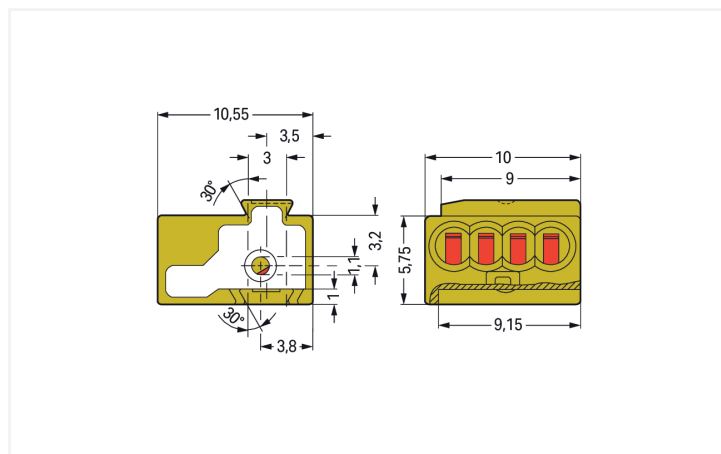


# Data Sheet | Item Number: 243-743/000-012

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

<https://www.wago.com/243-743/000-012>



Color: ■ orange

Similar to illustration

Dimensions in mm

Pluggable pcb terminal block, 243 Series, orange

Enjoy easy electrical installations with pluggable pcb terminal block (item number 243-743/000-012). Conductors can only be connected to pluggable pcb terminal block if their strip length is between 5 and 6 mm . This product features one conductor terminal and utilizes PUSH WIRE®. Our PUSH WIRE® connection offers a quick and simple method for connecting solid conductors. The item's dimensions are (17.25 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 mm<sup>2</sup> to 1 mm<sup>2</sup>.

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 <sup>2</sup> / 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)               | <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                          | 0.036 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                  | 4044918441759 |
| 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<br>DEKRA Certification B.V.       | EN 60998 | NTR NL 7812      |
| CSA<br>DEKRA Certification B.V.       | C22.2    | 70048857         |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 60998 | 71-112493        |
| UR<br>Underwriters Laboratories Inc.  | UL 1059  | E45172           |

| Approval   | Standard | Certificate Name |
|--|----------|------------------|
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | -        | -                |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | -        | -                |

**Approvals for marine applications**



| Approval                           | Standard | Certificate Name |
|------------------------------------|----------|------------------|
| ABS<br>American Bureau of Shipping | -        | 23-2417173-PDA   |

**Downloads**

**Environmental Product Compliance**

|   |
|---|
| <b>Compliance Search</b>                            |
| Environmental Product Compliance<br>243-743/000-012 |

## Documentation

### Additional Information

|                   |            |                   |                   |
|-------------------|------------|-------------------|-------------------|
| Technical Section | 03.04.2019 | pdf<br>2027.26 KB | <a href="#">↓</a> |
|-------------------|------------|-------------------|-------------------|

## CAD/CAE-Data

| CAD data  | CAE data   |
|---|--|
| 2D/3D Models<br>243-743/000-012 <a href="#">↓</a> | EPLAN Data Portal<br>243-743/000-012 <a href="#">↓</a> |

## 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

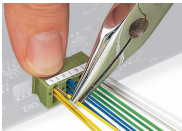


**Item No.: 210-332/575-103**

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

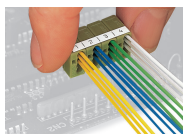


Inserting a conductor using pliers until it hits the backstop – directly on the PCB or wiring prior to mounting on PCB.



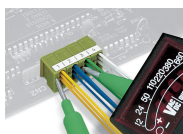
Removing a conductor using pliers – twisting alternately left and right – 243 Series

## Installation



Removing a PCB connector strip to replace the board.

## Testing



Testing – 243 Series