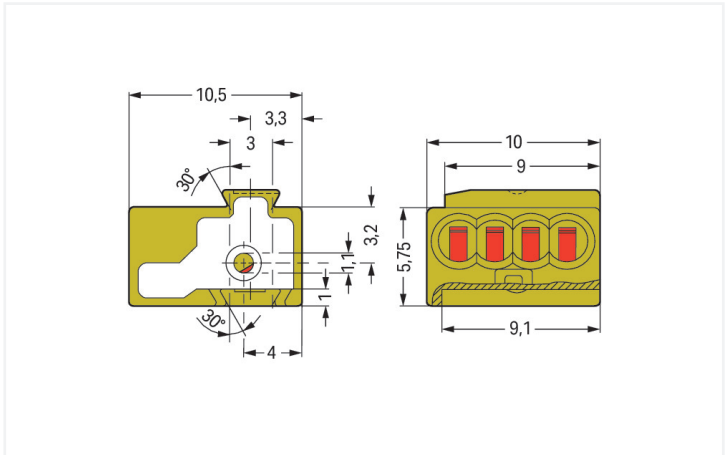




Color: ■ light green



Dimensions in mm

Pluggable pcb terminal block, 243 Series, light green

Convenient electrical installations are guaranteed with pluggable pcb terminal block (item number 243-743). Ensure that the strip lengths are between 5 mm and 6 mm when connecting conductors to pluggable pcb terminal block. Featuring one conductor terminal along with PUSH WIRE®, this connector delivers reliable performance. Our reliable PUSH WIRE® connection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. The dimensions are 17.25 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. It has one level. You can connect three potentials / three poles using the twelve clamping points. The clamping spring is made of a Copper alloy, the contacts are made of electrolytic copper (ECu), 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		
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	
Approvals per		CSA		
Use group	B	C	D	
Rated voltage	150 V	-	150 V	
Rated current	7 A	-	7 A	

Approvals per		UL 1059		
Use group	B	C	D	
Rated voltage	150 V	-	150 V	
Rated current	7 A	-	7 A	



Connection data			
Clamping units	12	Connection 1	
Total number of potentials	3	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	3

Physical data		
Pin spacing		5.75 mm / 0.226 inches
Width		17.25 mm / 0.679 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		0.036 MJ
Weight		2.2 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	4044918441902
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									
		<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr></table>	Approval	Standard	Certificate Name	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
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 243-743	



Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	↓

CAD/CAE-Data

CAD data
2D/3D Models 243-743

CAE data
EPLAN Data Portal 243-743

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

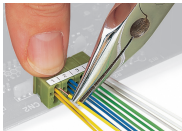
1.2.1.1 Marking strip



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

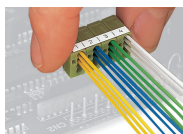


Inserting a conductor using pliers until it hits the backstop – directly on the PCB or wiring prior to mounting on PCB.



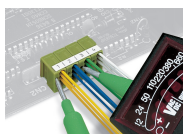
Removing a conductor using pliers – twisting alternately left and right – 243 Series

Installation



Removing a PCB connector strip to replace the board.

Testing



Testing – 243 Series