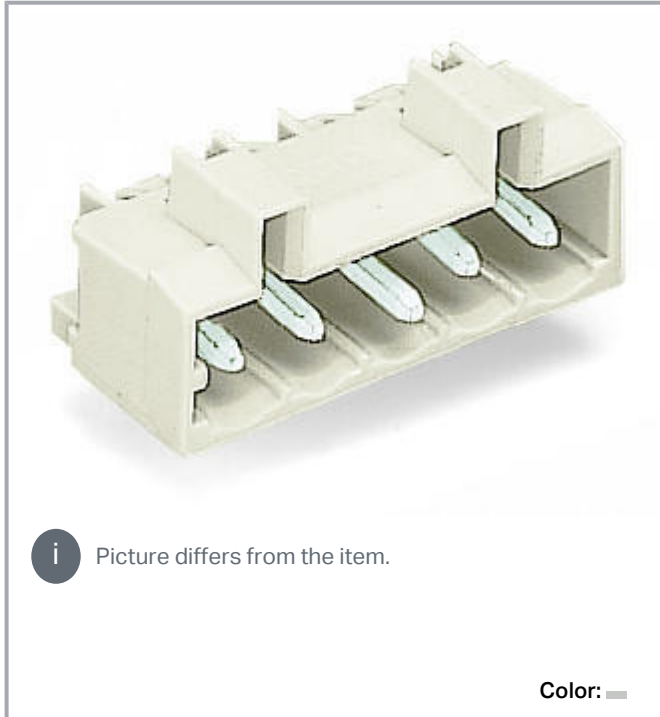


Data sheet | Item number: 721-440/001-000

THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Pin spacing 5 mm; 10-pole; light gray

www.wago.com/721-440_001-000

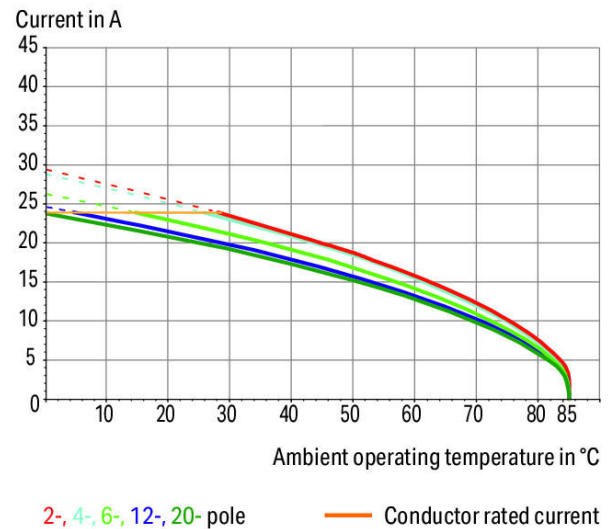


 Picture differs from the item.

Color: 

Derating Curve

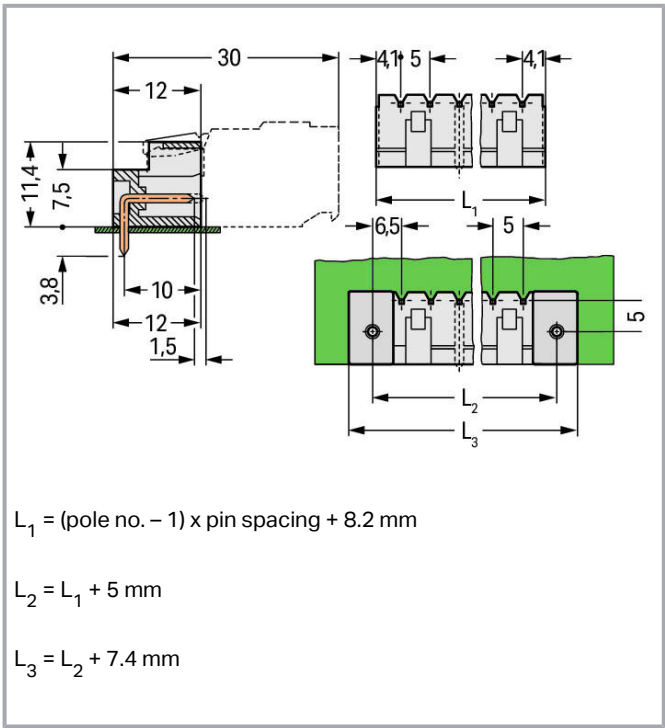
1-conductor female connector (721-102/026-000) with
THT male header (721-432/001-000)
Pin spacing: 5 mm / Conductor cross-section: 2.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 0.8



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

WAGO Corporation
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Item description

- Horizontal or vertical PCB mounting via straight or angled solder pins
- Pin cross-section: 1 x 1 mm
- 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

IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	320 V
Rated surge voltage (III/3)	4 kV

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

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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	12 A
Legend (ratings)	(III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2

UL Approvals

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

CSA Approvals

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

Connection data

Pole No.	10
Total number of potentials	10
Number of connection types	1
Number of levels	1

Physical data

Pin spacing	5 mm / 0.197 inch
Width	53.2 mm / 2.094 inch
Height	15.2 mm / 0.598 inch
Height from the surface	11.4 mm / 0.449 inch

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Depth	12 mm / 0.472 inch
Solder pin length	3.8 mm
Solder pin dimensions	1 x 1 mm
Drilled hole diameter with tolerance	1.4 ^(+0.1) mm

Plug-in connection

Contact type (pluggable connector)	Male header
Connector (connection type)	for PCB
Mismating protection	Yes
Mating direction to the PCB	0°
Locking of plug-in connection	Without

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 _{Cu})
Contact plating	tin-plated
Fire load	0.057 MJ
Weight	3.2 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	4044918869744

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

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Customs tariff number 8536694040

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-PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z

UL-Approvals

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

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Counterpart


Item no. 2721-110/026-000

1-conductor female connector; 100% protected against mismatching; push-button; 2.5 mm²; Pin spacing 5 mm; 10-pole; 2,50 mm²; light gray

www.wago.com/2721-110/026-000


Item no. 2721-110/037-000

1-conductor female connector; 100% protected against mismatching; push-button; Locking lever; 2.5 mm²; Pin spacing 5 mm; 10-pole; 2,50 mm²; light gray

www.wago.com/2721-110/037-000


Item no. 721-110/026-000

1-conductor female connector; 100% protected against mismatching; 2.5 mm²; Pin spacing 5 mm; 10-pole; 2,50 mm²; light gray

www.wago.com/721-110/026-000


Item no. 721-110/037-000

1-conductor female connector; 100% protected against mismatching; Locking lever; 2.5 mm²; Pin spacing 5 mm; 10-pole; 2,50 mm²; light gray

www.wago.com/721-110/037-000


Item no. 722-210/026-000

1-conductor female connector; angled; 100% protected against mismatching; 2.5 mm²; Pin spacing 5 mm; 10-pole; 2,50 mm²; light gray

www.wago.com/722-210/026-000


Item no. 2721-110/031-000

1-conductor female connector; 100% protected against mismatching; push-button; clamping collar; 2.5 mm²; Pin spacing 5 mm; 10-pole; 2,50 mm²; light gray

www.wago.com/2721-110/031-000


Item no. 721-110/027-000

1-conductor female connector; 100% protected against mismatching; clamping collar; 2.5 mm²; Pin spacing 5 mm; 10-pole; 2,50 mm²; light gray

www.wago.com/721-110/027-000


Item no. 721-110/031-000

1-conductor female connector; 100% protected against mismatching; clamping collar; 2.5 mm²; Pin spacing 5 mm; 10-pole; 2,50 mm²; light gray

www.wago.com/721-110/031-000


Item no. 721-2110/026-000

2-conductor female connector; 100% protected against mismatching; with integrated end plate; 2.5 mm²; Pin spacing 5 mm; 10-pole; 2,50 mm²; light gray

www.wago.com/721-2110/026-000


Item no. 721-2110/026-000/135-000

2-conductor female connector; 100% protected against mismatching; with integrated end plate; Strain relief plate; 2.5 mm²; Pin spacing 5 mm; 10-pole; 2,50 mm²; light gray

www.wago.com/721-2110/026-000/135-000


Item no. 721-2110/037-000

2-conductor female connector; 100% protected against mismatching; Locking lever; 2.5 mm²; Pin spacing 5 mm; 10-pole; 2,50 mm²; light gray

www.wago.com/721-2110/037-000


Item no. 722-110/026-000

1-conductor female connector; angled; 100% protected against mismatching; 2.5 mm²; Pin spacing 5 mm; 10-pole; 2,50 mm²; light gray

www.wago.com/722-110/026-000

Optional accessories

Coding

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

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Item no.: 231-129

Coding key; snap-on type; light gray

www.wago.com/231-129**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**Downloads****Documentation****Additional Information**

Technical explanations	Apr 3, 2019	pdf 2.0 MB	Download
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CAD files**CAD data**

2D/3D Models 721-440/001-000	URL	Download
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CAE data

EPLAN Data Portal 721-440/001-000	URL	Download
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EPLAN Data Portal 721-440/001-000	URL	Download
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ZUKEN Portal 721-440/001-000	URL	Download
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PCB Design

Symbol and Footprint 721-440/001-000	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

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- 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

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 721-440/001-000	URL	Download
THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Pin spacing 5 mm; 10-pole; light gray		

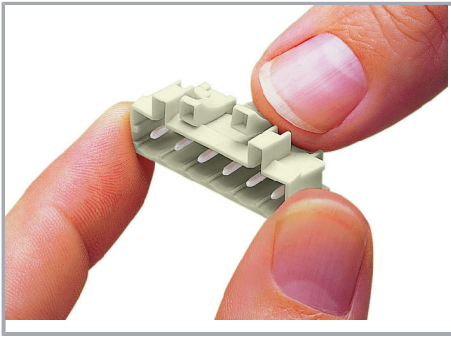
Installation Notes

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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