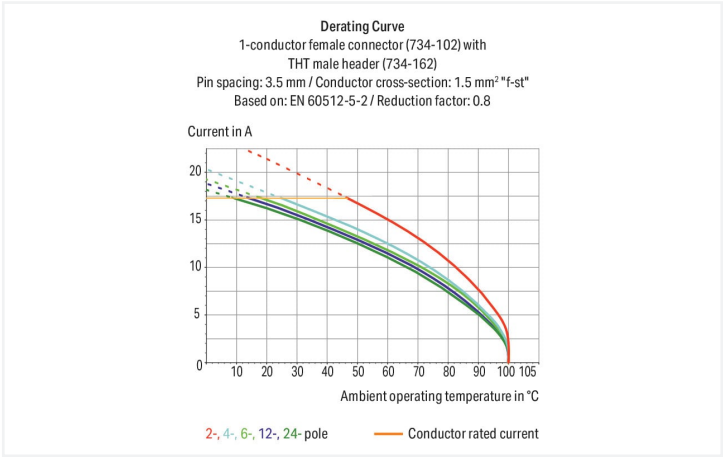
Data Sheet | Item Number: 734-178/108-000
THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 18-pole; light gray
<https://www.wago.com/734-178/108-000>



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

Variants:

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.

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		Approvals per		UL 1059	
Overvoltage category	III	III	II	Use group	B	C	D
Pollution degree	3	2	2	Rated voltage	300 V	-	300 V
Nominal voltage	160 V	160 V	320 V	Rated current	10 A	-	10 A
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV				
Rated current	10 A	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	18	Connection 1	
Number of connection types	1	Pole number	18
Number of levels	1		

Physical data		
Pin spacing	3.5 mm / 0.138 inches	
Width	72.5 mm / 2.854 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	0.074 MJ	
Weight	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)	50 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454759155
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)	69f80f22-e78b-4d52-932d-45094314765f
SCIP notification number (Belgium)	38b60021-cc03-4c0c-a221-772ec1e15475
SCIP notification number (Bulgaria)	1a9519ff-4489-4201-bba0-dbe1aaf088c8
SCIP notification number (Czech Republic)	0044fb37-c136-496e-a23f-b963ac3f2c21
SCIP notification number (Denmark)	e5d0244a-2522-4c60-a64b-b16fe2561e2c
SCIP notification number (Finland)	f8c6633e-be2f-44fd-a227-e5f8d152ae09
SCIP notification number (France)	4de8909f-fd26-48a0-b24e-cfd9f9c21d72
SCIP notification number (Germany)	fc6fc70e-e818-407e-bedb-b2f819f0c874
SCIP notification number (Hungary)	712e82e6-0138-49f9-8267-d5a63928ab77
SCIP notification number (Italy)	3279d042-d2cc-4f2d-a134-85fcf2d789f4
SCIP notification number (Netherlands)	ac54ad61-a149-4dac-8f99-b5afa34fb6f1
SCIP notification number (Poland)	275b9049-4e31-4079-a272-fb7e97d506c5
SCIP notification number (Romania)	7dc227c0-2b33-4add-8119-ebb2138c8f24
SCIP notification number (Sweden)	446a7c04-1326-4c2c-ae5-fd3990749031

Approvals / Certificates		
General approvals		
  		
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
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
DNV DNV GL SE	-	TAE000016Z

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 734-178/108-000



Documentation

Additional Information
Technical Section 03.04.2019 pdf 2027.26 KB



CAD/CAE-Data

CAD data
2D/3D Models 734-178/108-000



CAE data
ZUKEN Portal 734-178/108-000



PCB Design

Symbol and Footprint via SamacSys 734-178/108-000
Symbol and Footprint via Ultra Librarian 734-178/108-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 734-118/107-000
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray

Item No.: 2734-118/107-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 18-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



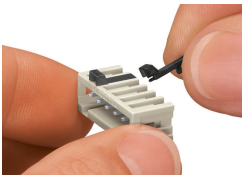
[Item No.: 734-159](#)
Coding key; to be snapped above top level; black



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

Installation Notes

Coding



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