

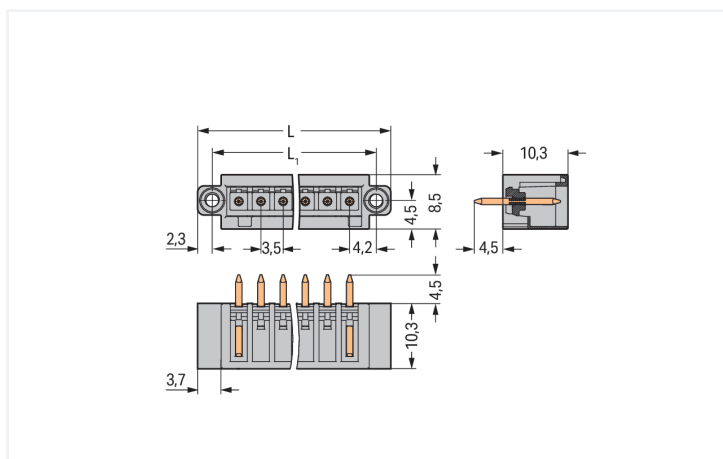
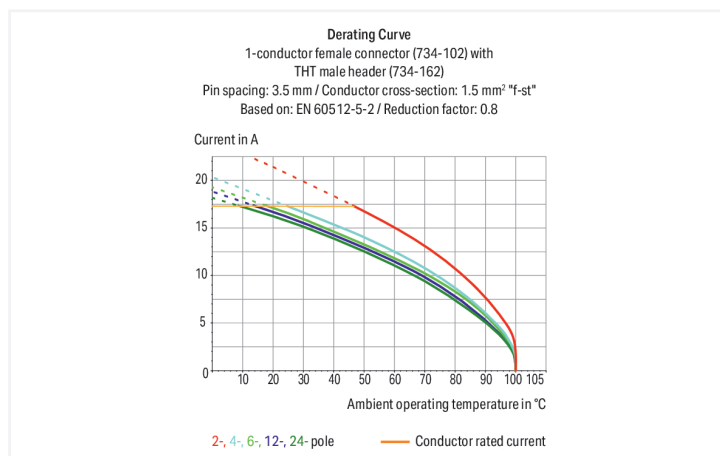
Data Sheet | Item Number: 734-135/108-000

THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismating;
Threaded flange; Pin spacing 3.5 mm; 5-pole; light gray

<https://www.wago.com/734-135/108-000>



Color: ■ light gray



Dimensions in mm

$L = (\text{pole no.} \times \text{pin spacing}) + 9.5 \text{ mm}$
 $L_1 = (\text{pole no.} \times \text{pin spacing}) + 4.9 \text{ mm}$

Male connector, 734 Series, solder pin dimensions 1 x 1 mm

Our male connector (item number 734-135/108-000) is designed for seamless electrical installations. The item's dimensions are (27 x 14.8 x 8.5) mm (width x height x depth).

Tin is used for coating the contact surfaces. The pcb connector is designed for THT soldering.

Notes	
Safety Information	The MCS – <i>MULTI CONNECTION SYSTEM</i> 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 impulse withstand 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	5
Number of connection types	1
Number of levels	1
Connection 1	
Pole number	5

Physical data	
Pin spacing	3.5 mm / 0.138 inches
Width	27 mm / 1.063 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	1.4 (+0.1) mm

Mechanical data	
Variable coding	Yes
Anti-rotation protection	Yes

PCB contact	THT
Solder pin arrangement	over the entire male connector (in-line)
Number of solder pins per potential	1

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	0.027 MJ
Weight	1.9 g

Limit temperature range	-60 ... +100 °C
Processing temperature	-35 ... +60 °C

Environmental Testing	
Test specification: Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06
Test procedure: Railway applications – Rolling stock equipment – Vibration and shock tests	DIN EN 61373 (VDE 0115-0106):2011-04
Spectrum/Mounting location	Service life test, Category 1, Class A/B
Functional test with noise-like oscillations	Test passed according to Section 8 of the standard
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz
Acceleration	0.101g (highest test level used for all axes)
Test duration per axis	10 min.
Test directions	X, Y and Z axes
Monitoring of contact faults and interruptions	Passed
Voltage drop measurement before and after each axis	Passed
Simulated service life test through increased levels of noise-like oscillations	Test passed according to Section 9 of the standard
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz
Acceleration	0.572g (highest test level used for all axes)
Test duration per axis	5 h
Test directions	X, Y and Z axes
Extended testing: Monitoring of contact faults and interruptions	Passed
Extended testing: Voltage drop measurement before and after each axis	Passed
Shock test	Test passed according to Section 10 of the standard
Shock pulse form	Half sine



Environmental Testing	
Acceleration	5g (highest test level used for all axes)
Shock duration	30 ms
Number of shocks (per axis)	3 pos. und 3 neg.
Test directions	X, Y and Z axes
Extended testing: Monitoring of contact faults and interruptions	Passed
Extended testing: Voltage drop measurement before and after each axis	Passed
Vibration and shock stress for rolling stock equipment	Passed

Commercial data	
Product Group	3 (Multi Conn. System)
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454682972
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 10.0	EC002637
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c)
SCIP notification number (Austria)	5d300c43-52ae-43c1-8eb8-a23bd966654e
SCIP notification number (Belgium)	83e832d8-4fa5-4505-ada1-16d06314c22e
SCIP notification number (Bulgaria)	d40dcd05-70e7-4b63-b0e9-3bbc1d07b538
SCIP notification number (Czech Republic)	02985cd9-8d86-4516-9321-3947148daf56
SCIP notification number (Denmark)	e602e69f-3d61-4f89-aa83-a5af81c4c6d9
SCIP notification number (Finland)	2c443084-91fd-4621-bedb-9029af4ba1b9
SCIP notification number (France)	e8073d4e-3270-49dc-842b-4cda2b890ad2
SCIP notification number (Germany)	3d0ade7b-d581-443c-b34b-e832fba99b2
SCIP notification number (Hungary)	efebc393-0696-4e1a-b1ec-4c248df1f70b
SCIP notification number (Italy)	625b7d94-f71a-4df3-8d79-01b15852b533
SCIP notification number (Netherlands)	cdb5cd9-a294-4312-bfbc-b03ff195315f
SCIP notification number (Poland)	d2cab96-0437-48e2-b409-4e23eaa90a89
SCIP notification number (Romania)	b9081f5a-bfc1-446c-9bee-46a9af4729c4
SCIP notification number (Sweden)	4f633a88-79c3-4691-b9d6-2124bfccec4a4



Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2	1465035
UL Underwriters Laboratories Inc.	UL 1977	E 45171

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/E0 BV

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 734-135/108-000



Documentation

Additional Information
Technical Section 03.04.2019 pdf 2027.26 KB



CAD/CAE-Data

CAD data
2D/3D Models 734-135/108-000



CAE data
ZUKEN Portal 734-135/108-000



PCB Design

Symbol and Footprint via SamacSys 734-135/108-000
Symbol and Footprint via Ultra Librarian 734-135/108-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 734-105/107-000
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 5-pole; 100% protected against mismatching; Screw flange; light gray



Item No.: 2734-105/107-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 5-pole; 100% protected against mismatching; Screw flange; light gray

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



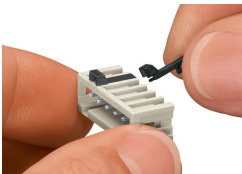
Item No.: 734-159
Coding key; to be snapped above top level; black



Item No.: 734-130
Coding key; to be snapped above top level; white

Installation Notes

Coding



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