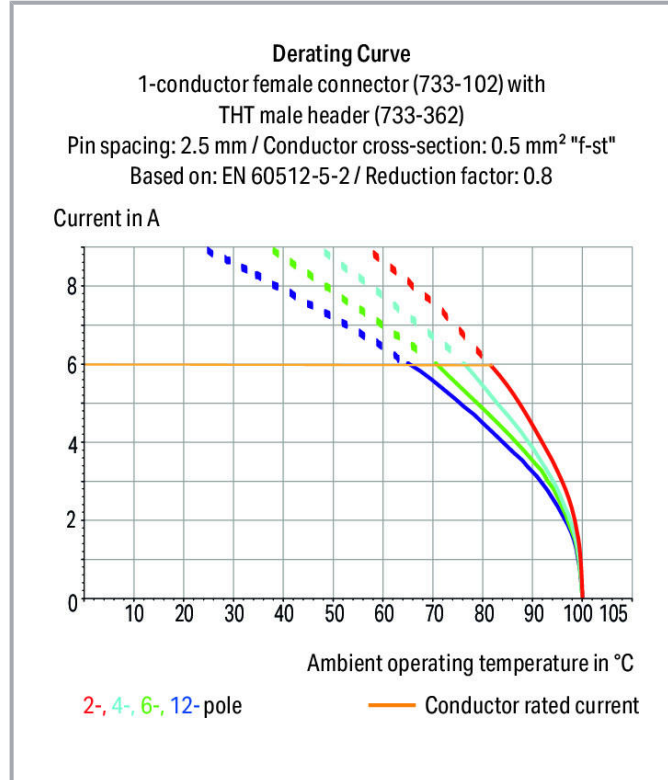


**Data sheet | Item number: 733-366**

THT male header; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; Pin spacing 2.5 mm; 6-pole; light gray



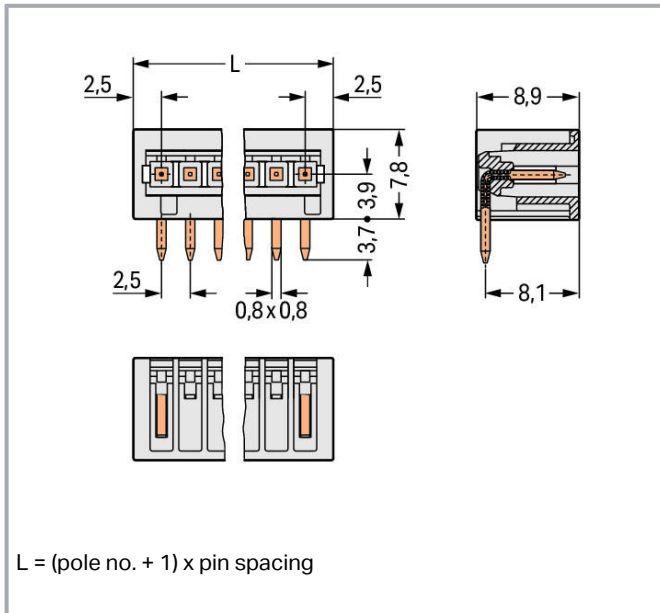
[www.wago.com/733-366](http://www.wago.com/733-366)



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

WAGO Kontakttechnik GmbH & Co. KG  
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We are always happy to take your call at +49 (571) 887-44222.



### Item description

- 100% protected against mismatching; only mating halves with the same pole number can be connected
- Coding option available

### 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

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

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Legend (ratings)

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

### Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	150 V
Rated current UL (Use Group B)	4 A

### Ratings per CSA

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

### Connection data

Pole No.	6
Total number of potentials	6
Number of connection types	1
Number of levels	1

### Physical data

Pin spacing	2.5 mm / 0.098 inch
Width	17.5 mm / 0.689 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 <sup>(+0.1)</sup> mm

### Plug-in connection

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

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

## PCB contact

PCB Contact	THT
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
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact plating	tin-plated
Fire load	0.015 MJ
Weight	1 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	PL
GTIN	4044918974400
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
	CCA DEKRA Certification B.V.	IEC 61984	NL-31141
	CSA	C22.2	1465035

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





DEKRA Certification B.V.

## Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	-	19- HG1869876- PDA
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z
	<b>LR</b> Lloyds Register	IEC 61984	96/20035 (E5)

## UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>UL</b> UL International Germany GmbH	UL 1977	E45171
	<b>UR</b> Underwriters Laboratories Inc.	UL 1059	E45172- 19950922

## Counterpart

**Item no.733-106**1-conductor female connector; 100% protected against mismatching; 0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 6-pole; [www.wago.com/733-106](http://www.wago.com/733-106)  
0,50 mm<sup>2</sup>; light gray**Item no.733-106/037-000**1-conductor female connector; 100% protected against mismatching; Locking lever; 0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 6-pole; 0,50 mm<sup>2</sup>; light gray [www.wago.com/733-106/037-000](http://www.wago.com/733-106/037-000)

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



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## Compatible products

### Coding

	<b>Item no.: 733-330</b> Coding key; snap-on type; white	<a href="http://www.wago.com/733-330">www.wago.com/733-330</a>
	<b>Item no.: 733-331</b> Coding key; snap-on type; black	<a href="http://www.wago.com/733-331">www.wago.com/733-331</a>

## Downloads

### Documentation

#### Additional Information

Technical explanations	Apr 3, 2019	pdf 2.0 MB	Download
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## CAD/CAE-Data

### CAD data

2D/3D Models 733-366	URL	Download
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### PCB Design

Symbol and Footprint 733-366	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

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- 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 733-366	<a href="#">URL</a>	<a href="#">Download</a>
EPLAN Data Portal 733-366	<a href="#">URL</a>	<a href="#">Download</a>

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#### Environmental Product Compliance

##### Compliance Search

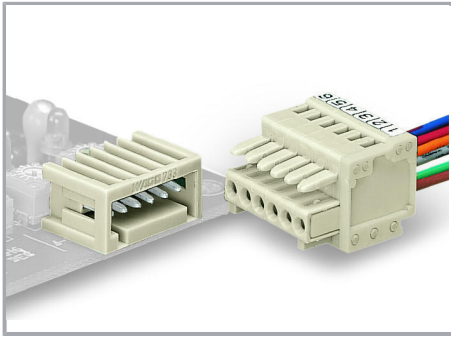
Environmental Product Compliance 733-366	<a href="#">URL</a>	<a href="#">Download</a>
THT male header; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; Pin spacing 2.5 mm; 6-pole; light gray		

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#### Installation Notes

##### Mismatching protection

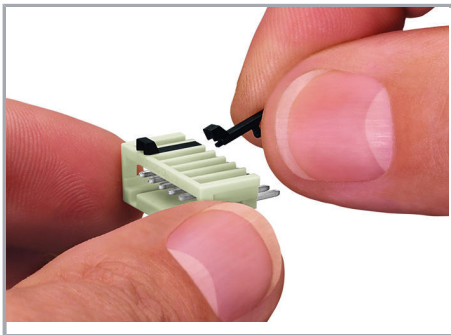
Subject to changes. Please also observe the further product documentation!



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

*MCS* MICRO

[Show all products from the family](#)

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