

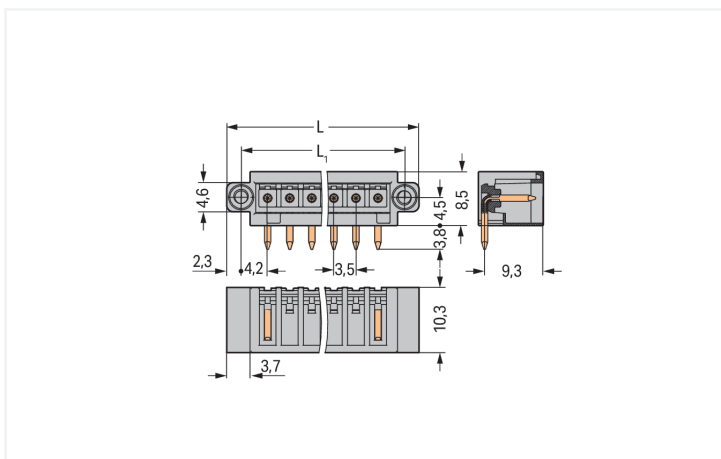
# Data Sheet | Item Number: 734-162/108-000

THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 2-pole; light gray

<https://www.wago.com/734-162/108-000>



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, light gray

This male connector (item number 734-162/108-000) simplifies electrical installations. Dimensions: (16.5 x 12.3 x 10.3) mm (width x height x depth).

Tin is used for coating the contact surfaces. THT is used to solder 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			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

		Connection 1	
Total number of potentials	2	Pole number	2
Number of connection types	1		
Number of levels	1		

## Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	16.5 mm / 0.65 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)	<a href="#">Information on material specifications can be found here</a>
Color	light gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact Plating	Tin
Fire load	0.017 MJ
Weight	1.3 g

### Environmental requirements

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

### Commercial data

Product Group	3 (Multi Conn. System)
PU (SPU)	200 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454683009
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)	c53cc8d5-279a-41ce-a29f-4cc515ebb646
SCIP notification number (Belgium)	e505f15c-7ce9-484b-8adf-5bf6dbfddd7
SCIP notification number (Bulgaria)	29879561-6a34-4a95-8218-b6cbd7352da6
SCIP notification number (Czech Republic)	e4c34c6f-85be-4fca-a6af-b684e6e99d8a
SCIP notification number (Denmark)	6cffd92b-1ee9-4be3-8e52-d1be51f4bcdb
SCIP notification number (Finland)	0c26b037-ca6f-49dc-88fc-b01a935cd20c
SCIP notification number (France)	b4b1d61e-52e7-4119-bb76-a5c8061ace65
SCIP notification number (Germany)	7ae2cb9d-3cb3-4ac1-a40a-1afeea842bf6
SCIP notification number (Hungary)	b83ae4c6-0978-4382-a749-c784322b67ac
SCIP notification number (Italy)	6960ce86-97fe-41c2-9d7a-eb2d4bedbd3b
SCIP notification number (Netherlands)	ae006bf4-e924-4d40-a06c-8a39a415eac3
SCIP notification number (Poland)	2d9f7eca-0b01-422e-b386-6dd6b6060308
SCIP notification number (Romania)	e6bc449f-841d-41ed-b399-9c59c6b16be1
SCIP notification number (Sweden)	b85cfab8-d678-4ad9-8313-7cdc5530f61c

### Downloads

#### Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 734-162/108-000	<a href="#">↓</a>

### Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	<a href="#">↓</a>

### CAD/CAE-Data

CAD data	
2D/3D Models 734-162/108-000	<a href="#">↓</a>

CAE data	
ZUKEN Portal 734-162/108-000	<a href="#">↓</a>

### PCB Design

Symbol and Footprint via SamacSys 734-162/108-000	<a href="#">↓</a>
Symbol and Footprint via Ultra Librarian 734-162/108-000	<a href="#">↓</a>

## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Female connector/socket



**Item No.:** [734-102/107-000](#)

1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 100% protected against mismatching; Screw flange; light gray

**Item No.:** [2734-102/107-000](#)

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-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

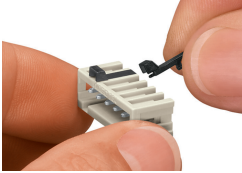


**Item No.:** [734-130](#)

Coding key; to be snapped above top level; white

## Installation Notes

### Coding



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