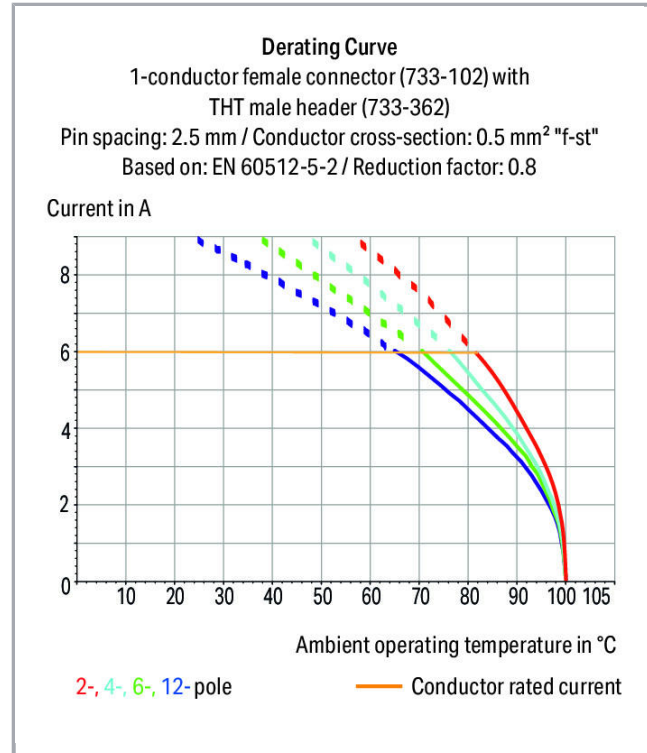


Data sheet | Item number: 733-372

THT male header; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; Pin spacing 2.5 mm; 12-pole; light gray

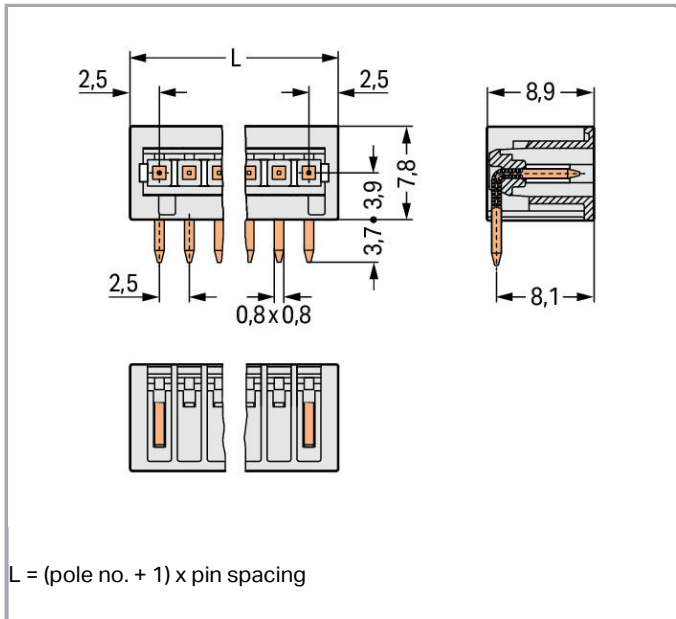
www.wago.com/733-372



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.



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 via coding fingers

Safety information 1:

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. The circuit design should ensure header pins, which can be touched, are not live when unmated.

Data

Electrical data

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	80 V
Rated surge voltage (III/3)	2.5 kV
Rated voltage (III/2)	160 V
Rated surge voltage (III/2)	2.5 kV
Nominal voltage (II/2)	320 V
Rated surge voltage (II/2)	2.5 kV
Rated current	6 A

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



Legend (ratings)

(III / 2) ≙ Overvoltage category III / Pollution degree 2

Approvals per UL 1059

Rated voltage UL (Use Group B)	150 V
Rated current UL (Use Group B)	4 A

Approvals per CSA

Rated voltage CSA (Use Group B)	150 V
Rated current CSA (Use Group B)	4 A

Connection data

Pole No.	12
Total number of potentials	12
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	2,5 mm / 0.098 inch
Width	32,5 mm / 1.28 inch
Height	11,5 mm / 0.453 inch
Height from the surface	7,8 mm / 0.307 inch
Depth	8,9 mm / 0.35 inch
Solder pin length	3.7 mm
Solder pin dimensions	0,8 x 0,8 mm
Drilled hole diameter with tolerance	1,1 ^(+0,1) mm

Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCB
Mismating protection	Yes
Mating direction to the PCB	0°

PCB contact

PCB contact	THT
Solder pin arrangement	over the entire male connector (in-line)

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

Number of solder pins per potential	1
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Material Data

Color	light gray
Material group	I
Insulation material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0.028 MJ
Weight	1.8 g

Environmental Requirements



Limit temperature range	-60 ... +100 °C
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Commercial data

Product Group	3 (Multi Conn. System)
Packaging type	BOX
Country of origin	DE
GTIN	4044918974486
Customs tariff number	85366990990

Approvals / Certificates




Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 61984	2169534.01
	CSA DEKRA Certification B.V.	C22.2	1465035



Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
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Subject to changes. Please also observe the further product documentation!

	ABS American Bureau of Shipping	-	19- HG1869876- PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z
	LR Lloyds Register	IEC 61984	96/20035 (E5)

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1977	E45171
	UR Underwriters Laboratories Inc.	UL 1059	E45172- 20180417

Counterpart

	Item no.733-112 1-conductor female plug; 100% protected against mismatching; 0.5 mm ² ; Pin spacing 2.5 mm; 12-pole; 0,50 mm ² ; light gray	www.wago.com/733-112
	Item no.733-112/037-000 1-conductor female plug; 100% protected against mismatching; Locking lever; 0.5 mm ² ; Pin spacing 2.5 mm; 12-pole; 0,50 mm ² ; light gray	www.wago.com/733-112/037-000

Compatible products

Coding

	Item no.: 733-330 Coding key; snap-on type; white	www.wago.com/733-330
	Item no.: 733-331 Coding key; snap-on type; black	www.wago.com/733-331

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



Downloads

CAD/CAE-Data

CAD data

2D/3D Models 733-372	URL	Download
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CAE data

EPLAN Data Portal 733-372	URL	Download
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PCB Design

Symbol and Footprint 733-372	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.

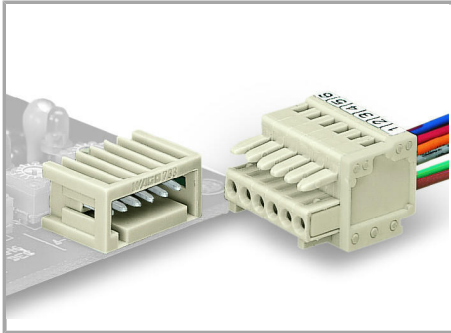
Supported formats:

- 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

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

Installation Notes

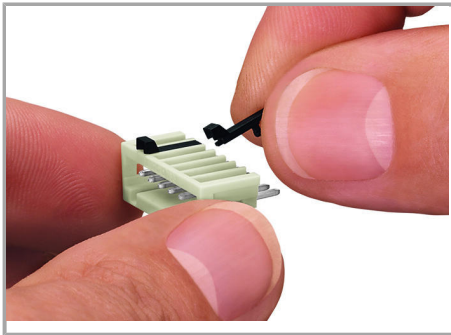
Mismatching protection



Male headers and female connectors are 100 % protected against mismatching.

Only mating halves with the same pole number can be connected.

Coding



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

Product family

<i>MCS</i> MICRO

[Show all products from the family](#)

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