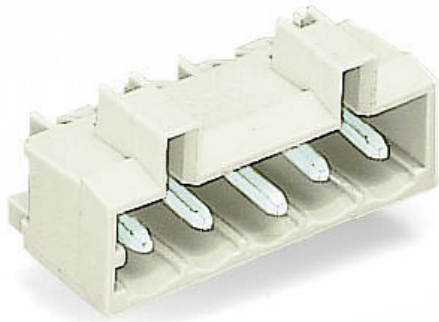


Data sheet | Item number: 721-464/001-000

THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismatching; Pin spacing 5 mm; 4-pole; light gray



www.wago.com/721-464/001-000

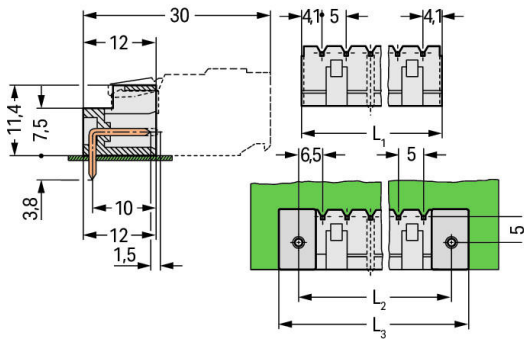
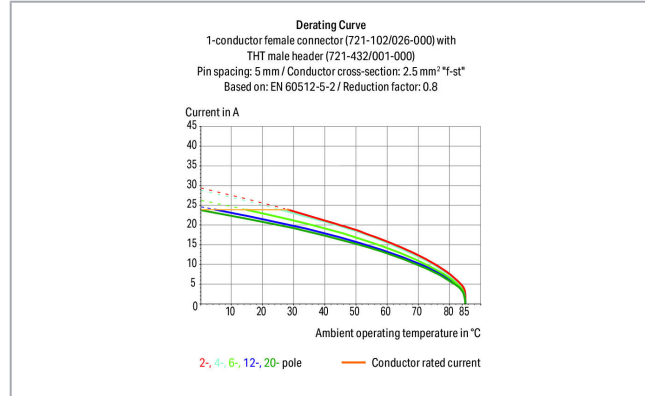


i Picture differs from the item.

RoHS Compliant

BOMcheck.net

Color:



$$L_1 = (\text{pole no.} - 1) \times \text{pin spacing} + 8.2 \text{ mm}$$

$$L_2 = L_1 + 5 \text{ mm}$$

$$L_3 = L_2 + 7.4 \text{ mm}$$

Item description

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

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- Horizontal or vertical PCB mounting via straight or angled solder pins
- 1.2 x 1.2 mm solder pins allow nominal current up to 16 A, enhancing stability of shorter headers
- 100 % protected against mismatching
- With 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**

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	250 V
Rated surge voltage (III/3)	4 kV
Rated voltage (III/2)	320 V
Rated surge voltage (III/2)	4 kV
Nominal voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV
Rated current	16 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

Ratings per UL

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

Ratings per UL

Rated voltage UL 1977	600 V
Rated current UL 1977	15 A

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



Ratings per CSA

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

Connection data

Pole No.	4
Total number of potentials	4
Number of connection types	1
Number of levels	1

Physical data

Pin spacing	5 mm / 0.197 inch
Width	23.2 mm / 0.913 inch
Height	15.2 mm / 0.598 inch
Height from the surface	11.4 mm / 0.449 inch
Depth	12 mm / 0.472 inch
Solder pin length	3.8 mm
Solder pin dimensions	1.2 x 1.2 mm
Drilled hole diameter with tolerance	1.7 ^(+0.1) 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°

PCB contact

PCB Contact	THT
Solder pin arrangement	over the entire male connector (in-line)
Number of solder pins per potential	1

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

Material data

Color	light gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0.029 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	4044918933186
Customs tariff number	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-39756
	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- PDA

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





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TAE000016Z

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 1059	20190731-E45172
	UL Underwriters Laboratories Inc.	UL 1977	E45171

Counterpart



Item no. 721-104/026-000
1-conductor female plug; 100% protected against mismatching; 2.5 mm²; Pin spacing 5 mm; 4-pole; 2,50 mm²; light gray

www.wago.com/721-104/026-000

Compatible products

Coding



Item no.: 231-129
Coding key; snap-on type; light gray

www.wago.com/231-129

Female plug



Item no.: 2721-104/026-000
1-conductor female plug; 100% protected against mismatching; push-button; 2.5 mm²; Pin spacing 5 mm; 4-pole; 2,50 mm²; light gray

www.wago.com/2721-104/026-000



Item no.: 2721-104/037-000
1-conductor female plug; 100% protected against mismatching; push-button; Locking lever; 2.5 mm²; Pin spacing 5 mm; 4-pole; 2,50 mm²; light gray

www.wago.com/2721-104/037-000



Item no.: 721-104/037-000
1-conductor female plug; 100% protected against mismatching; Locking lever; 2.5 mm²; Pin spacing 5 mm; 4-pole; 2,50 mm²; light gray









www.wago.com/721-104/037-000





Item no.: 721-304/008-000
1-conductor female plug; angled; 100% protected against mismatching; Snap-in mounting feet; 2.5 mm²; Pin spacing 5 mm; 4-pole; 2,50 mm²; light gray

www.wago.com/721-304/008-000

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

	<p>Item no.: 721-304/031-000 1-conductor female plug; angled; 100% protected against mismating; clamping collar; 2.5 mm²; Pin spacing 5 mm; 4-pole; 2,50 mm²; light gray</p>	www.wago.com/721-304/031-000
	<p>Item no.: 722-134/031-000 THT female header; 0.6 x 1.0 mm solder pin; straight; 100% protected against mismating; clamping collar; 2.5 mm²; Pin spacing 5 mm; 4-pole; light gray</p>	www.wago.com/722-134/031-000
	<p>Item no.: 722-134/039-000 THT female header; 0.6 x 1.0 mm solder pin; angled; 100% protected against mismating; Locking lever; 2.5 mm²; Pin spacing 5 mm; 4-pole; light gray</p>	www.wago.com/722-134/039-000
	<p>Item no.: 722-134/047-000 THT female header; 0.6 x 1.0 mm solder pin; straight; 100% protected against mismating; Spacer flange; 2.5 mm²; Pin spacing 5 mm; 4-pole; light gray</p>	www.wago.com/722-134/047-000
	<p>Item no.: 722-204/026-000 1-conductor female plug; angled; 100% protected against mismating; 2.5 mm²; Pin spacing 5 mm; 4-pole; 2,50 mm²; light gray</p>	www.wago.com/722-204/026-000
	<p>Item no.: 722-234 THT female header; 0.6 x 1.0 mm solder pin; angled; 100% protected against mismating; 2.5 mm²; Pin spacing 5 mm; 4-pole; light gray</p>	www.wago.com/722-234
	<p>Item no.: 722-234/039-000 THT female header; 0.6 x 1.0 mm solder pin; angled; 100% protected against mismating; Locking lever; 2.5 mm²; Pin spacing 5 mm; 4-pole; light gray</p>	www.wago.com/722-234/039-000
	<p>Item no.: 722-234/047-000 THT female header; 0.6 x 1.0 mm solder pin; angled; 100% protected against mismating; Spacer flange; 2.5 mm²; Pin spacing 5 mm; 4-pole; light gray</p>	www.wago.com/722-234/047-000

Marking accessories

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

Downloads

Documentation

Additional Information

Technical explanations	3. 4. 2019	pdf 2.0 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 721-464/001-000

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	URL	Download
CAE data		
EPLAN Data Portal 721-464/001-000	URL	Download
EPLAN Data Portal 721-464/001-000	URL	Download
ZUKEN Portal 721-464/001-000	URL	Download

PCB Design

Symbol and Footprint 721-464/001-000 [URL](#) [Download](#)

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

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

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 721-464/001-000

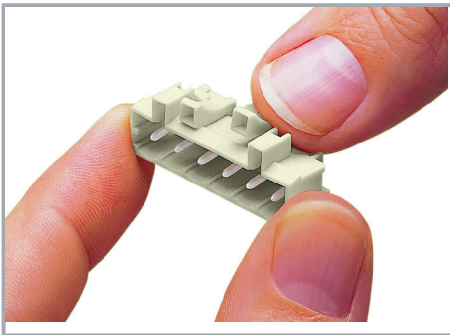
URL

Download

THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismatching; Pin spacing 5 mm; 4-pole; light gray

Installation Notes

Coding



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

Product family

MCS MIDI

[Show all products from the family](#)

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