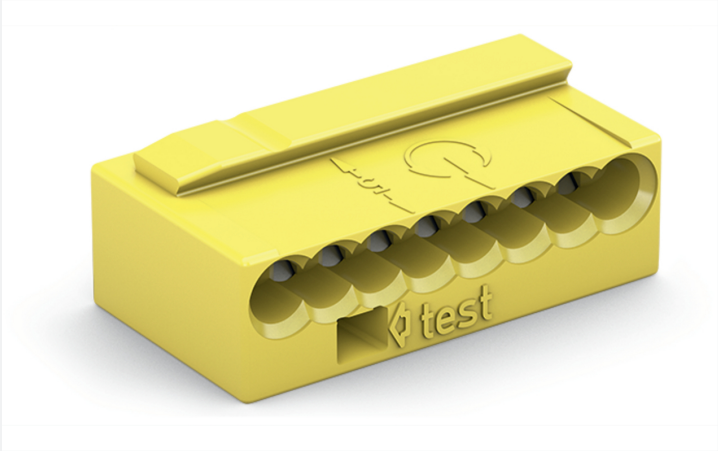
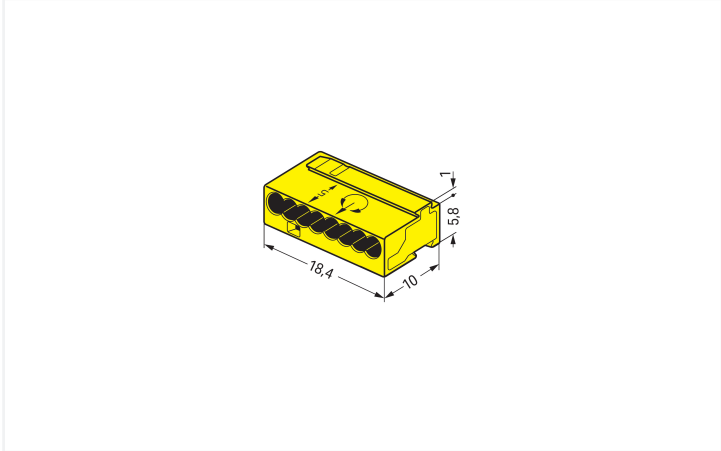
Data Sheet | Item Number: 243-508

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

https://www.wago.com/243-508



Color: yellow



Dimensions in mm

PUSH WIRE® splicing connector, 243 Series, Push-in

This PUSH WIRE® splicing connector (item number 243-508) is designed for seamless electrical installations. WAGO's 243 Series MICRO PUSH WIRE® connectors for junction boxes are perfect for low-voltage building installations. Whether for bell or intercom system wiring, our MICRO junction box connectors are just right thanks to their compact design—perfect for these types of installations. Conductors can only be connected to this PUSH WIRE® splicing connector if their strip length is between 5 and 6 mm . This splicing connector has a rated voltage of 100 V and can handle currents up to 6 A. This product features one conductor terminal and utilizes PUSH WIRE®. Our PUSH WIRE® connection offers a quick and easy method for connecting solid conductors. The item's dimensions are (18.4 x 6.8 x 10) mm (width x height x depth).

Fast and straightforward: the PUSH WIRE® connection

- Compact sizes
- Ready to install, immediately usable
- Actuation via push-in

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

Connection 1

Connection technology	PUSH WIRE®
Actuation Method	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	yellow
Cover color	light gray
Fire load	0.014 MJ
Weight	1.4 g

Environmental requirements

Ambient temperature (operation)	+60 °C
Relative humidity during storage and transportation	20 … 95 %
Ambient temperature (installation)	-35 … +60 °C
Continuous operating temperature	105 °C

Commercial data

PU (SPU)	500 (50) pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918502726
Customs tariff number	85369010000

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Product Classification

UNSPSC	39121409
eCl@ss 10.0	27-14-11-04
eCl@ss 9.0	27-14-11-04
ETIM 9.0	EC000446
ETIM 10.0	EC000446
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
LR Lloyds Register	EN 60998	LR22207029TA

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 243-508

Documentation

Bid Text

243-508	19.02.2019	xml 3.26 KB
243-508	17.05.2017	doc 25.00 KB
ausschreiben.de 243-508		

CAD/CAE-Data

CAD data

2D/3D Models 243-508

CAE data

EPLAN Data Portal 243-508

WSCAD Universe 243-508

1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 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

1.1.2 Mounting adapter

1.1.2.1 Mounting accessories



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

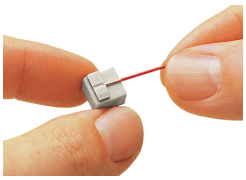


Item No.: 243-113
Mounting carrier; for 6 connectors; 243 Series; for DIN-35 rail mounting/screw mounting; orange

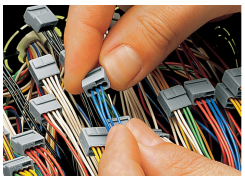
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Installation Notes

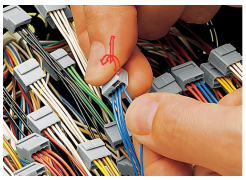
Conductor termination



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.

 Continued on next page



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.