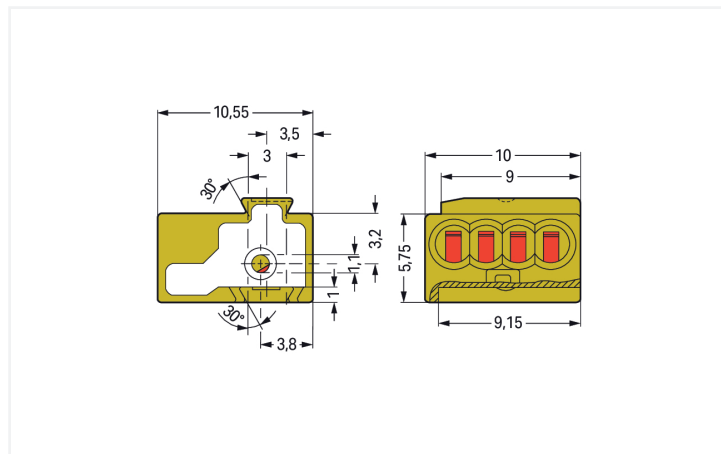


## Data Sheet | Item Number: 243-745/000-012

4-conductor female plug; PUSH WIRE®; 0.8 mm Ø; Pin spacing 5.75 mm; 5-pole; for individual solder pins; orange

<https://www.wago.com/243-745/000-012>



Color: ■ orange

Similar to illustration

Dimensions in mm

Pluggable pcb terminal block, 243 Series, PUSH WIRE®

Our pluggable pcb terminal block (item number 243-745/000-012) simplifies electrical installations. Ensure that the strip lengths are between 5 and 6 mm when connecting conductors to pluggable pcb terminal block. Featuring one conductor terminal along with PUSH WIRE®, this product is highly versatile. Our proven 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 (28.5 x 10 x 10.5) mm (width x height x depth). Depending on the type of conductor, pluggable pcb terminal block is suitable for conductor cross sections ranging from 0.5 mm<sup>2</sup> to 1 mm<sup>2</sup>.

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

### Connection data

Clamping units	20
Total number of potentials	5
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	5

### Physical data

Pin spacing	5.75 mm / 0.226 inches
Width	28.5 mm / 1.122 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)	<a href="#">Information on material specifications can be found here</a>
Color	orange
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Copper alloy
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact Plating	Tin
Fire load	0.06 MJ
Weight	3.7 g

### Environmental requirements

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

### Commercial data

PU (SPU)	400 (50) pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918441810
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
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### 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	-	23-2417173-PDA

## Downloads

## Environmental Product Compliance

## Compliance Search

Environmental Product  
Compliance  
243-745/000-012



## Documentation

## Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB



## CAD/CAE-Data

## CAD data

2D/3D Models  
243-745/000-012



## CAE data

EPLAN Data Portal  
243-745/000-012



## 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

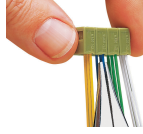
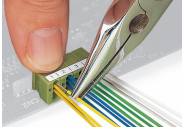


[Item No.: 210-332/575-103](#)

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

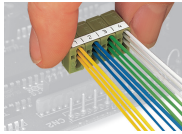
### Conductor termination



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

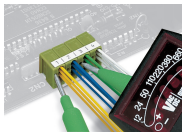
Removing a conductor using pliers – twisting alternately left and right – 243 Series

## Installation



Removing a PCB connector strip to replace the board.

## Testing



Testing – 243 Series