

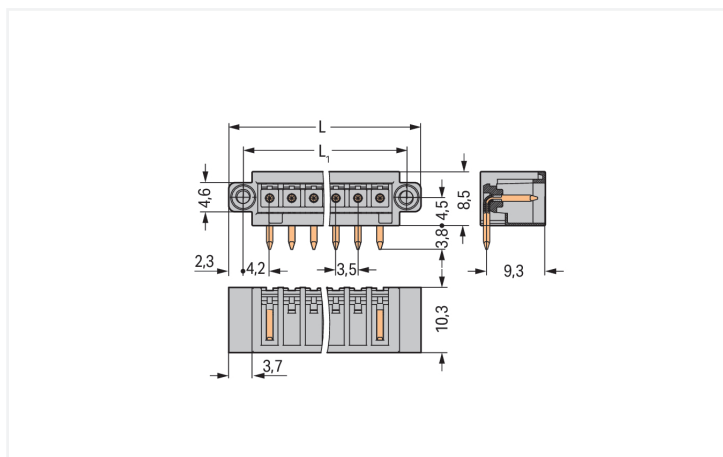
Data Sheet | Item Number: 734-180/108-000

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

<https://www.wago.com/734-180/108-000>

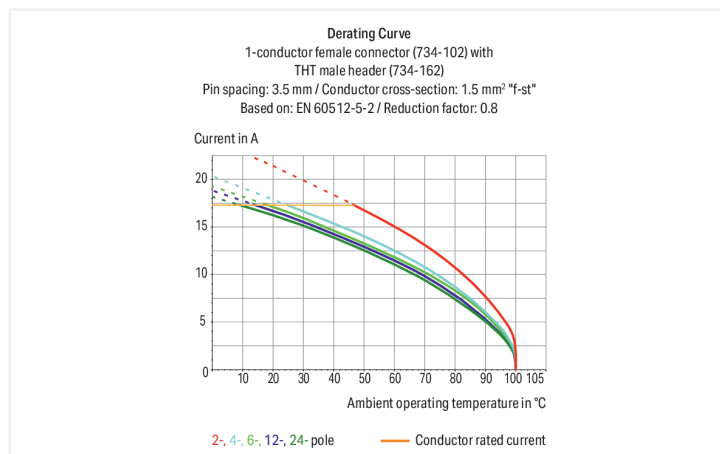


Color: ■ light gray



Dimensions in mm

$L = (\text{pole no.} \times \text{pin spacing}) + 9.5 \text{ mm}$
 $L1 = (\text{pole no.} \times \text{pin spacing}) + 4.9 \text{ mm}$



Male connector, 734 Series, with 3.5 mm pin spacing

Our male connector (item number 734-180/108-000) ensures effortless electrical installations. The item's dimensions are (79.5 x 12.3 x 10.3) mm (width x height x depth).

Tin is used for coating the contact surfaces. THT is used to assemble the pcb connector.



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 impulse withstand 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	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 (main housing)		Polyamide (PA66)
Flammability class per UL94		V0
Contact material		Electrolytic copper (E _{Cu})
Contact Plating		Tin
Fire load		0.081 MJ
Weight		5.7 g

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

Commercial data		
Product Group		3 (Multi Conn. System)
PU (SPU)		50 pcs
Packaging type		Box
Country of origin		PL
GTIN		4045454759162
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)	a469fecf-152a-4b82-b1d0-2e93e8468757
SCIP notification number (Belgium)	27360a9d-afdb-4144-9616-82d5ba39ce08
SCIP notification number (Bulgaria)	b7487bc0-7c56-4b5b-a297-d251ce8bc8c4
SCIP notification number (Czech Republic)	871f026a-27a2-4a0d-abf8-3cfc5ed613f0
SCIP notification number (Denmark)	3ff7ea35-badb-47ed-897d-dd4cb5a67732
SCIP notification number (Finland)	31e5b191-67cd-43d1-9ef7-5b2596548600
SCIP notification number (France)	71d9e221-12cd-40bc-8a23-25923877bf03
SCIP notification number (Germany)	eea26a99-a406-4840-82c6-5247b4ca9b15
SCIP notification number (Hungary)	339c3f60-7b63-4d7c-9e2a-25e3bb8b1685
SCIP notification number (Italy)	2e38d53e-7416-4d6b-85e4-1dd8ab28019e
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SCIP notification number (Poland)	bed00476-8e1a-4f87-b873-26841c7dc219
SCIP notification number (Romania)	5f3976b5-c9c7-4bee-959e-233b7fe34997
SCIP notification number (Sweden)	c5f5e9b4-aa6d-4bee-8869-e1701d93f757

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
734-180/108-000

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Documentation

Additional Information

Technical Section

03.04.2019

pdf
2027.26 KB

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CAD/CAE-Data

CAD data

2D/3D Models
734-180/108-000

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CAE data

ZUKEN Portal
734-180/108-000

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PCB Design

Symbol and Footprint
via SamacSys
734-180/108-000

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Symbol and Footprint
via Ultra Librarian
734-180/108-000

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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 mismatching; 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 mismatching; Screw flange; 1,50 mm²; light gray

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



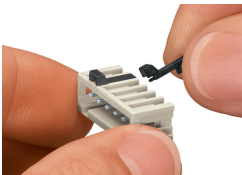
Item No.: 734-159
Coding key; to be snapped above top level; black



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

Installation Notes

Coding



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