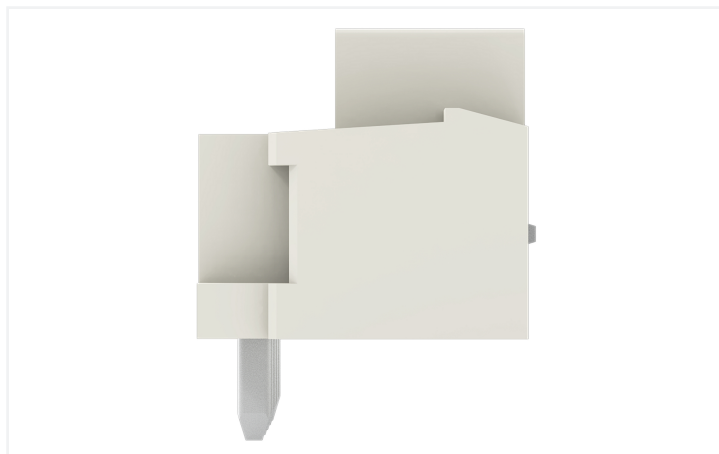
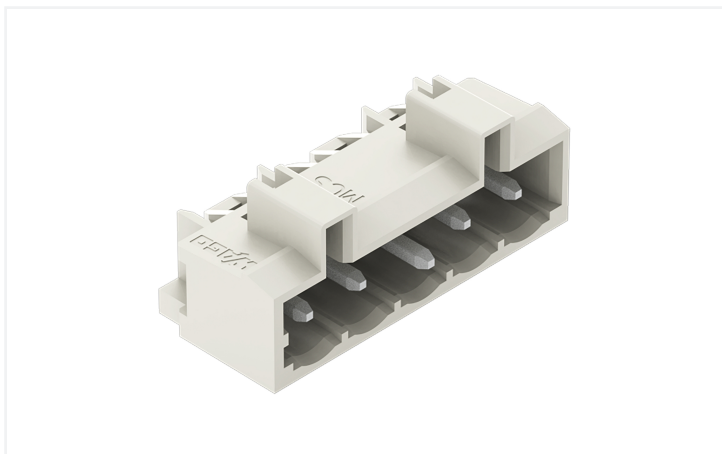


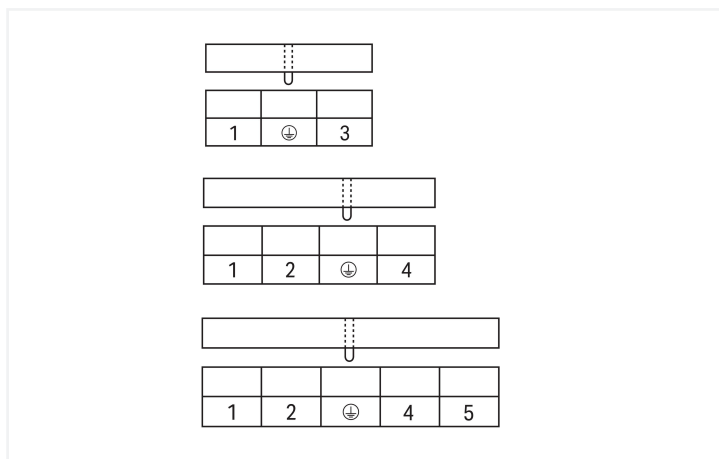
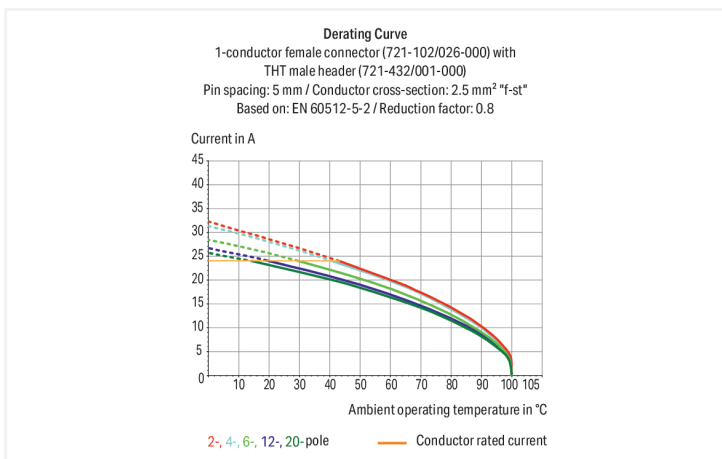
**Data Sheet | Item Number: 721-465/001-040**

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

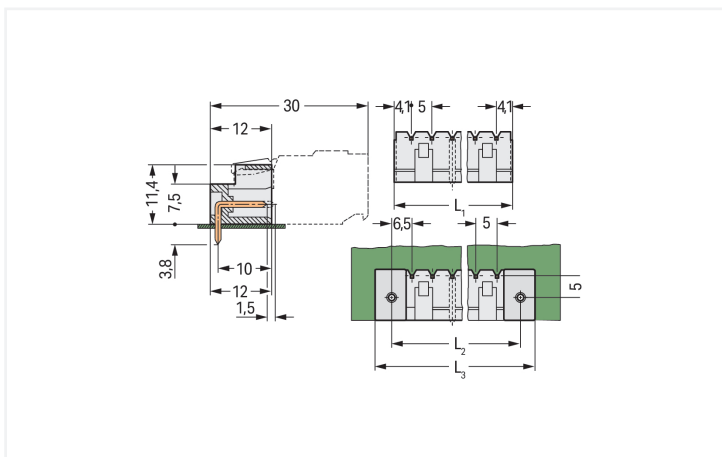
<https://www.wago.com/721-465/001-040>



Color: ■ light gray



Preceding PE contact position



Dimensions in mm

L1 = (pole no. - 1) x pin spacing + 8.2 mm L2 = L1 + 5 mm L3 = L2 + 7.4 mm



Male connector, 721 Series, with 5 mm pin spacing

Our male connector (item number 721-465/001-040) simplifies electrical installations. The item's dimensions are (28.2 x 15.2 x 12) mm (width x height x depth).

The contact surface is coated with tin. THT is used to solder the pcb connector.

Notes	
Safety Information	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. 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.
Variants:	Other pole numbers 3.8 mm pin projection for male headers with straight solder pins Gold-plated or partially gold-plated contact surfaces Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> .

**Electrical data**

Ratings per	IEC/EN 60664-1			Approvals per	UL 1059		
Overvoltage category	III	III	II	Use group	B	C	D
Pollution degree	3	2	2	Rated voltage	300 V	-	300 V
Nominal voltage	250 V	320 V	630 V	Rated current	15 A	-	10 A
Rated impulse withstand voltage	4 kV	4 kV	4 kV				
Rated current	16 A	16 A	16 A				

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

Approvals per	CSA		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	15 A	-	10 A

**Connection Data**

Total number of potentials	5	<b>Connection 1</b>	
Number of connection types	1	Pole number	5
Number of levels	1		
PE function	Preceding PE contact		

**Physical data**

Pin spacing	5 mm / 0.197 inches
Width	28.2 mm / 1.11 inches
Height	15.2 mm / 0.598 inches
Height from the surface	11.4 mm / 0.449 inches
Depth	12 mm / 0.472 inches
Solder pin length	3.8 mm
Solder pin dimensions	1.2 x 1.2 mm
!	1.7 (+0.1) mm

### Mechanical data

Variable coding	Yes
Anti-rotation protection	Yes

### 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

### Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	light gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact Plating	Tin
Fire load	0.035 MJ
Weight	2.1 g

### Environmental requirements

Limit temperature range	-60 ... +100 °C
Processing temperature	-35 ... +60 °C

### Commercial data

Product Group	3 (Multi Conn. System)
PU (SPU)	200 pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918945622
Customs tariff number	85366930000

### Product Classification

UNSPSC	39121409
eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-02
ETIM 9.0	EC002637
ETIM 10.0	EC002637
ECCN	NO US CLASSIFICATION

**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
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**Approvals / Certificates**

**General approvals**



Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-113351
CSA DEKRA Certification B.V.	C22.2	1466354
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-130478 REV.1
UL Underwriters Laboratories Inc.	UL 1059	E45172
UR Underwriters Laboratories Inc.	UL 1977	E45171

**Approvals for marine applications**



Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	24-0095975-PDA
DNV DNV GL SE	-	TAE000016Z
PRS Polski Rejestr Statków	-	TE/1095/880590/23

**Downloads**

**Environmental Product Compliance**

Compliance Search	
Environmental Product Compliance 721-465/001-040	<a href="#">↓</a>

**Documentation**

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	<a href="#">↓</a>

**CAD/CAE-Data**

CAD data	
2D/3D Models 721-465/001-040	<a href="#">↓</a>

CAE data	
EPLAN Data Portal 721-465/001-040	<a href="#">↓</a>
ZUKEN Portal 721-465/001-040	<a href="#">↓</a>

## PCB Design

Symbol and Footprint  
via SamacSys  
721-465/001-040



Symbol and Footprint  
via Ultra Librarian  
721-465/001-040



## 1 Compatible Products

## 1.1 System counterpart

## 1.1.1 Female connector/socket

Item No.: [721-105/026-000](#)

1-conductor female connector; CAGE CLAMP®; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 5-pole; 100% protected against mismatching; 2,50 mm<sup>2</sup>; light gray

## 1.2 Optional Accessories

## 1.2.1 Coding

## 1.2.1.1 Coding

Item No.: [231-129](#)

Coding key; snap-on type; light gray

## 1.2.2 Marking

## 1.2.2.1 Marking strip

Item No.: [210-833](#)

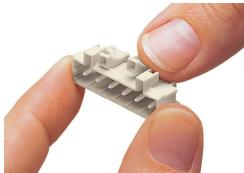
Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white

Item No.: [210-834](#)

Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

## Installation Notes

## Coding



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