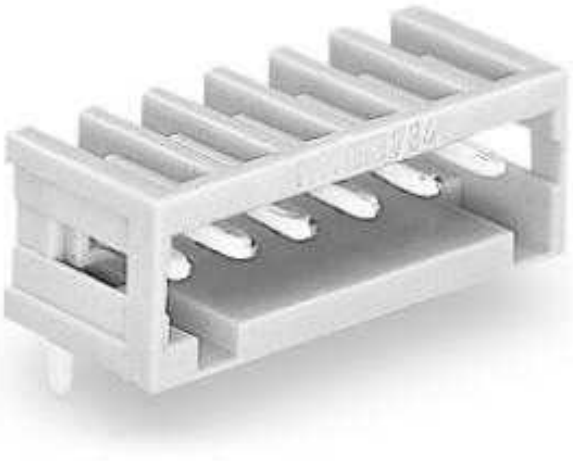
THT male header; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismating; Pin spacing 2.5 mm; 9-pole; light gray

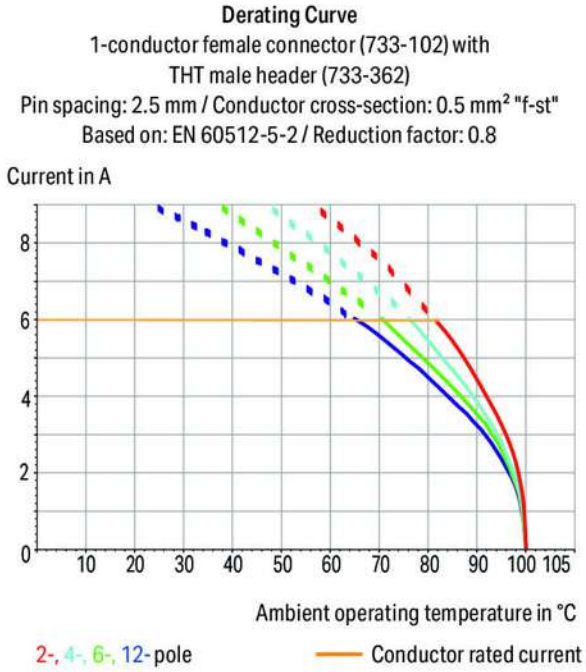
www.wago.com/733-369



RoHS ✓ Compliant

BOMcheck.net

Color:



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

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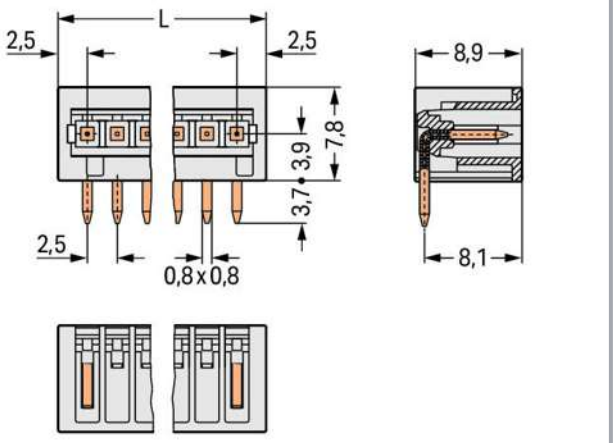

L = (pole no. + 1) x pin spacing

Item description

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

Safety information 1:
The *MULTI CONNECTION SYSTEM (MCS)* is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall 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
Rated voltage (III / 3)	80 V
Rated impulse voltage (III / 3)	2.5 kV
Rated voltage (III / 2)	160 V
Rated impulse voltage (III / 2)	2.5 kV
Rated voltage (II / 2)	320 V
Rated impulse voltage (II / 2)	2.5 kV
Rated current	6 A

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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	UL 1059

Approvals per CSA

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

Connection data

No. of poles	9
Total number of potentials	9
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	2.5 mm / 0.098 inch
Width	25 mm / 0.984 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 (tolerance)	1.1 $^{(+0.1)}$ mm

Plug connection

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

PCB contact

PCB contact	THT

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Solder pin arrangement	over the entire male connector, in line
Number of solder pins per potential	1

Material Data

Color	light gray
Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E_{Cu})
Contact plating	tin-plated
Fire load	0.021 MJ
Weight	1.4 g

Environmental Requirements

Limit temperature range	-60 … +100 °C

Commercial data

Product Group	3 (Multi Conn. System)
Packaging type	BOX
Country of origin	DE
GTIN	4045454998967
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 61984	2169534.01
	CCA DEKRA Certification B.V.	IEC 61984	NL-31141
	CSA DEKRA Certification B.V.	C22.2	1465035

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Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	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	20190122-E45172

Counterpart

	Item no.733-109 1-conductor female plug; 100% protected against mismating; 0.5 mm²; Pin spacing 2.5 mm; 9-pole; light gray	www.wago.com/733-109
	Item no.733-109/037-000 1-conductor female plug; 100% protected against mismating; Locking lever; 0.5 mm²; Pin spacing 2.5 mm; 9-pole; 0,50 mm²; light gray	www.wago.com/733-109/037-000

Compatible products

Coding

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	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

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download

CAD/CAE-Data

CAD data

2D/3D Models 733-369	URL	Download

PCB Design

Symbol and Footprint 733-369 CAx data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.	URL	Download

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

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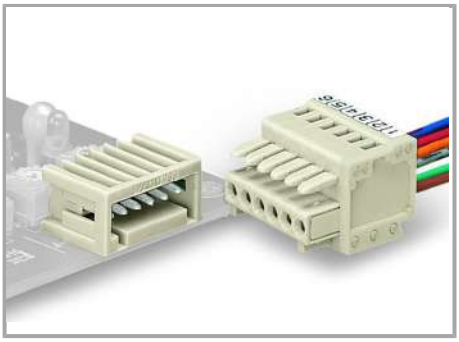
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

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

Installation Notes

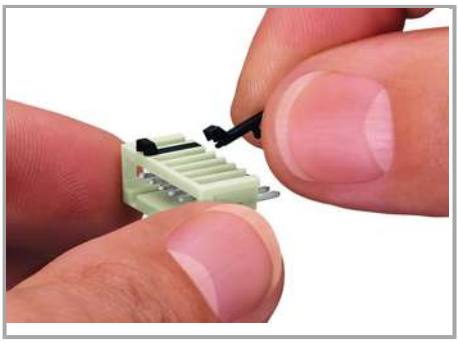
Protected Against Mismating



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

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

Coding



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

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Product family

MCS MICRO
Show all products from the family

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