

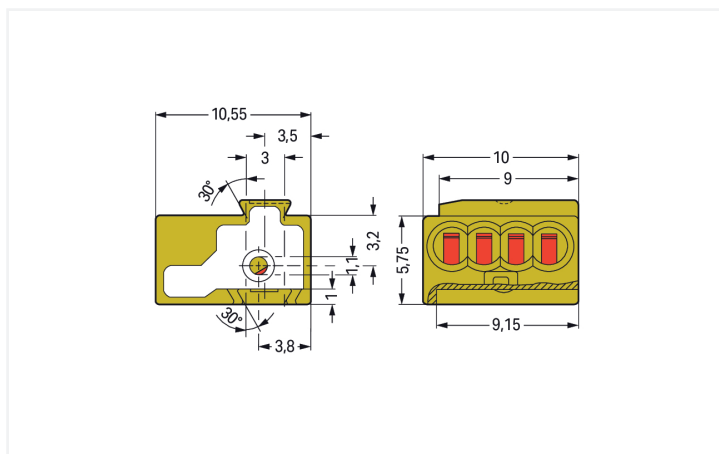
Data Sheet | Item Number: 243-743

4-conductor female plug; PUSH WIRE®; 0.8 mm Ø; Pin spacing 5.75 mm; 3-pole; for individual solder pins; light green

<https://www.wago.com/243-743>



Color: ■ light green



Dimensions in mm

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

Seamless electrical installations are guaranteed with pluggable pcb terminal block (item number 243-743). Ensure that the strip lengths are between 5 and 6 mm when connecting conductors to pluggable pcb terminal block. This product features 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. Dimensions: (17.25 x 10 x 10.5) mm (width x height x depth). Depending on the type of conductor, pluggable pcb terminal block is designed for conductor cross sections ranging from 0.5 mm² to 1 mm².

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 impulse withstand voltage	4 kV	4 kV	4 kV
Rated current	6 A	6 A	6 A

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	150 V	-	150 V
Rated current	7 A	-	7 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	12
Total number of potentials	3
Number of connection types	1
Number of levels	1

Connection 1

Connection technology	PUSH WIRE®
Connectable conductor materials	Copper
Solid conductor	0.5 ... 1 mm ² / 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

PU (SPU)	50 pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918441902
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 **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 Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	23-2417173-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	CAE data
2D/3D Models 243-743 ↓	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

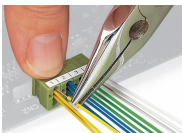


Item No.: 210-332/575-103

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

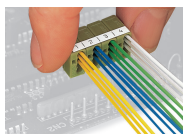


Inserting a conductor using pliers until it hits the backstop – directly on the PCB or wiring prior to mounting on PCB.



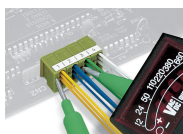
Removing a conductor using pliers – twisting alternately left and right – 243 Series

Installation



Removing a PCB connector strip to replace the board.

Testing



Testing – 243 Series