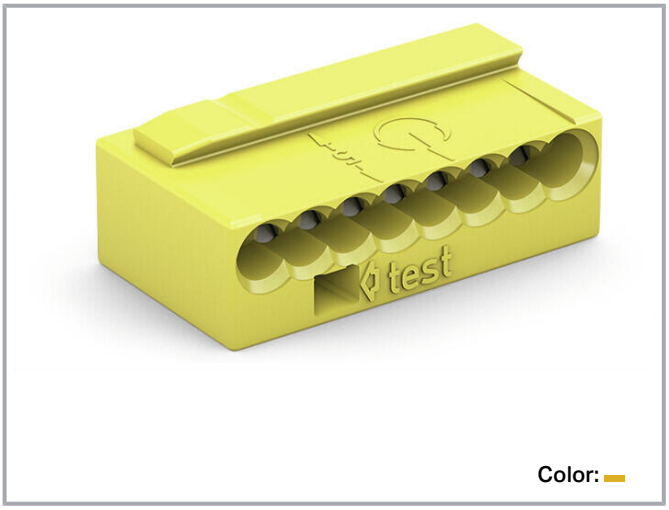
Data sheet | Item number: 243-508

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

www.wago.com/243-508



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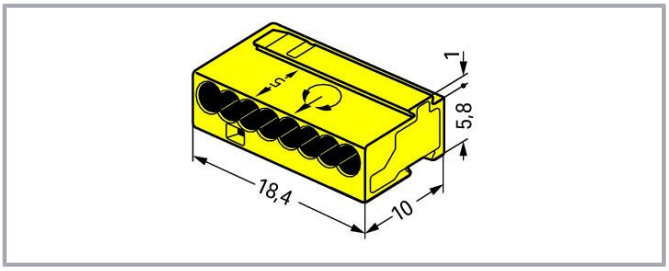

Data

Notes

Sicherheitshandhabungshinweis	**Attention: Observe operating instructions, danger to life and limb!**

- **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 in hits the product's backstop!
- Use original accessories!

To be sold only with installation instructions!

Electrical data

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

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Email: info.de@wago.com | Web: www.wago.com

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

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) ≙ 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

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	yellow
Cover color	light gray
Fire load	0.019 MJ

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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
ECCN	NO DATA
PU (SPU)	500 (50) pcs
Packaging type	box
Country of origin	DE
GTIN	4044918502726
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

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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

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

Optional accessories

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

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

Downloads

Documentation

Bid Text

243-508 X81 - Datei	2019 年2月19 日	xml 3.3 kB	Download
243-508 doc - Datei	2017 年5月17 日	doc 25.6 kB	Download
ausschreiben.de 243-508		URL	Download

CAD/CAE-Data

CAE data

EPLAN Data Portal 243-508	URL	Download
WSCAD Universe 243-508	URL	Download

CAD data

2D/3D Models 243-508	URL	Download

Asset Administration Shell

Asset Administration Shell 243-508	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 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	URL	Download

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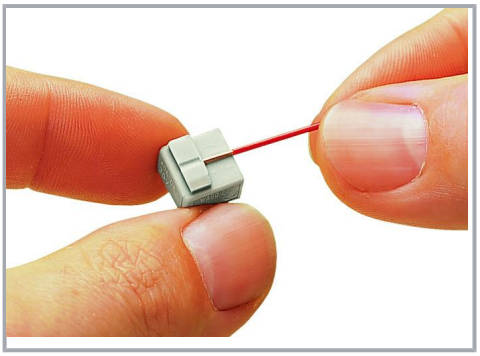
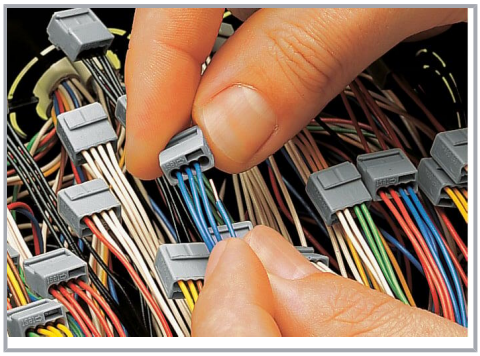
Installation Notes

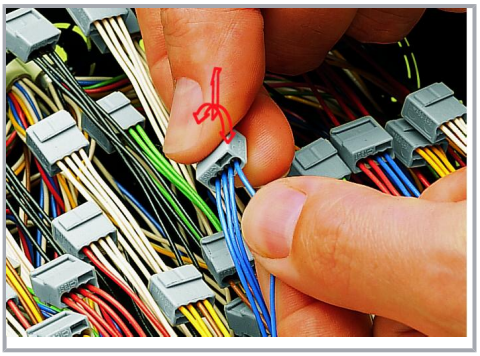
Conductor termination



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

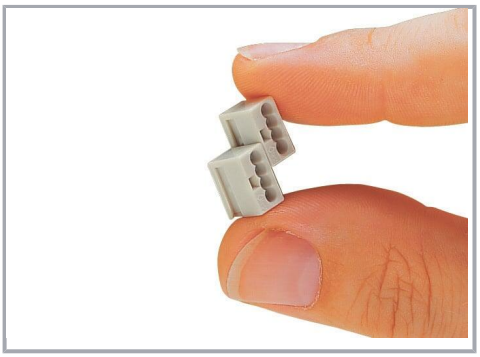


Termination: Insert the stripped solid conductor until it hits the backstop.



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.

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Commoning

Commoned connector strips

Testing

Testing via test port opposite to conductor entry.

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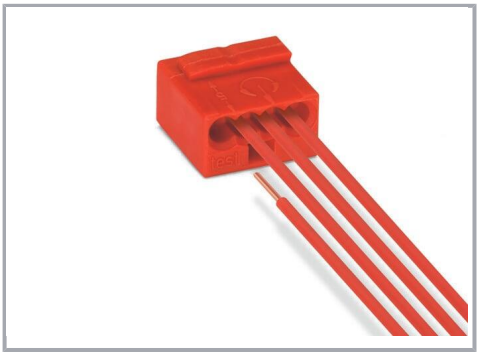

The 243 Series can be used in both communication and alarm systems according to the VdS (German Association of Property Insurers) guidelines.

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.

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