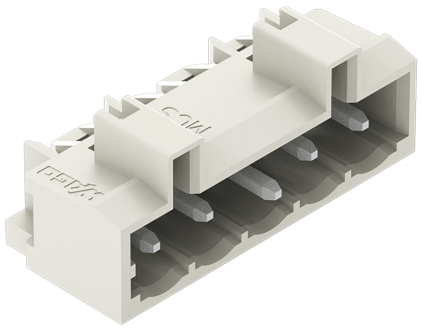
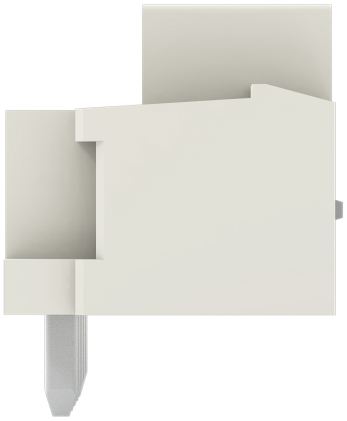
Data Sheet | Item Number: 721-465/001-040

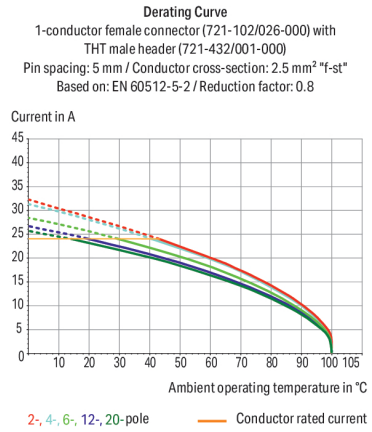
THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismating; Preceding ground contact; Pin spacing 5 mm; 5-pole; light gray

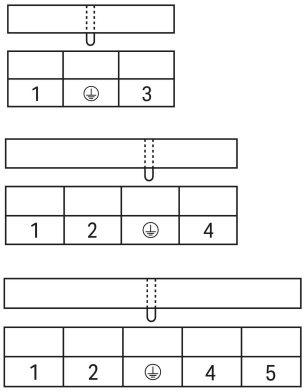
https://www.wago.com/721-465/001-040



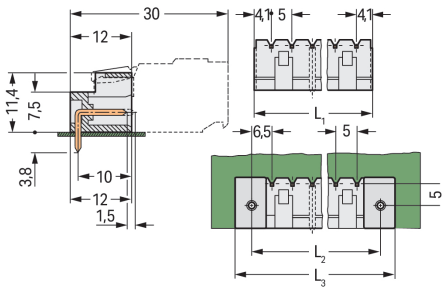


Color: light gray





Preceding PE contact position



Dimensions in mm
L1 = (pole no. – 1) x pin spacing + 8.2 mmL2 = L1 + 5 mmL3 = 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 https://configurator.wago.com/.

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	320 V	630 V
Rated impulse withstand voltage	4 kV	4 kV	4 kV
Rated current	16 A	16 A	16 A

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	15 A	-	10 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
Number of connection types	1
Number of levels	1
PE function	Preceding PE contact

Connection 1

Pole number	5

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
Drilled hole diameter	1.7 $^{(+0.1)}$ mm

Continued on next page

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)	Information on material specifications can be found here
Color	light gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E_{Cu})
Contact Plating	Tin
Fire load	0.031 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

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Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

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	UL-US-L45172-6187117-81111991-4
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

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB

CAD/CAE-Data

CAD data

2D/3D Models
721-465/001-040

CAE data

EPLAN Data Portal
721-465/001-040

ZUKEN Portal
721-465/001-040

Continued on next page

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 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismating; 2,50 mm²; light gray



Item No.: 2721-1105/326-000
1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismating, coding finger; 2,50 mm²; light gray



Item No.: 2721-1105/031-000
1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismating, coding finger; clamping collar; light gray



Item No.: 2721-1105/326-045
1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismating, coding finger; direct marking; light gray



Item No.: 2721-1105/326-047
1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismating, coding finger; direct marking; light gray



Item No.: 2721-1105/326-9037
1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismating, coding finger; direct marking; light gray



Item No.: 2721-1105/037-000
1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismating, coding finger; Lateral locking levers; 2,50 mm²; light gray



Item No.: 2721-1105/037-000/334-000
1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismating, coding finger; Lateral locking levers; Strain relief plate; light gray



Item No.: 2721-1105/326-000/127-000
1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismating, coding finger; mounting foot flange; 2,50 mm²; light gray



Item No.: 2721-1105/124-000
1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismating, coding finger; Snap-in flange; light gray

Item No.: 2721-1105/326-000/334-000
1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismating, coding finger; Strain relief plate; 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

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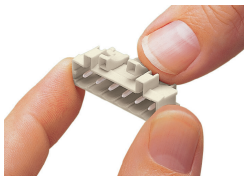
Installation Notes

Coding



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