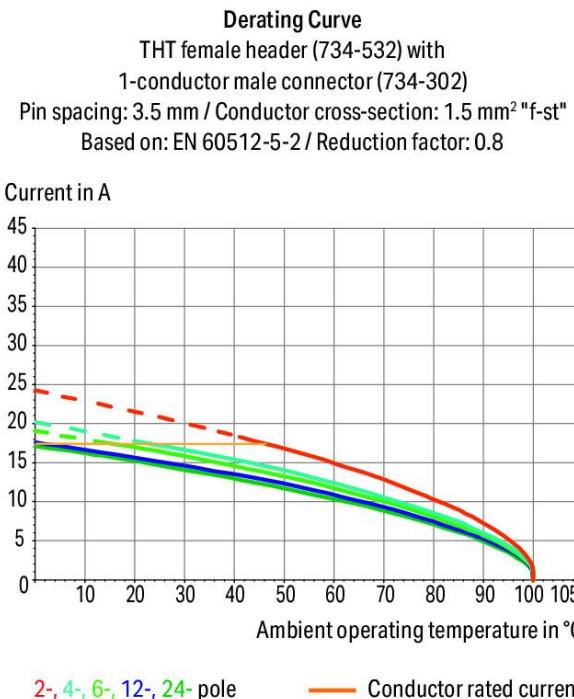


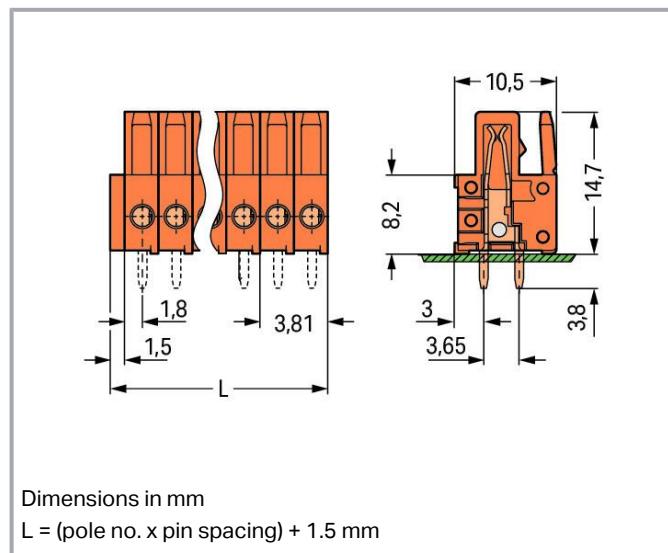


Picture differs from the item.

Color:



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



## Item description

- Horizontal or vertical PCB mounting via straight or angled solder pins
- Integrated test ports for 2 mm Ø test plugs
- For board-to-board and board-to-wire connections
- Touch-proof PCB outputs
- Easy-to-identify inputs and outputs
- 100% protected against mismatching
- 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/>.

## Electrical data

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

## 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) $\triangleq$ Overvoltage category III / Pollution degree 2

## Ratings per UL

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

Connection points	8
Total number of potentials	8
Number of connection types	1
Number of levels	1

## Connection 1

Pole number	8
-------------	---

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

## Physical data

Pin spacing	3.81 mm / 0.15 inches
Width	31.98 mm / 1.259 inches
Height	18.5 mm / 0.728 inches
Height from the surface	14.7 mm / 0.579 inches
Depth	10.5 mm / 0.413 inches
Solder pin length	3.8 mm
Solder pin dimensions	0.9 x 0.9 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)	Female connector/socket
Connector (connection type)	for PCB
Mismating protection	Yes
Plugging without loss of pin spacing	No
Mating direction to the PCB	90 °
Locking of plug-in connection	none

## PCB contact

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

## Material data

### Note (material data)

Information on material specifications can be found here

Color	orange
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0

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

Contact material	Copper alloy
Contact plating	Tin
Fire load	0.069 MJ
Weight	4.9 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)	50 pcs
Packaging type	box
Country of origin	DE
GTIN	4045454120306
Customs tariff number	85366990990

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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### Approvals / Certificates

#### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	EN 61984	NL-54190
	CSA DEKRA Certification B.V.	C22.2	1465035
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	71- 105522

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



UL  
Underwriters Laboratories Inc.

UL 1977

E 45171



UR  
Underwriters Laboratories Inc.

UL 1059

E45172

### Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	DNV DNV GL SE	-	TAE000016Z
	LR Lloyds Register	IEC 61984	96/20035 (E5)

### Counterpart

	<b>Item no.734-338</b> 1-conductor male connector; CAGE CLAMP®; 1.5 mm <sup>2</sup> ; Pin spacing 3.81 mm; 8-pole; 100% protected against mismatching; 1,50 mm <sup>2</sup> ; orange	<a href="http://www.wago.com/734-338">www.wago.com/734-338</a>
	<b>Item no.734-338/019-000</b> 1-conductor male connector; CAGE CLAMP®; 1.5 mm <sup>2</sup> ; Pin spacing 3.81 mm; 8-pole; 100% protected against mismatching; clamping collar; 1,50 mm <sup>2</sup> ; orange	<a href="http://www.wago.com/734-338/019-000">www.wago.com/734-338/019-000</a>
	<b>Item no.734-238</b> THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Pin spacing 3.81 mm; 8-pole; orange	<a href="http://www.wago.com/734-238">www.wago.com/734-238</a>
	<b>Item no.734-238/046-000</b> THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Pin spacing 3.81 mm; 8-pole; orange	<a href="http://www.wago.com/734-238/046-000">www.wago.com/734-238/046-000</a>
	<b>Item no.734-268</b> THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Pin spacing 3.81 mm; 8-pole; orange	<a href="http://www.wago.com/734-268">www.wago.com/734-268</a>

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

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Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.

## Downloads

### Documentation

### Additional Information

2019 Apr 3

pdf  
2.1 MB

Download

## CAD/CAE-Data

### PCB Design

Symbol and Footprint via Ultra Librarian 734-508

URL

Download

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
- Altair
- Altium 6 to current version
- Autodesk Fusion 360
- 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

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

- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000
- Zuken eCADSTAR 2020 and 2021Zuken CR-5000 and CR-8000

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

##### Symbol and Footprint via SamacSys 734-508

URL

Download

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:

- 3D (stp)
- Altium
- CADSTAR
- Capture
- CircuitStudio
- CR-5000
- CR-8000
- DEHDL
- DesignSpark PCB
- DesignSpark PCB PRO
- DipTrace
- EAGLE
- Easy-PC
- EasyEDA
- eCADSTAR
- KiCad
- OrCAD\_Allegro16
- PADS
- Proteus
- Pulsonix
- Quadcept
- SOLIDWORKS PCB
- TARGET 3001!
- xDX Designer
- Xpedition

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

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PCB Component Libraries (EDA), PCB CAD Library SamacSys Electronic Component Search Engine

#### CAE data

ZUKEN Portal 734-508	URL	Download
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EPLAN Data Portal 734-508	URL	Download
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#### CAD data

2D/3D Models 734-508	URL	Download
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#### Asset Administration Shell

Asset Administration Shell 734-508	URL	Download
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## Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 734-508	URL	Download
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THT female header; straight; Pin spacing 3.81 mm; 8-pole; 100% protected against  
mismating; 0.9 x 0.9 mm solder pin; orange

## Installation Notes

## Product family

### MCS MINI

[Show all products from the family](#)

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

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