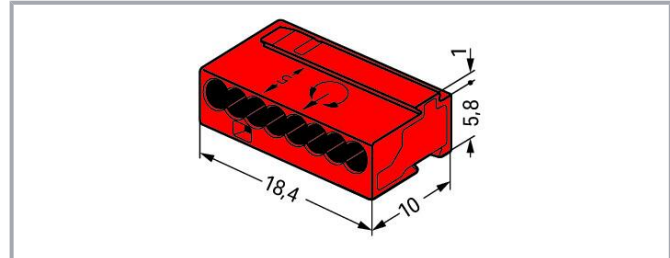


Data sheet | Item number: 243-808

MICRO PUSH WIRE® connector for junction boxes; for solid conductors; 0.8 mm Ø; 8-conductor; light gray cover; Surrounding air temperature: max 60° C; red

www.wago.com/243-808



Data

Electrical data

Ratings per IEC/EN

| | |
|----------------------------|--|
| Ratings per | EN 60664 |
| Nominal voltage (II/2) | 100 V |
| Rated surge voltage (II/2) | 1.5 kV |
| Rated current | 6 A |
| Legend (ratings) | (II / 2) \triangleq Overvoltage category II / Pollution degree 2 |

Connection data

| | |
|----------------------------|---|
| Connection points | 8 |
| Total number of potentials | 1 |
| Number of connection types | 1 |
| Number of levels | 1 |

Subject to changes. Please also observe the further product documentation!

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Connection 1

| | |
|---------------------------------|---|
| Connection technology | PUSH WIRE® |
| Actuation type | Push-in |
| Connectable conductor materials | Copper |
| Solid conductor | 22 ... 20 AWG |
| Conductor diameter | 0.6 ... 0.8 mm / 22 ... 20 AWG |
| Conductor diameter (note) | When using conductors of the same diameter, 0.5 mm (24 AWG) or 1 mm (18 AWG) diameters are also possible. |
| Strip length | 5 ... 6 mm / 0.2 ... 0.24 inches |
| Wiring direction | Side-entry wiring |

Physical data

| | |
|--------|------------------------|
| Width | 18.4 mm / 0.724 inches |
| Height | 6.8 mm / 0.268 inches |
| Depth | 10 mm / 0.394 inches |

Material Data

| | |
|----------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | red |
| Cover color | light gray |
| Fire load | 0.019 MJ |
| Weight | 1.4 g |

Environmental requirements

| | |
|----------------------------------|--------|
| Ambient temperature (operation) | +60 °C |
| Continuous operating temperature | 105 °C |

Commercial data

| | |
|----------------|--------------|
| eCl@ss 10.0 | 27-14-11-04 |
| eCl@ss 9.0 | 27-14-11-04 |
| ETIM 8.0 | EC000446 |
| ETIM 7.0 | EC000446 |
| PU (SPU) | 500 (50) pcs |
| Packaging type | box |

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| | |
|-----------------------|---------------|
| Country of origin | DE |
| GTIN | 4044918502795 |
| Customs tariff number | 85369010000 |

Environmental Product Compliance



| | |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | 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

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |
|  | UK-Declaration of Conformity WAGO GmbH & Co. KG | - | - |



Approvals for marine applications

Certificate

Subject to changes. Please also observe the further product documentation!

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| Logo | Approval | Additional Approval Text | name |
|---|---|--------------------------|--------------------------|
|  | ABS American Bureau of Shipping | - | 18- HG1755093- PDA |
|  | LR Lloyds Register | EN 60998 | LR22207029TA |

Optional accessories

Mounting adapter

Mounting accessories



Item no.: 243-112

Mounting carrier; for 4 connectors; 243 Series; for DIN-35 rail mounting/screw mounting; orange

www.wago.com/243-112



Item no.: 243-113

Mounting carrier; for 6 connectors; 243 Series; for DIN-35 rail mounting/screw mounting; orange

www.wago.com/243-113

Marking accessories

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

www.wago.com/210-332/575-103

Downloads

Documentation

Bid Text

| | | | |
|-------------------------|-------------|----------------|----------|
| 243-808 X81 - Datei | 2019 Feb 19 | xml 3.3 kB | Download |
| 243-808 doc - Datei | 2017 May 17 | doc 25.6 kB | Download |
| ausschreiben.de 243-808 | | URL | Download |

CAD/CAE-Data

CAE data

Subject to changes. Please also observe the further product documentation!

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EPLAN Data Portal 243-808

[URL](#)

[Download](#)

WSCAD Universe 243-808

[URL](#)

[Download](#)

CAD data

2D/3D Models 243-808

[URL](#)

[Download](#)

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 243-808

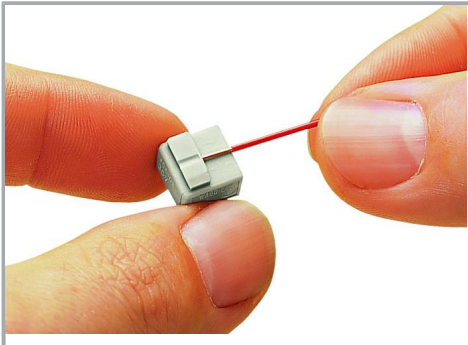
[URL](#)

[Download](#)

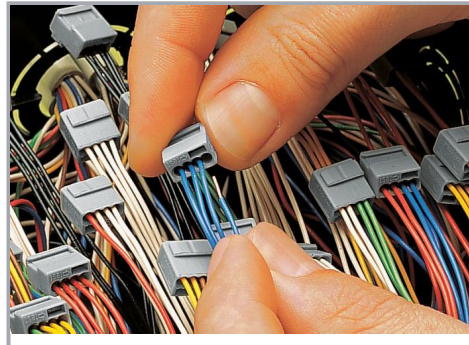
MICRO PUSH WIRE® connector for junction boxes; for solid conductors; 0.8 mm Ø; 8-conductor; light gray cover; Surrounding air temperature: max 60°C; red

Installation Notes

Conductor termination

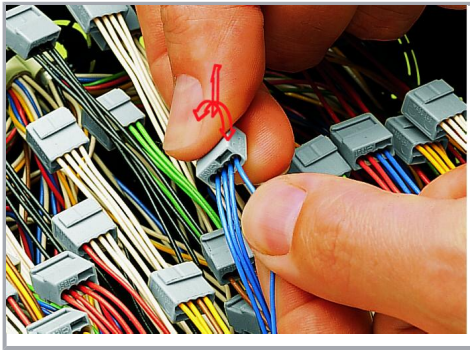


Strip solid conductors to 5 ... 6 mm (0.19 ... 0.23 inch).



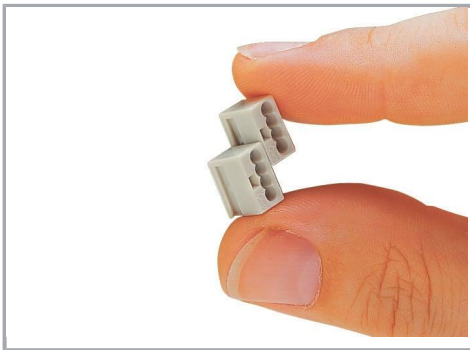
Termination: Insert the stripped solid conductor until it hits the backstop.

Subject to changes. Please also observe the further product documentation!



Removal: Hold conductor to be removed and twist alternately left and right while pulling the connector.

Installation



Connector strips:

Assembling modular connectors into connector strips.

Commoning

Subject to changes. Please also observe the further product documentation!



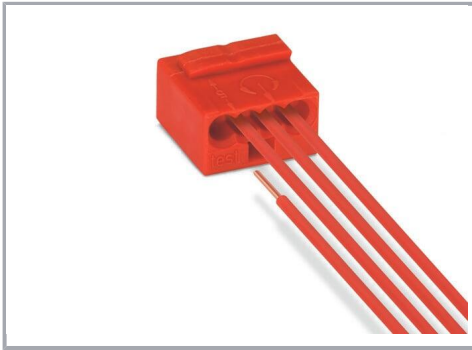
Commoned connector strips

Testing



Testing via test port opposite to conductor entry.

Subject to changes. Please also observe the further product documentation!



The 243 Series can be used in both communication and alarm systems according to the VdS (German Association of Property Insurers) guidelines.

No general approval is given to PUSH WIRE® connectors by the VdS association. The connectors must be tested together with the different parts of the system.

The requirements for connectors are specified in the VdS guidelines for junction boxes (VdS 2116) in section 8.7: "The junction box connectors must be designed to guarantee a reliable and stable connection."

The verification of the fulfillment of these requirements is documented in the VDE test report No. 2574-1440-4031 for the insulated 243 Series PUSH WIRE® Connectors.

Subject to changes. Please also observe the further product documentation!