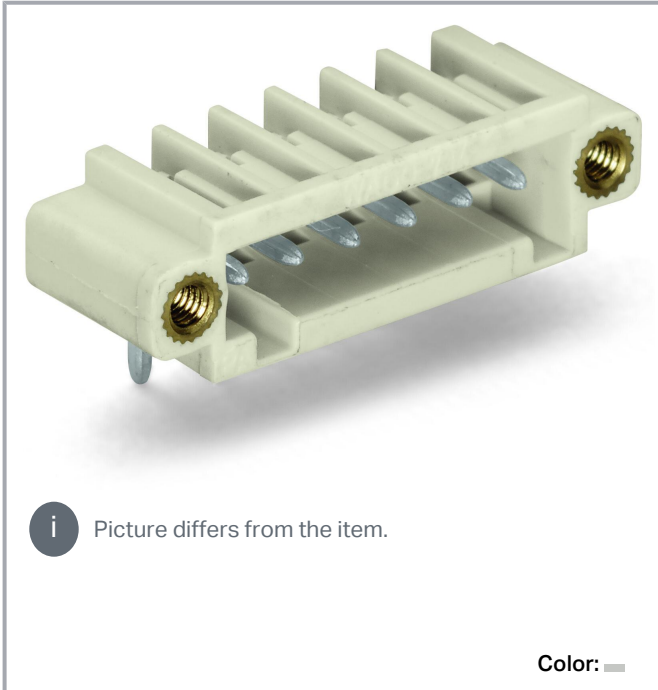


**Data sheet | Item number: 734-173/108-000**

THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 13-pole; light gray



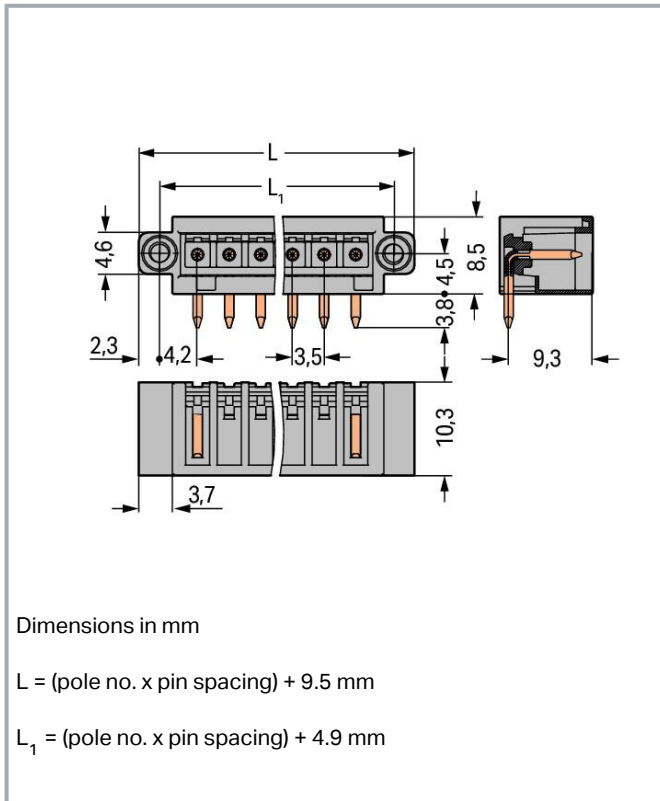
[www.wago.com/734-173/108-000](http://www.wago.com/734-173/108-000)



Subject to changes. Please also observe the further product documentation!

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## Item description

- Horizontal or vertical PCB mounting via straight or angled solder pins
- 100% protected against mismatching; only mating halves with the same number of poles can be connected together
- Coding option available

## Data

### 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/>.

Subject to changes. Please also observe the further product documentation!

## Electrical data

### Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	160 V
Rated impulse voltage (III/3)	2.5 kV
Rated voltage (III/2)	160 V
Rated impulse voltage (III/2)	2.5 kV
Nominal voltage (II/2)	320 V
Rated surge voltage (II/2)	2.5 kV
Rated current	10 A
Legend (ratings)	(III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2

### Ratings per UL 1059

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	10 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

### Ratings per CSA

Approvals per	CSA
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	10 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

### Connection data

Total number of potentials	13
Number of connection types	1
Number of levels	1

### Connection 1

Pole number	13
-------------	----

Subject to changes. Please also observe the further product documentation!



## Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	55 mm / 2.165 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 <sup>(+0.1)</sup> 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
Plugging without loss of pin spacing	No
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	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E <sub>Cu</sub> )

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Contact plating	Tin
Fire load	0.057 MJ
Weight	4 g

### Environmental requirements

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

### Commercial data

Product Group	3 (Multi Conn. System)
eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-02
ETIM 8.0	EC002637
ETIM 7.0	EC002637
PU (SPU)	100 pcs
Packaging type	box
Country of origin	DE
GTIN	4045454759148
Customs tariff number	85366990990

### Environmental Product Compliance

CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	61a460e3-32c1-409e-bd88-423da1ea2fc6
SCIP notification number (Belgium)	5097369a-b7e3-44d7-9e44-1b1a671e697a
SCIP notification number (Bulgaria)	943f747f-2a3a-4061-8006-6f7947f4d77a
SCIP notification number (Czech Republic)	3934dcc6-07fc-4850-bc1f-9aee37851afb
SCIP notification number (Denmark)	4042ea3b-a2c7-4ca7-88fb-43368fc75c3d
SCIP notification number (Finland)	95fe16e5-630e-4a95-89ab-e04f90ef4276
SCIP notification number (France)	2471b351-5ddb-481d-8fe3-9d5e6efbb66c
SCIP notification number (Germany)	ab5e97b3-2071-4d09-96b3-cce1ceae90fb
SCIP notification number (Hungary)	8614ed72-b571-409a-9e3b-2ccba9a55565

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SCIP notification number (Italy)	811dc429-bbe6-4889-9ed4-d020abec61be
SCIP notification number (Netherlands)	42467faa-9d59-400d-90e3-c07062e8200b
SCIP notification number (Poland)	2d4d2e7a-c8af-45b0-8a11-2e9a05c5d2a0
SCIP notification number (Romania)	ee074979-8e73-4499-8e64-c8045a2b8cad
SCIP notification number (Sweden)	89aac51b-5174-4679-ab1e-8768ea12bc80

## Counterpart



### Item no.734-113/107-000

1-conductor female connector; CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 13-pole; 100% protected against mismatching; Screw flange; 1,50 mm<sup>2</sup>; light gray

[www.wago.com/734-113/107-000](http://www.wago.com/734-113/107-000)



### Item no.2734-113/107-000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 13-pole; 100% protected against mismatching; Screw flange; 1,50 mm<sup>2</sup>; light gray

[www.wago.com/2734-113/107-000](http://www.wago.com/2734-113/107-000)

## Optional accessories

### Coding

#### Coding



### Item no.: 734-159

Coding key; to be snapped above top level; black

[www.wago.com/734-159](http://www.wago.com/734-159)



### Item no.: 734-130

Coding key; to be snapped above top level; white

[www.wago.com/734-130](http://www.wago.com/734-130)

## Downloads

### Documentation

#### Additional Information

Technical Section	2019 Apr 3	pdf	Download
Technical explanations		2.0 MB	

## CAD/CAE-Data

### CAD data

2D/3D Models 734-173/108-000	URL	Download
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### PCB Design

Symbol and Footprint 734-173/108-000	URL	Download
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CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

**Supported formats:**

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

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**CAE data**

ZUKEN Portal 734-173/108-000	<a href="#">URL</a>	<a href="#">Download</a>
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**Environmental Product Compliance**

**Compliance Search**

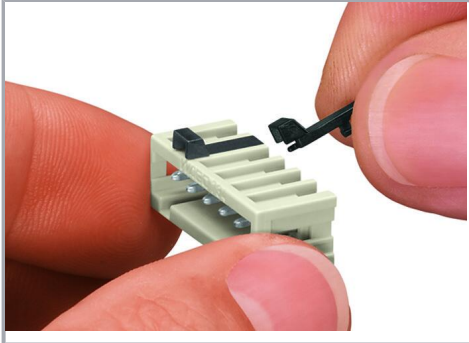
Environmental Product Compliance 734-173/108-000 THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 13-pole; light gray	<a href="#">URL</a>	<a href="#">Download</a>
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Subject to changes. Please also observe the further product documentation!

## Installation Notes

### Coding



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

## Product family

**MCS MINI**

[Show all products from the family](#)

Subject to changes. Please also observe the further product documentation!