

Data Sheet | Item Number: 734-154/108-000

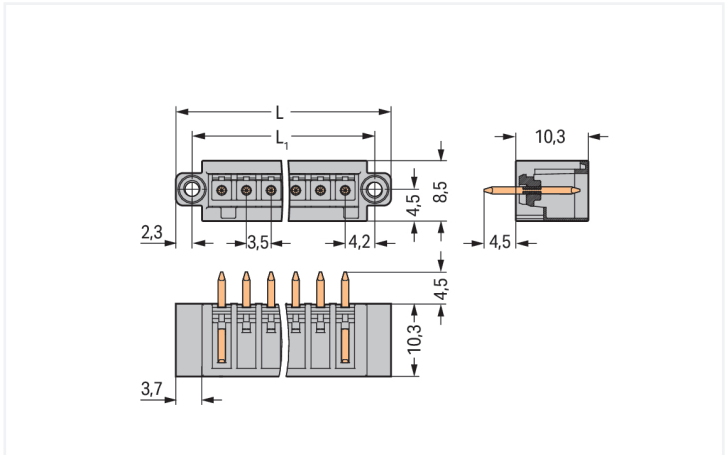
THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 24-pole; light gray

<https://www.wago.com/734-154/108-000>

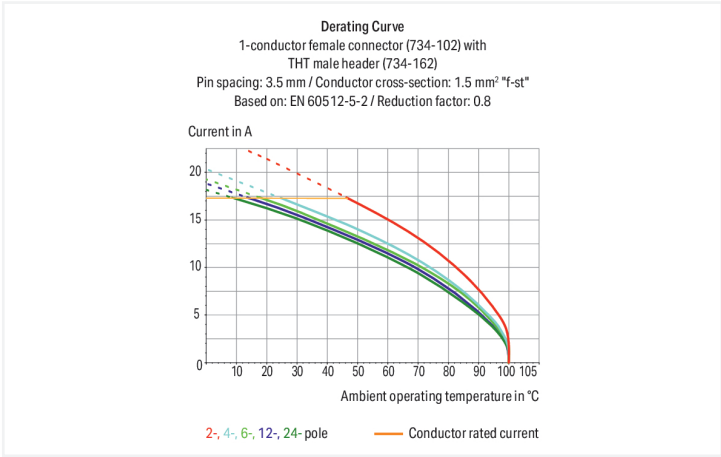


Color: ■ light gray

Similar to illustration



Dimensions in mm
L = (pole no. x pin spacing) + 9.5 mm
L1 = (pole no. x pin spacing) + 4.9 mm



Stiftleiste Serie 734 mit Rastermaß 3,5 mm

Die Stiftleiste hat die Artikelnummer 734-154/108-000 und bietet eine saubere ordentliche Elektroinstallation. Setzen Sie beim Design-In Ihres Gerätes auf erprobte Sicherheit: Mit Leiterplatten-Steckverbindern erhalten Sie vielseitige Verwendungsmöglichkeiten. In Breite x Höhe x Tiefe sind die Maße (93,5 x 14,8 x 8,5) mm. Die Kontaktoberfläche ist aus Zinn. Das "Multi Connection System" – MCS von WAGO ist das vielfältige Steckverbindersystem mit überzeugenden Lösungen für Ihre Anwendungen. Der Leiterplatten-Steckverbinder wird mittels THT auf die Platine gelötet.

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				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	24	Connection 1	
Number of connection types	1	Pole number	24
Number of levels	1		

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	93.5 mm / 3.681 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 (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{CU})
Contact Plating	Tin
Fire load	0.095 MJ
Weight	6 g

Environmental requirements	
Limit temperature range	-60 ... +100 °C
Processing temperature	-35 ... +60 °C
Environmental Testing (Environmental Conditions)	
Test specification Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06
Test procedure Railway applications – Rolling stock equipment – Shock and vibration tests	DIN EN 61373 (VDE 0115-0106):2011-04
Spectrum/Installation location	Service life test, Category 1, Class A/B
Function test with noise-like vibration	Test passed according to Section 8 of the standard
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz f ₁ = 5 Hz to f ₂ = 150 Hz
Acceleration	0.101g (highest test level used for all axes) 0.572g (highest test level used for all axes) 5g (highest test level used for all axes)
Test duration per axis	10 min. 5 h
Test directions	X, Y and Z axes X, Y and Z axes X, Y and Z axes
Monitoring for contact faults/interruptions	Passed
Voltage drop measurement before and after each axis	Passed
Simulated service life test through increased levels of noise-like vibration	Test passed according to Section 9 of the standard
Extended test scope: Monitoring for contact faults/interruptions	Passed Passed
Extended test scope: Voltage drop measurement before and after each axis	Passed Passed
Shock test	Test passed according to Section 10 of the standard
Shock form	Half sine
Shock duration	30 ms
Number of shocks per axis	3 pos. und 3 neg.
Vibration and shock stress for rolling stock equipment	Passed



Commercial data	
Product Group	3 (Multi Conn. System)
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454759117
Customs tariff number	85366930000

Product classification	
UNSPSC	39121409
eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-02
ETIM 9.0	EC002637
ETIM 8.0	EC002637
ECCN	NO US CLASSIFICATION

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)	ce83b721-8163-4acb-a17f-b84729e33b54
SCIP notification number (Belgium)	b323bd53-25ef-48d3-9138-f064f6311534
SCIP notification number (Bulgaria)	896466d7-da1d-408f-a211-a3483cda3db3
SCIP notification number (Czech Republic)	b076daa2-a3f7-41f0-b3bf-ae17dc417822
SCIP notification number (Denmark)	2e898b72-370b-4ffb-a74e-fd59236cf64e
SCIP notification number (Finland)	b80de98e-344d-4849-b20f-a5a5e000efa0
SCIP notification number (France)	0a710a40-5b84-4db8-abdb-49a00c733037
SCIP notification number (Germany)	b961369d-bb20-49ed-97b3-58dc0eb49a60
SCIP notification number (Hungary)	4380d5e9-b077-42fe-adde-8478ab5417b4
SCIP notification number (Italy)	c79403aa-cd1f-4ceb-8ebd-da4d43037783
SCIP notification number (Netherlands)	6243ff23-33b1-4fbf-bb70-57e65100236f
SCIP notification number (Poland)	412b805d-8e14-4e9e-9b52-cabf275038ab
SCIP notification number (Romania)	66ae6364-f229-4250-baeb-2f51de6901ae
SCIP notification number (Sweden)	4345f65d-84dd-4cd5-9292-bff27aea52ab

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 734-154/108-000



Documentation

Additional Information
Technical Section 03.04.2019 pdf 2027.26 KB



CAD/CAE-Data

CAD data
2D/3D Models 734-154/108-000



CAE data
ZUKEN Portal 734-154/108-000



PCB Design

Symbol and Footprint via SamacSys 734-154/108-000
Symbol and Footprint via Ultra Librarian 734-154/108-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 734-124/107-000](#)
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 24-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray



[Item No.: 2734-124/107-000](#)
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 24-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

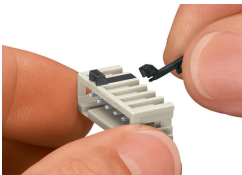


[Item No.: 734-159](#)
Coding key; to be snapped above top level; black

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

Installation Notes

Coding



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