Data Sheet | Item Number: 243-9294/995-020

MICRO PUSH WIRE® connector for junction boxes; for solid conductors; max. 0.8 mm Ø; 4-conductor; light gray cover; Surrounding air temperature: max 60°C; 0,80 mm²; dark gray

https://www.wago.com/243-9294/995-020



Color: dark gray

Push wire® connector for junction boxes, 243 Series, PUSH WIRE®

Our push wire® connector for junction boxes (item number 243-9294/995-020) simplifies electrical installations. Our 243 Series MICRO PUSH WIRE® connectors for junction boxes are ideal for low-voltage installations in buildings. Whether you're wiring doorbell or intercom systems, our MICRO junction box connectors impress with their compact and space-saving design. Ensure that the strip lengths are between 5 and 6 mm when connecting conductors to push wire® connector for junction boxes. This splicing connector has a rated voltage of 100 V and can handle currents up to 6 A. Featuring one conductor terminal along with PUSH WIRE®, this product delivers reliable performance. Our PUSH WIRE® connection is the simple and reliable method for connecting solid conductors. Dimensions: (10 x 6.8 x 10) mm (width x height x depth).

This item includes:

			
Item No.: 243-204 — 5	Item No.: 243-304 — 5	Item No.: 243-504 — 5	Item No.: 243-804 — 5
PUSH WIRE® splicing connector; for solid conductors; max. 0.8 mm Ø; 4-conductor; dark gray housing; light gray cover; Surrounding air temperature: max 60°C; 0,80 mm²; dark gray	MICRO PUSH WIRE® connector for junction boxes; for solid conductors; max. 0.8 mm Ø; 4-conductor; light gray housing; light gray cover; Surrounding air temperature: max 60°C; light gray	MICRO PUSH WIRE® connector for junction boxes; for solid conductors; max. 0.8 mm Ø; 4-conductor; light gray cover; Surrounding air temperature: max 60°C; yellow	MICRO PUSH WIRE® connector for junction boxes; for solid conductors; max. 0.8 mm Ø; 4-conductor; light gray cover; Surrounding air temperature: max 60°C; red

Notes

General safety information

NOTICE: Observe installation and safety instructions!

- **Only to be used by electricians!**
- Do not work under voltage/load!
- Use only for proper use!
- Observe national regulations/standards/guidelines!
- Observe technical specifications for the products!
- Observe the number of permissible potentials!
- Do not use damaged/dirty components!
- Observe conductor types, cross-sections and strip lengths!
- Insert conductor until it hits the product's backstop!
- Use original accessories!

To be sold only with installation instructions!

Electrical data

Ratings per		EN 60664	
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	100 V
Rated impulse withstand voltage	-	-	1.5 kV
Rated current	-	-	6 A

General information

Wiring direction	Side-entry wiring

Connection Data

Clamping units	4
Total number of potentials	1
Number of connection types	1
Number of levels	1

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	10 mm / 0.394 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	dark gray
Fire load	0.012 MJ
Weight	0.8 g

Environmental requirements

Ambient temperature (operation)	+60 °C

Commercial data

PU (SPU)	360 (20) pcs
Packaging type	Blister foil
Country of origin	DE
GTIN	4066966002003
Customs tariff number	85369010000

Continued on next page

Product Classification

UNSPSC	39121409
ETIM 9.0	EC000446
ETIM 10.0	EC000446
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 243-9294/995-020

1 Compatible Products

1.1 Optional Accessories

1.1.1 Mounting adapter

1.1.1.1 Mounting accessories



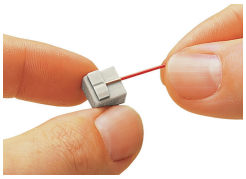
Item No.: 243-112
Mounting carrier; for 4 connectors; 243 Series; for DIN-35 rail mounting/screw mounting; orange



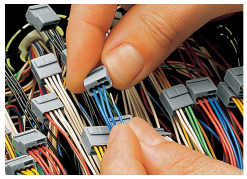
Item No.: 243-113
Mounting carrier; for 6 connectors; 243 Series; for DIN-35 rail mounting/screw mounting; orange

Installation Notes

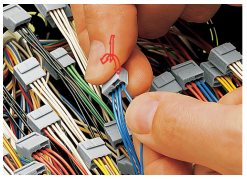
Conductor termination



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



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



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



Commoned connector strips

Testing



Testing via test port opposite to conductor entry.



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.