

Data sheet | Item number: 721-164/100-000

PressIn male connector; 100% protected against mismatching; Pin spacing 5 mm; 4-pole; light gray

www.wago.com/721-164_100-000

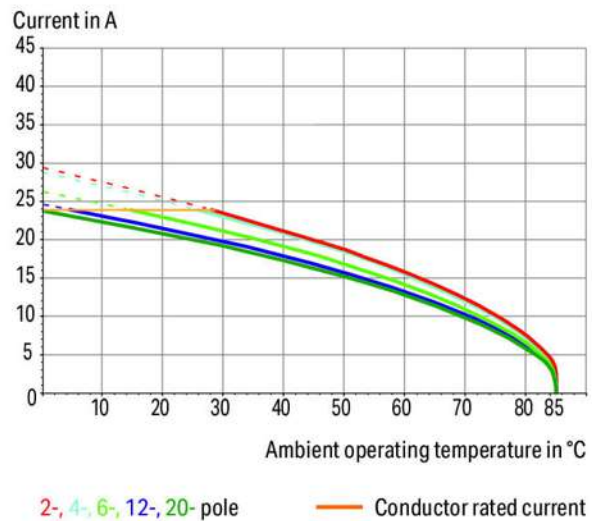


BOMcheck.net

Color:

Derating Curve

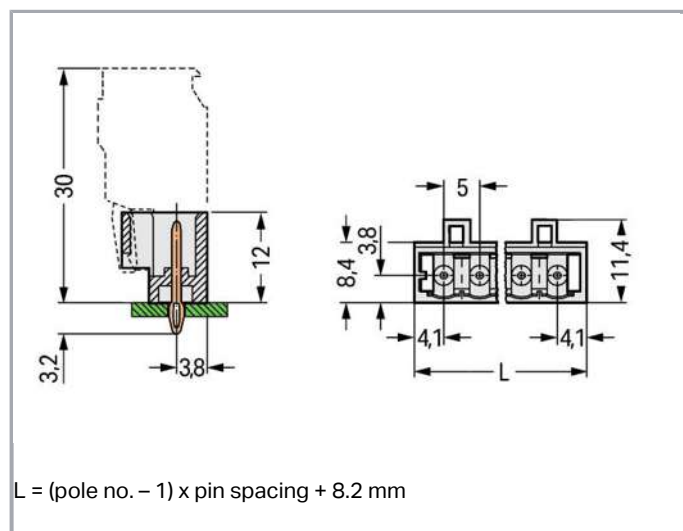
1-conductor female connector (721-102/026-000) with
THT male header (721-432/001-000)
Pin spacing: 5 mm / Conductor cross-section: 2.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 0.8



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

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



Item description

- Vertical PCB mounting via straight solder pins
- Version with press-in pins provides solder-free connection to PCB
- 100 % protected against mismatching
- With 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)	320 V
Rated impulse voltage (III / 3)	4 kV
Rated voltage (III / 2)	320 V
Rated impulse voltage (III / 2)	4 kV
Rated voltage (II / 2)	630 V
Rated impulse voltage (II / 2)	4 kV
Rated current	8 A

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Legend (ratings)

(III / 2) \triangleq Overvoltage category III / Pollution degree 2

Approvals per UL 1059

Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A
Approvals per	UL 1059

Approvals per UL 1977


Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	15 A

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

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-39756
	CSA DEKRA Certification B.V.	C22.2	1466354
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	2190761.01

Ship Approvals


Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19-HG1869876-

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DNV GL	-	TAE000016Z
Det Norske Veritas, Germanischer Lloyd		



UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UR UL International Germany GmbH	UL 1977	E45171

Counterpart

Compatible products

Marking accessories

	Item no.: 210-833 Marking strips; on reel; 6 mm wide; plain; Self-adhesive; white	www.wago.com/210-833
	Item no.: 210-834 Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white	www.wago.com/210-834

Coding

	Item no.: 231-129 Coding key; snap-on type; light gray	www.wago.com/231-129
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Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download
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Subject to changes. Please also observe the further product documentation!

CAD/CAE-Data

CAD data

2D/3D Models 721-164/100-000

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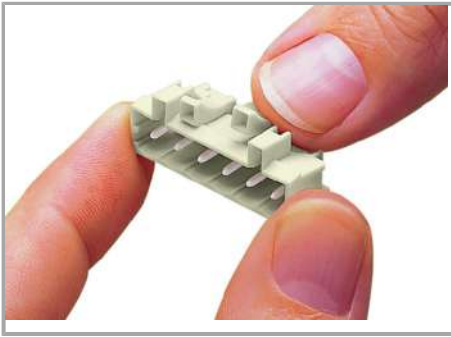
-
- no unnecessary projection on underside of PCB
-
- Low press-in force required
-
- reduces wear and tear on PCB and components
-
- Robust bonded connection
-
- Excellent elastic spring behavior between the contact points
-
- No deformation of the metal-plated end hole
-
- Length of contact area ≥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

Coding

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

Product family

<i>MCS</i> MIDI

[Show all products from the family](#)

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