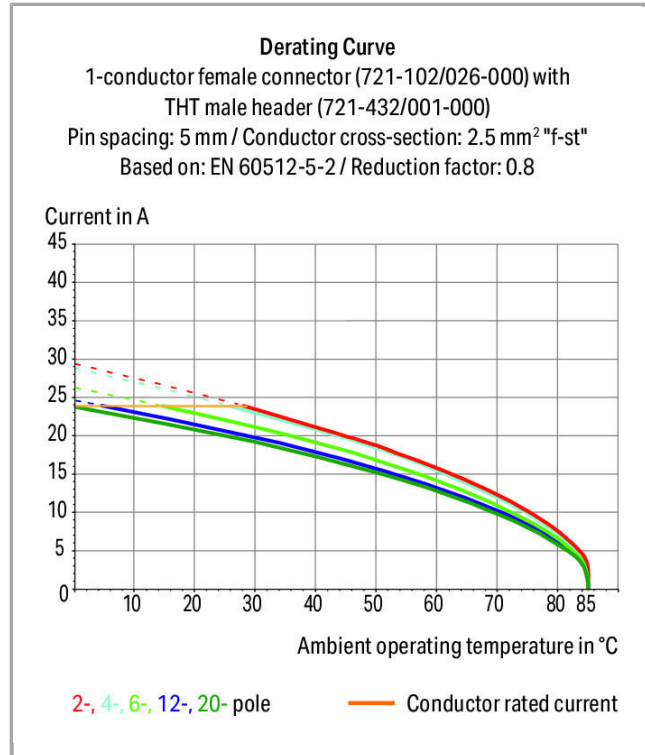
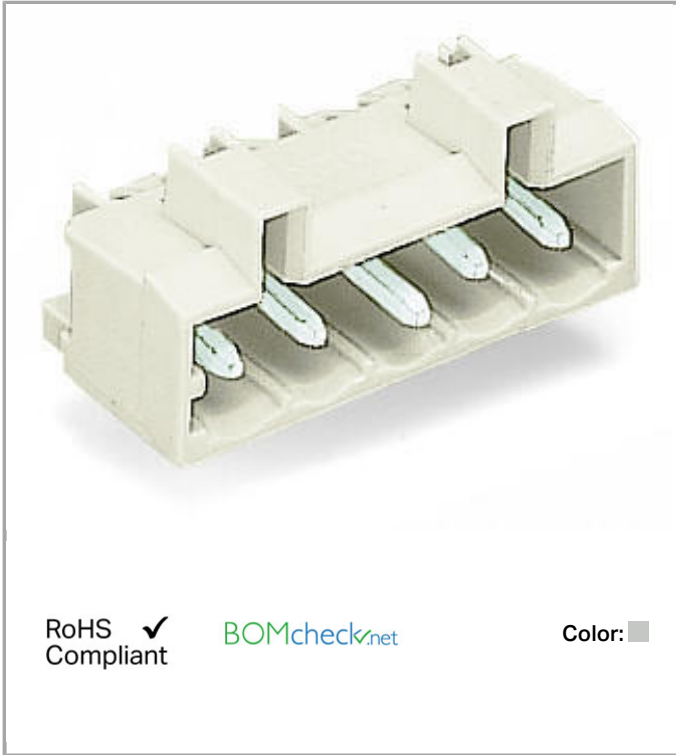


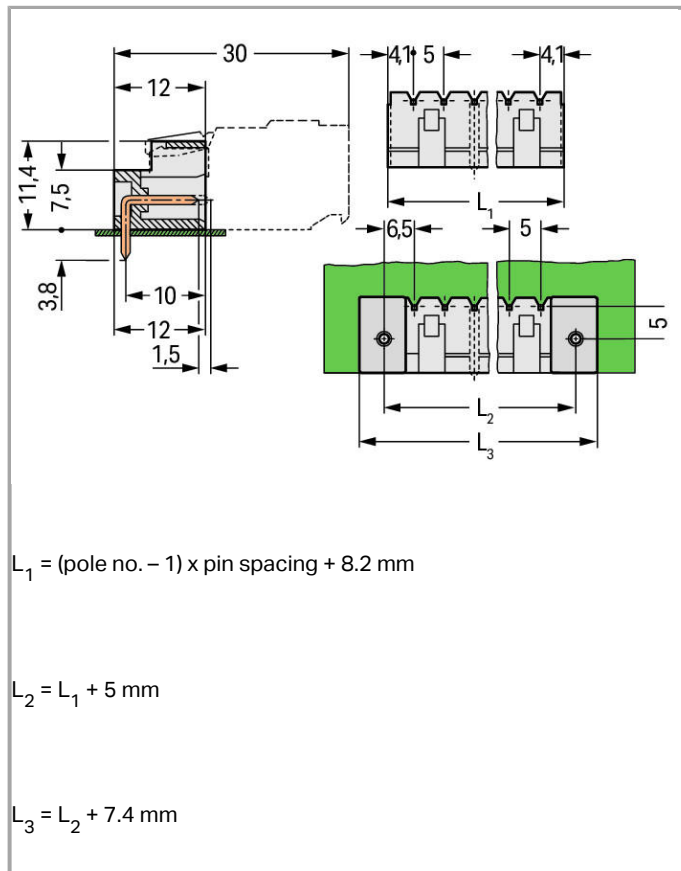
**Data sheet | Item number: 721-443/001-000**

THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Pin spacing 5 mm; 13-pole



721-443/001-000





### 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

### Data

#### Electrical data

#### 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	12 A



### 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

### Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	10 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

### Connection data

No. of poles	13
Total number of potentials	13
Number of connection types	1
Number of levels	1

### Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	68.2 mm / 2.685 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 x 1 mm
Drilled hole diameter (tolerance)	1.4 <sup>(- ... +0.1)</sup> 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 <sub>Cu</sub> )
Contact plating	tin-plated
Fire load	0.079 MJ
Weight	4.294 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	4045454987220
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
	CSA DEKRA Certification B.V.	C22.2	1466354
	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
	<b>ABS</b> American Bureau of Shipping	-	14- HG1241537- PDA
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z










### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>UR</b> UL International Germany GmbH	UL 1977	E45171
	<b>UR</b> UL International Germany GmbH	UL 1977	E45171

### Compatible products

#### Female plug

	<b>Item no.: 721-113/026-000</b> 1-conductor female plug; 100% protected against mismatching; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 13-pole	7026-000	721-113
	<b>Item no.: 721-113/037-000</b> 1-conductor female plug; 100% protected against mismatching; Locking lever; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 13-pole	7037-000	721-113
	<b>Item no.: 721-313/008-000</b> 1-conductor female plug; angled; 100% protected against mismatching; Snap-in mounting feet; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 13-pole	7008-000	721-313
	<b>Item no.: 721-313/031-000</b> 1-conductor female plug; angled; 100% protected against mismatching; clamping collar; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 13-pole	7031-000	721-313

	<b>Item no.: 722-143</b> THT female header; 0.6 x 1.0 mm solder pin; straight; 100% protected against mismating; Pin spacing 5 mm; 13-pole		722-143
	<b>Item no.: 722-143/031-000</b> THT female header; 0.6 x 1.0 mm solder pin; straight; 100% protected against mismating; clamping collar; Pin spacing 5 mm; 13-pole	/031-000	722-143
	<b>Item no.: 722-143/039-000</b> THT female header; 0.6 x 1.0 mm solder pin; straight; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 13-pole	/039-000	722-143
	<b>Item no.: 722-143/047-000</b> THT female header; 0.6 x 1.0 mm solder pin; angled; 100% protected against mismating; Spacer flange; Pin spacing 5 mm; 13-pole	/047-000	722-143
	<b>Item no.: 722-213/026-000</b> 1-conductor female plug; angled; 100% protected against mismating; 2.5 mm <sup>2</sup> ; Pin spacing 5 mm; 13-pole	/026-000	722-213
	<b>Item no.: 722-243</b> THT female header; 0.6 x 1.0 mm solder pin; angled; 100% protected against mismating; Pin spacing 5 mm; 13-pole		722-243
	<b>Item no.: 722-243/031-000</b> THT female header; 0.6 x 1.0 mm solder pin; straight; 100% protected against mismating; clamping collar; Pin spacing 5 mm; 13-pole	/031-000	722-243
	<b>Item no.: 722-243/039-000</b> THT female header; 0.6 x 1.0 mm solder pin; straight; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 13-pole	/039-000	722-243
	<b>Item no.: 722-243/047-000</b> THT female header; 0.6 x 1.0 mm solder pin; straight; 100% protected against mismating; Spacer flange; Pin spacing 5 mm; 13-pole	/047-000	722-243

**Coding**

	<b>Item no.: 231-129</b> Coding key; snap-on type		231-129
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**Marking accessories**

	<b>Item no.: 210-833</b> Marking strips; on reel; 6 mm wide; plain; Self-adhesive		210-833
	<b>Item no.: 210-834</b> Marking strips; on reel; 5 mm wide; plain; Self-adhesive		210-834

**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)	2.1	zip	Download



Compatible with DesignSpark PCB Version 4.x or higher	Oct 6, 2014	6.1 MB	
EAGLE Library for WAGO Pluggable 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	
<b>CAD data</b>			
3D Download 721-443/001-000		URL	Download

Subject to changes.