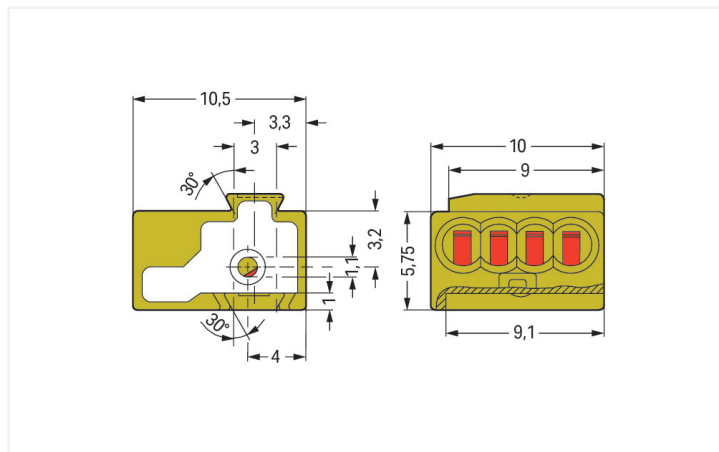


<https://www.wago.com/243-721>



Similar to illustration



Dimensions in mm

Pluggable pcb terminal block (item number 243-721) simplifies electrical installations. Strip lengths must be between 5 mm and 6 mm when connecting conductors to pluggable pcb terminal block. Featuring one conductor terminal along with PUSH WIRE®, this product outperforms the competition. Our PUSH WIRE® connection uses the stiffness of the conductor to overcome the clamping spring's contact force, allowing you to clamp the conductor in place more quickly and easily. The item's dimensions are 5.75 x 10 x 10.5 mm (width x height x depth). Depending on the conductor type, pluggable pcb terminal block is ideal for conductor cross sections ranging from 0.5 mm² to 1 mm². Up to one potential / one pole can be connected to this terminal block using four clamping points on one level. The gray housing is made of polyamide (PA66) for insulation, the clamping spring is made of a Copper alloy, and the contacts are made of electrolytic copper (ECu). The contact surface is coated with tin.

Variants:

Other pole numbers
Other colors
Mixed-color PCB connector strips
Direct marking
Other versions (or variants) can be requested from WAGO Sales or configured at [https://
configurator.wago.com/](https://configurator.wago.com/).

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 surge voltage	4 kV	4 kV	4 kV
Rated current	6 A	6 A	6 A

Use group	B	C	D
Rated voltage	150 V	-	150 V
Rated current	7 A	-	7 A

Use group	B	C	D
Rated voltage	150 V	-	150 V
Rated current	7 A	-	7 A



Connection data			
Clamping units	4	Connection 1	
Total number of potentials	1	Connection technology	PUSH WIRE®
Number of connection types	1	Connectable conductor materials	Copper
Number of levels	1	Solid conductor	0.5 ... 1 mm² / 24 ... 18 AWG
		Conductor diameter	0.5 ... 1 mm / 24 ... 18 AWG
		Strip length	5 ... 6 mm / 0.2 ... 0.24 inches
		Conductor connection direction to PCB	0 °
		Pole number	1

Physical data		
Pin spacing		5.75 mm / 0.226 inches
Width		5.75 mm / 0.226 inches
Height		10 mm / 0.394 inches
Depth		10.5 mm / 0.413 inches
Solder pin length		4.5 mm
Solder pin diameter		1 mm
Drilled hole diameter with tolerance		1.2 (-0.05 ... +0.05) mm

Plug-in connection		
Contact type (pluggable connector)		Female connector/socket
Connector (connection type)		for PCB
Mating direction to the PCB		90 °

Material data		
Note (material data)		Information on material specifications can be found here
Color		gray
Material group		I
Insulation material (main housing)		Polyamide (PA66)
Flammability class per UL94		V0
Clamping spring material		Copper alloy
Contact material		Electrolytic copper (E _{Cu})
Contact Plating		Tin
Fire load		0.012 MJ
Weight		0.8 g

Environmental requirements		
Limit temperature range		-60 ... +105 °C
Continuous operating temperature		-60 °C



Commercial data	
PU (SPU)	400 pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918440912
Customs tariff number	85366990990

Product classification	
UNSPSC	39121409
eCl@ss 10.0	27-44-04-01
eCl@ss 9.0	27-44-04-01
ETIM 9.0	EC002643
ETIM 8.0	EC002643
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60998	NTR NL 7812
CSA DEKRA Certification B.V.	C22.2	70048857
KEMA/KEUR DEKRA Certification B.V.	EN 60998	71-112493
UR Underwriters Laboratories Inc.	UL 1059	E45172

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	18-HG1755093-PDA



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 243-721

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Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB

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CAD/CAE-Data

CAD data

2D/3D Models 243-721

Download icon

CAE data

EPLAN Data Portal 243-721

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ZUKEN Portal 243-721

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1 Compatible Products

1.1 Required Accessories

1.1.1 Male connector

1.1.1.1 Solder pin



Item No.: [243-131](#)
THT single pin; silver-colored

1.2 Optional Accessories

1.2.1 Marking

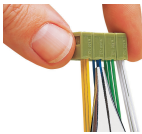
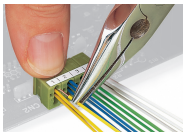
1.2.1.1 Marking strip



Item No.: [210-332/575-103](#)
Marking strips; as a DIN A4 sheet; MARKED; 1-12 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

Installation Notes

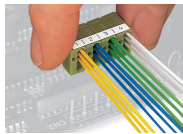
Conductor termination



Inserting a conductor using pliers until it hits the backstop – directly on the PCB or wiring prior to mounting on PCB.

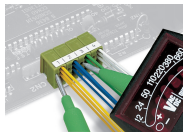
Removing a conductor using pliers – twisting alternately left and right – 243 Series

Installation



Removing a PCB connector strip to replace the board.

Testing



Testing – 243 Series