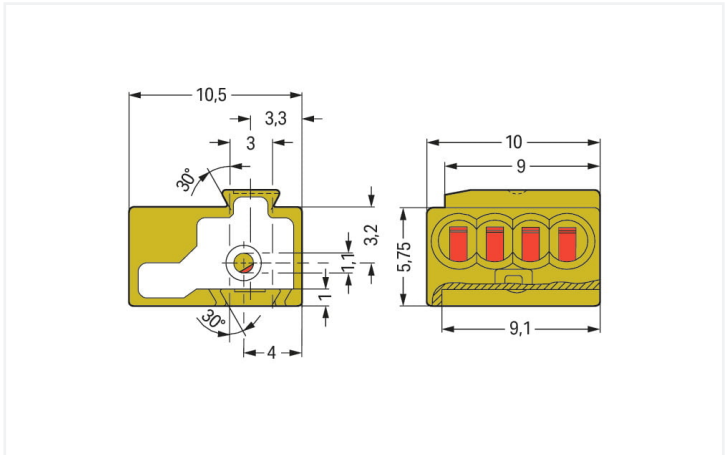




Color: ■ light green

Similar to illustration



Dimensions in mm

Pluggable pcb terminal block, 243 Series, 0 °conductor entry to board

Pluggable pcb terminal block (item number 243-742) simplifies electrical installations. Ensure that the strip lengths are between 5 mm and 6 mm when connecting conductors to pluggable pcb terminal block. This product incorporates one conductor terminal and utilizes PUSH WIRE®. Our PUSH WIRE® connection uses the stiffness of the conductor to overcome the clamping spring's contact force, allowing faster and easier conductor clamping. The item's dimensions are 11.5 x 10 x 10.5 mm (width x height x depth). Pluggable pcb terminal block is suitable for conductor cross sections ranging from 0.5 mm² to 1 mm². Up to two potentials / two poles can be connected to this terminal strip using eight clamping points on one level. The contacts are made of electrolytic copper (ECu), the clamping spring is made of a Copper alloy, and the light green housing is made of polyamide (PA66) for insulation. Tin is used for coating the contact surfaces.

Notes	
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/ .

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	150 V	-	150 V
Nominal voltage	250 V	320 V	630 V		Rated current	7 A	-	7 A
Rated surge voltage	4 kV	4 kV	4 kV					
Rated current	6 A	6 A	6 A					
Approvals per		CSA						
Use group	B	C	D					
Rated voltage	150 V	-	150 V					
Rated current	7 A	-	7 A					



Connection data			
Clamping units	8	Connection 1	
Total number of potentials	2	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	2

Physical data		
Pin spacing		5.75 mm / 0.226 inches
Width		11.5 mm / 0.453 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		light green
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		0.024 MJ
Weight		1.5 g

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



Commercial data		
eCl@ss 10.0		27-44-04-01
eCl@ss 9.0		27-44-04-01
ETIM 9.0		EC002643
ETIM 8.0		EC002643
PU (SPU)		50 pcs
Packaging type		Box
Country of origin		DE
GTIN		4044918441841
Customs tariff number		85366990990

Environmental Product Compliance		
RoHS Compliance Status		Compliant,No Exemption

Approvals / Certificates

General approvals		Declarations of conformity and manufacturer's declarations	
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	

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 243-742	



Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data
2D/3D Models 243-742

CAE data
EPLAN Data Portal 243-742

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

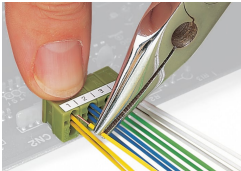
1.2.1.1 Marking strip



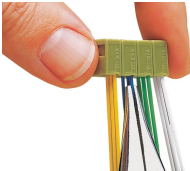
Item No.: 210-332/575-103
Marking strips; as a DIN A4 sheet; MARKED; 1-12 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

Installation Notes

Conductor termination

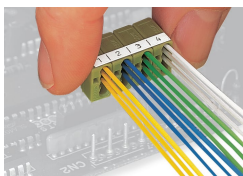


Inserting a conductor using pliers until it hits the backstop – directly on the PCB or wiring prior to mounting on PCB.



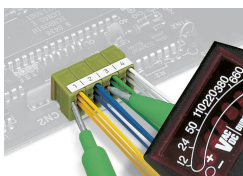
Removing a conductor using pliers – twisting alternately left and right – 243 Series

Installation



Removing a PCB connector strip to replace the board.

Testing



Testing – 243 Series