Data Sheet | Item Number: 243-748

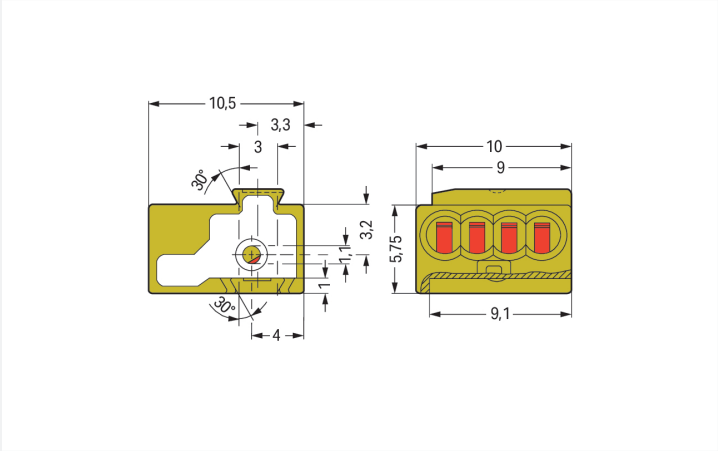
4-conductor female plug; PUSH WIRE®; 0.8 mm Ø; Pin spacing 5.75 mm; 8-pole; for individual solder pins; light green

https://www.wago.com/243-748



Color: light green

Similar to illustration



Dimensions in mm

Pluggable pcb terminal block, 243 Series, with 5.75 mm pin spacing

Our pluggable pcb terminal block (item number 243-748) is designed for seamless electrical installations. Conductors should only be connected to pluggable pcb terminal block if their strip length is between 5 and 6 mm . Featuring one conductor terminal along with PUSH WIRE®, this connector is highly versatile. Our trusted PUSH WIRE® connection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. Dimensions: (45.75 x 10 x 10.5) mm (width x height x depth). Depending on the conductor type, pluggable pcb terminal block is suitable for conductor cross sections ranging from 0.5 mm² to 1 mm².

The contact surface is coated with tin.

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	32
Total number of potentials	8
Number of connection types	1
Number of levels	1

Connection 1

Connection technology	PUSH WIRE®
Connectable conductor materials	Copper
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	8

Physical data

Pin spacing	5.75 mm / 0.226 inches
Width	45.75 mm / 1.801 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	$1.2^{(-0.05 \ldots +0.05)}$ 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	0.088 MJ
Weight	6.3 g

Continued on next page

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	4044918442169
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 10.0	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 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

Continued on next page

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 243-748

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB

CAD/CAE-Data

CAD data

2D/3D Models 243-748

CAE data

EPLAN Data Portal 243-748

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

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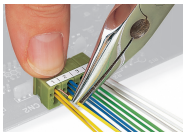
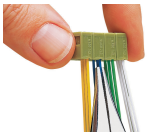
Installation Notes

Conductor termination

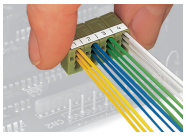


Inserting a conductor using pliers until it hits the backstop – directly on the PCB or wiring prior to mounting on PCB.



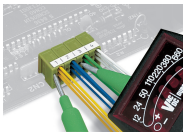
Removing a conductor using pliers – twisting alternately left and right – 243 Series

Installation



Removing a PCB connector strip to replace the board.

Testing



Testing – 243 Series