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

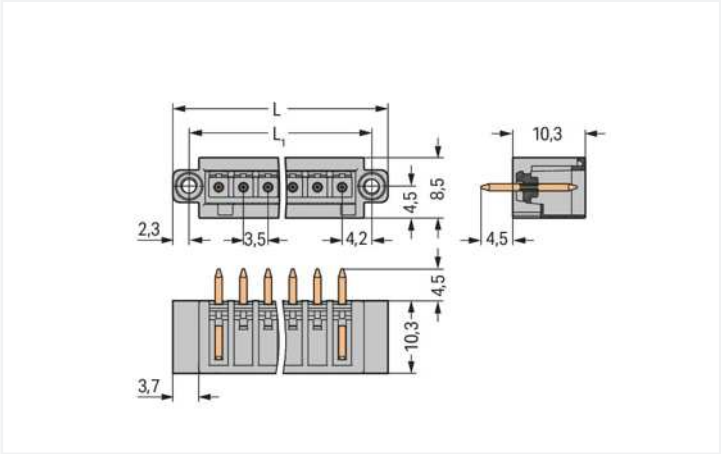
THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismating; Threaded flange; Pin spacing 3.5 mm; 20-pole; light gray

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

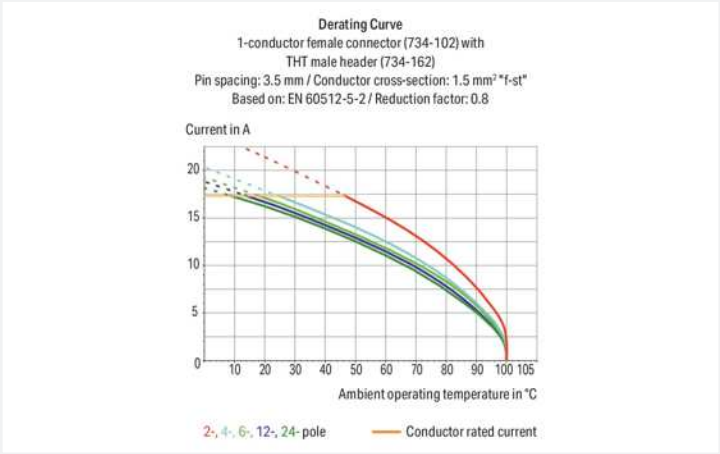


Color: light gray

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 mismating; 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	20
Number of connection types	1
Number of levels	1

Connection 1

Pole number	20

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

Continued on next page

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

 Continued on next page

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 1949.09 KB

CAD/CAE-Data

CAD data

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

CAE data

ZUKEN Portal
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 mismating; 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 mismating; 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).