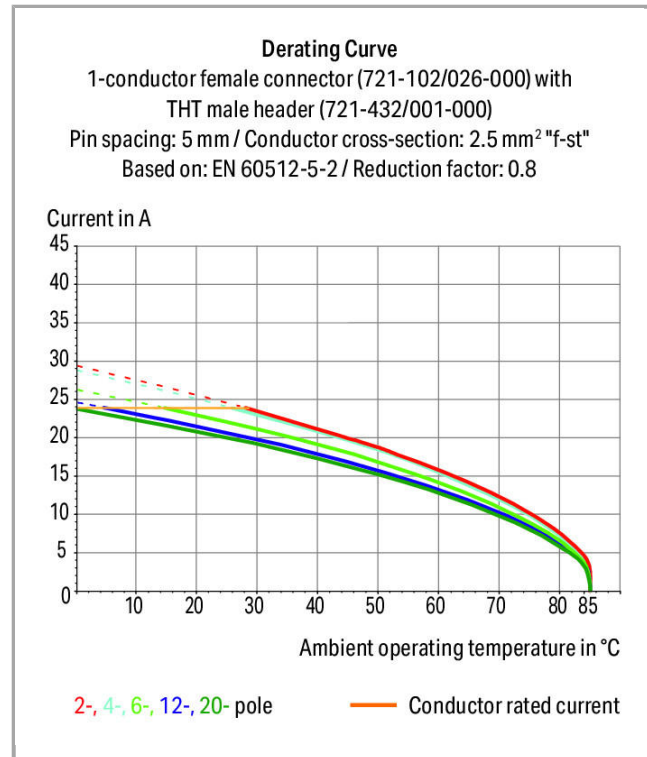
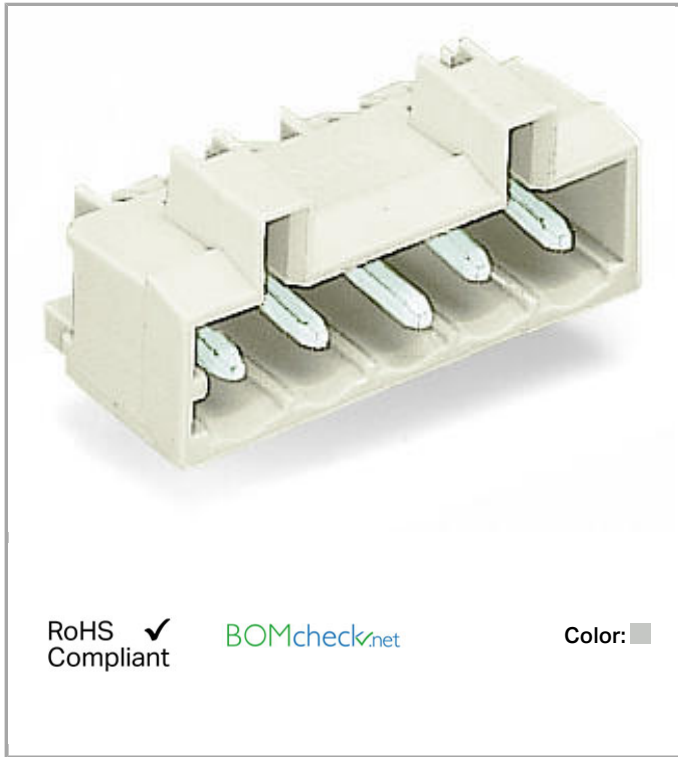


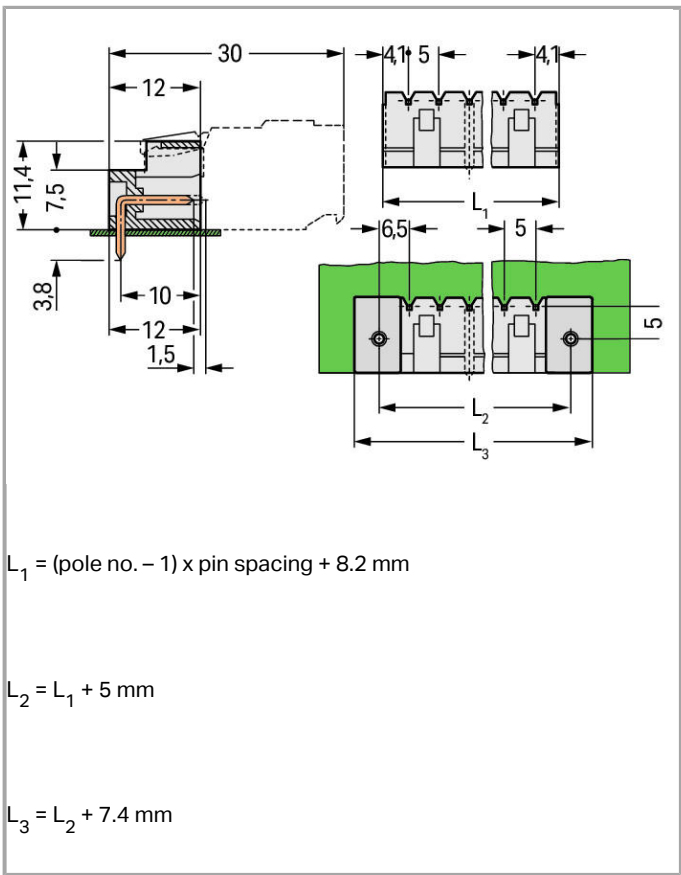
Data sheet | Item number: 721-472/001-000

THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismatching; Pin spacing 5 mm; 12-pole



721-472/001-000





Item description

- 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 horter headers
- 100 % protected against mismating
- 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

Rated voltage (III / 3)	250 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	16 A

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

Connection data

No. of poles	12
Total number of potentials	12
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	63.2 mm / 2.488 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 (tolerance)	1.7 ^(- ... +0.1) mm

Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for PCBs

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

Material Data

Color	light gray
Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0.071 MJ
Weight	4.64 g

Environmental Requirements

Limit temperature range	-60 ... +100 °C
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Commercial data

Product Group	3 (Multi Conn. System)
Country of origin	PL
GTIN	4044918933322
Customs Tariff No.	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
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ABS
 American Bureau of Shipping

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 PDA



DNV GL
 Det Norske Veritas, Germanischer Lloyd

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TAE000016Z

UL-Approvals

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

Compatible products

Coding



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

231-129

Marking accessories



Item no.: 210-833
 Marking strips; on reel; 6 mm wide; plain; Self-adhesive

210-833



Item no.: 210-834
 Marking strips; on reel; 5 mm wide; plain; Self-adhesive

210-834

Female plug



Item no.: 2721-112/026-000
 1-conductor female plug; 100% protected against mismatching; push-button; 2.5 mm²; Pin spacing 5 mm; 12-pole

1026-000

2721-112



Item no.: 2721-112/037-000
 1-conductor female plug; 100% protected against mismatching; push-button; Locking lever; 2.5 mm²; Pin spacing 5 mm; 12-pole

1037-000

2721-112



Item no.: 721-112/026-000
 1-conductor female plug; 100% protected against mismatching; 2.5 mm²; Pin spacing 5 mm; 12-pole

1026-000

721-112

Item no.: 721-112/037-000

	1-conductor female plug; 100% protected against mismatching; Locking lever; 2.5 mm ² ; Pin spacing 5 mm; 12-pole	7037-000	721-112
	Item no.: 721-312/008-000 1-conductor female plug; angled; 100% protected against mismatching; Snap-in mounting feet; 2.5 mm ² ; Pin spacing 5 mm; 12-pole	7008-000	721-312
	Item no.: 721-312/031-000 1-conductor female plug; angled; 100% protected against mismatching; clamping collar; 2.5 mm ² ; Pin spacing 5 mm; 12-pole	7031-000	721-312
	Item no.: 722-142/031-000 THT female header; 0.6 x 1.0 mm solder pin; straight; 100% protected against mismatching; clamping collar; Pin spacing 5 mm; 12-pole	7031-000	722-142
	Item no.: 722-142/039-000 THT female header; 0.6 x 1.0 mm solder pin; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 12-pole	7039-000	722-142
	Item no.: 722-142/047-000 THT female header; 0.6 x 1.0 mm solder pin; straight; 100% protected against mismatching; Spacer flange; Pin spacing 5 mm; 12-pole	7047-000	722-142
	Item no.: 722-212/026-000 1-conductor female plug; angled; 100% protected against mismatching; 2.5 mm ² ; Pin spacing 5 mm; 12-pole	7026-000	722-212
	Item no.: 722-242 THT female header; 0.6 x 1.0 mm solder pin; angled; 100% protected against mismatching; Pin spacing 5 mm; 12-pole		722-242
	Item no.: 722-242/031-000 THT female header; 0.6 x 1.0 mm solder pin; angled; 100% protected against mismatching; clamping collar; Pin spacing 5 mm; 12-pole	7031-000	722-242
	Item no.: 722-242/039-000 THT female header; 0.6 x 1.0 mm solder pin; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 12-pole	7039-000	722-242
	Item no.: 722-242/047-000 THT female header; 0.6 x 1.0 mm solder pin; angled; 100% protected against mismatching; Spacer flange; Pin spacing 5 mm; 12-pole	7047-000	722-242

Downloads

CAD/CAE - Smart Data

PCB libraries

TARGET Library for WAGO Pluggable PCB Connectors (Multi-Connection System) Compatible with TARGET PCB Design Software Version 17.x	1.1.0 Oct 6, 2014	zip 7.4 MB	Download
DesignSpark Library for WAGO Pluggable PCB Connectors (MULTI CONNECTION SYSTEM) Compatible with DesignSpark PCB Version 4.x or higher	2.1 Oct 6, 2014	zip 6.1 MB	Download
EA GL E Library for WAGO Pluggable PCB Connectors (MULTI CONNECTION SYSTEM)			



EAGLE Library for WAGO Plugable PCB connectors (MULTI-CONNECTION SYSTEM)	2.1	zip	Download
Compatible with EAGLE PCB Design Software Version 6.x or higher	Oct 6, 2014	6.2 MB	

CAD data

3D Download 721-472/001-000	URL	Download
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Subject to changes.