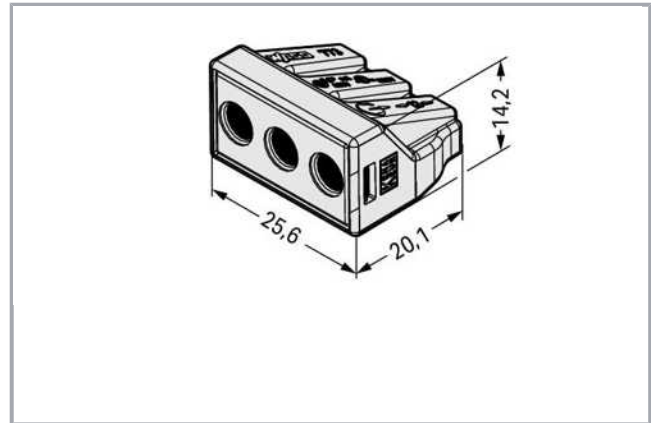


Data sheet | Item number: 773-493

PUSH WIRE® connector for junction boxes; for solid and stranded conductors; for Ex applications; max. 2.5 mm²; 3-conductor; light gray housing; light gray cover; Surrounding air temperature: max 60°C; 6,00 mm²

www.wago.com/773-493



Item description

Note:

Terminating Aluminum Conductors

WAGO spring clamp terminal blocks are suitable for solid aluminum conductors up to 4 mm²/12 AWG if WAGO "Alu-Plus" Contact Paste is used for termination.

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

WAGO Kontakttechnik GmbH & Co. KG
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32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
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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.



"Alu-Plus" Contact Paste Advantages:

- Automatically destroys the oxide film during clamping.
- Prevents fresh oxidation at the clamping point.
- Prevents electrolytic corrosion between aluminum and copper conductors (in the same terminal block).
- Provides long-term protection against corrosion.

For spring clamp connections with PUSH WIRE® connection technology, **WAGO recommends that the aluminum conductor first be cleaned** and then immediately inserted into the clamping unit filled with "Alu-Plus" contact paste.

It is also possible to apply WAGO "Alu-Plus" **additionally** on the whole surface of the aluminum conductor before termination.

Please note that the nominal currents must be adapted to the reduced conductivity of the aluminum conductors::

2.5 mm² = 16 A

4 mm² = 22 A

Safety information 1:

275 V at a distance < 10 mm to parts of other potentials

Safety information 2:

To be used only in conjunction with 773-331 Mounting Carrier.

Data

Electrical data

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Rated current	42 A

Approvals Ex

Rated voltage EN (Ex e II)	550 V
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Connection data

Connection technology	PUSH WIRE®
Actuation type	Push-in
Connectable conductor materials	Copper Aluminum
Solid conductor	2,5 ... 6 mm² / 14 ... 10 AWG
Strip length	12 ... 15 mm / 0.47 ... 0.59 inch
Total number of connection points	3

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Total number of potentials	1
Type of wiring	Side-entry wiring

Geometrical Data

Width	25,6 mm / 1.008 inch
Height	14,2 mm / 0.559 inch
Depth	20,1 mm / 0.791 inch

Material Data

Cover color	light gray
Flammability class per UL94	V2
Fire load	0.113 MJ
Weight	5.8 g

Environmental Requirements


Surrounding air (operating) temperature	60 °C
Continuous operating temperature	105 °C

Commercial data

Product Group	7 (Push Wire Conn.)
Packaging type	BOX
Country of origin	CN
GTIN	4055143287593
Customs Tariff No.	85369010000

Approvals / Certificates

Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ATEX UL International Demko A/S	EN 60079	DEMKO 03 ATEX 131845U (II 2 G Ex eIIC Gb)

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
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Subject to changes. Please also observe the further product documentation!

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UL
UL International Germany GmbH

UL 486C

E69654

Counterpart

Compatible products

Mounting adapter



Item no.: 773-331

Mounting carrier; for Ex applications; 773 Series - 2.5 mm² / 6 mm²; for DIN-35 rail mounting/screw mounting; light gray

www.wago.com/773-331

Downloads

Documentation

Bid Text

773-493 doc - Datei	May 17, 2017	doc 25.6 kB	Download
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773-493 GAEB X81 - Datei	Feb 19, 2019	xml 3.2 kB	Download
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Additional Information

Technical explanations	Apr 3, 2019	pdf 2.1 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 773-493	URL	Download
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CAE data

WSCAD Universe 773-493	URL	Download
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Installation Notes

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

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