

Data sheet | Item number: 733-338/100-000

PressIn male connector; 100% protected against mismatching; Pin spacing 2.5 mm; 8-pole; light gray

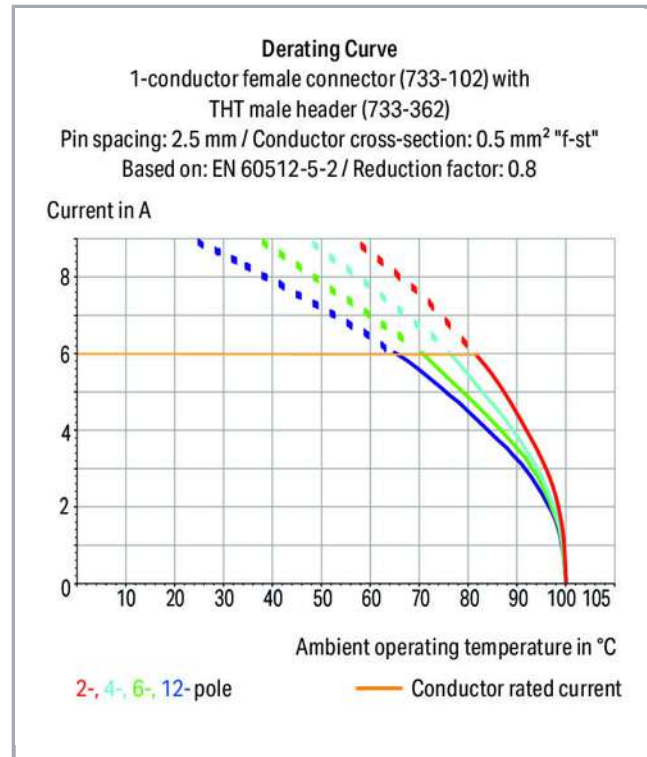
www.wago.com/733-338_100-000



RoHS Compliant

BOMcheck.net

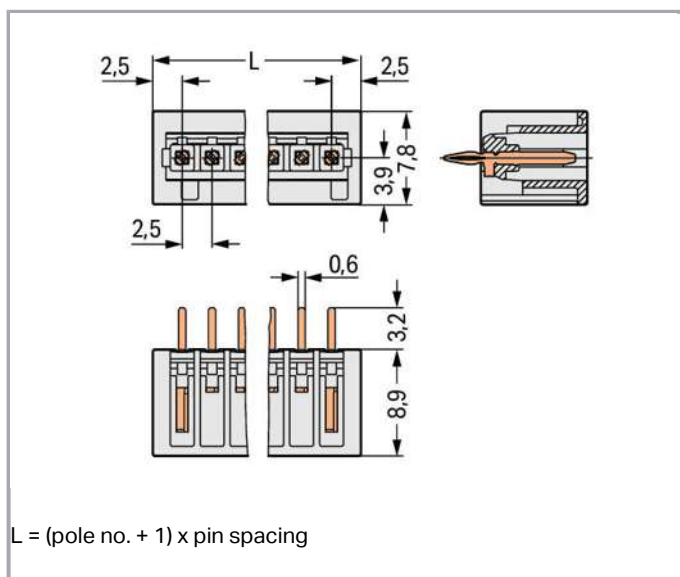
Color:



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

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Item description

- 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 *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	4 A
Legend (ratings)	(III / 2) \triangleq Overvoltage category III / Pollution degree 2

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

Geometrical Data

Pin spacing	2.5 mm / 0.098 inch
Width	22.5 mm / 0.886 inch
Height	12.1 mm / 0.476 inch
Height from the surface	8.9 mm / 0.35 inch
Depth	7.8 mm / 0.307 inch
Press-in pin: Length	3.2 mm
PressIn pin: Dimensions	0.6 x 1.2 mm
PressIn pin: Drilled hole diameter	1.15 ^(-0.025 ... +0.025) mm
PressIn pin: Plated through-hole diameter (HAL Sn)	1 ^(-0.06 ... +0.09) mm
PressIn pin: Plated through-hole diameter (Chem. Sn)	1 ^(-0 ... +0.09) mm

Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for PCBs
Mismating protection	Yes
Mating direction to the PCB	90°

PCB contact

PCB contact	PressIn
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Material Data

Color	light gray
Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper alloy
Contact plating	tin-plated
Fire load	0.02 MJ
Weight	1.2 g

Environmental Requirements



Limit temperature range	-40 ... +85 °C
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Commercial data

Product Group	3 (Multi Conn. System)
Packaging type	BOX
Country of origin	DE
GTIN	4045454750350
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	IEC 61984	NL-31141
	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

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19-
HG1869876-
PDA





DNV GL
Det Norske Veritas, Germanischer Lloyd

-

TAE000016Z

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL	UL 1977	E45171
	UL International Germany GmbH		
	UR	UL 1059	20190122- E45172
	Underwriters Laboratories Inc.		

Counterpart

Compatible products

Coding

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

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 733-338/100-000

URL

Download

Installation Notes



Unique features of WAGO press-in technology:

- Press-in pin features spring-loaded style expanding contact zone to provide greater retention and stability
-
- Suitable for all printed circuit boards with the correct tin plating for press-in connectors
- Metal-plated hole with optimum diameter
-
- 1.0 or 1.45 mm (HAL Sn)
-
- 1.0 or 1.45mm (chemical Sn)
-
- Press-in pin for PCB thickness from 1.4 mm to 3 mm
-
- Press-in length of approx. 3.2 mm

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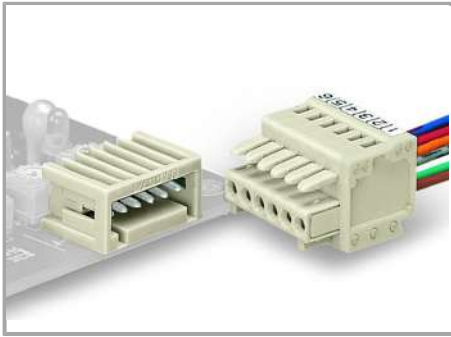
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- no unnecessary projection on underside of PCB
-
- Low press-in force required
-
- reduces wear and tear on PCB and components
-
- Robust bonded connection
-
- Excellent elastic spring behavior between the contact points
-
- No deformation of the metal-plated end hole
-
- Length of contact area ≥ 1.3 mm
-
- No deformation of multilayer PCBs
-
- Minimal tin removal in the contact hole
-
- reduces wear and tear on PCB and contact points
-

Protected Against Mismatching

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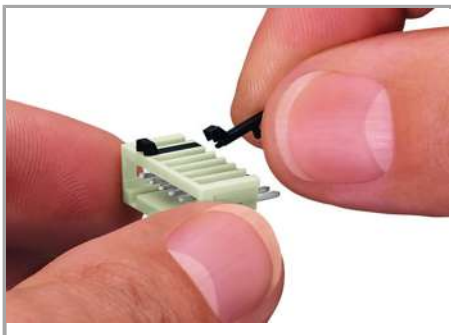
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Male headers and female connectors are 100 % protected against mismatching.

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!