

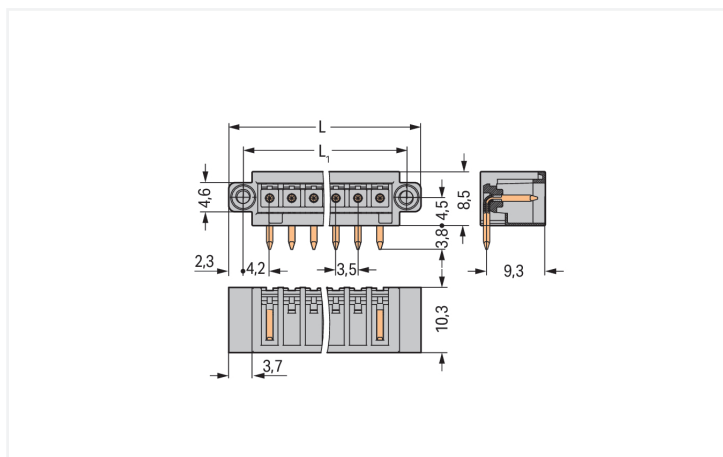
Data Sheet | Item Number: 734-166/108-000

THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 6-pole; light gray

<https://www.wago.com/734-166/108-000>

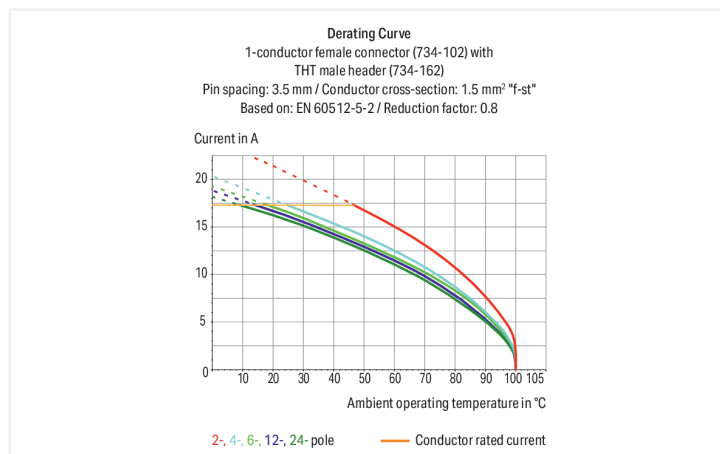


Color: ■ light gray



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

Enjoy easy electrical installations with this male connector (item number 734-166/108-000). The dimensions are (30.5 x 12.3 x 10.3) 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 – 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	6
Number of connection types	1
Number of levels	1

Connection 1	
Pole number	6

Physical data	
Pin spacing	3.5 mm / 0.138 inches
Width	30.5 mm / 1.201 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	0.034 MJ
Weight	2.3 g

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

Commercial data	
Product Group	3 (Multi Conn. System)
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454683078
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)	eed4064b-b28c-4757-a5c9-f33910907d90
SCIP notification number (Belgium)	60c7fa3b-4595-4681-a496-cba60cebca29
SCIP notification number (Bulgaria)	b170c0d5-14e4-4475-a233-07f0d29f069c
SCIP notification number (Czech Republic)	4bbf86e3-83bb-4045-9a54-aa50340ce230
SCIP notification number (Denmark)	0ac6f144-dd03-484c-8763-bc0cbd6b01b5
SCIP notification number (Finland)	ade61cb0-ac03-4358-b0b6-ed6f65b90885
SCIP notification number (France)	4d0057b4-c7eb-4fd8-be90-f1ee832a2afd
SCIP notification number (Germany)	e48d0ffc-eabc-48a3-a683-3c711764e9f5
SCIP notification number (Hungary)	95178982-c40d-42e6-a1f3-2bdaafb0d1bf
SCIP notification number (Italy)	aa140b1f-6ccf-4cf2-90a1-dc67efad5512
SCIP notification number (Netherlands)	b322828d-24f9-4b62-898e-d031b46a6e09
SCIP notification number (Poland)	b4154e5f-58ef-471f-9f21-2e35cd17683c
SCIP notification number (Romania)	96680bc0-bc5e-41b1-bf86-2e2dbc82a5f7
SCIP notification number (Sweden)	a6ac9492-6eab-4ea3-8ee3-5dd06788a674

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
734-166/108-000

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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
734-166/108-000

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CAE data

ZUKEN Portal
734-166/108-000

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PCB Design

Symbol and Footprint
via SamacSys
734-166/108-000

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Symbol and Footprint
via Ultra Librarian
734-166/108-000

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1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 734-106/107-000
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray

Item No.: 2734-106/107-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 6-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

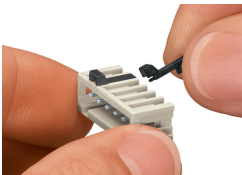


Item No.: 734-159
Coding key; to be snapped above top level; black

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

Installation Notes

Coding



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