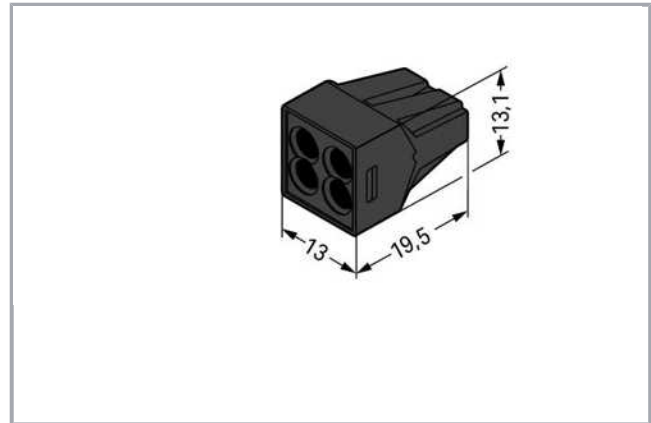


Data sheet | Item number: 773-514

PUSH WIRE® connector for junction boxes; for solid and stranded conductors; max. 2.5 mm²; 4-conductor; Black housing; black cover; Max. surrounding air temperature: 105 °C; 2,50 mm²

www.wago.com/773-514



RoHS
Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color:

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.

"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.

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

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32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
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.



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:

in grounded power lines

Data

Electrical data

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Rated voltage (II / 2)	400 V
Rated impulse voltage (II / 2)	4 kV
Rated current	24 A
Legend (ratings)	(II / 2) ≙ Overvoltage category II / Pollution degree 2

Connection data

Connection technology	PUSH WIRE®
Actuation type	Push-in
Connectable conductor materials	Copper Aluminum
Solid conductor	0,75 ... 2,5 mm² / 18 ... 12 AWG
Stranded conductor	1,5 ... 2,5 mm² / 16 ... 12 AWG
Strip length	12 mm / 0.47 inch
Total number of connection points	4
Total number of potentials	1
Type of wiring	Side-entry wiring

Geometrical Data

Width	13 mm / 0.512 inch
Height	13,1 mm / 0.516 inch
Depth	19,5 mm / 0.768 inch

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Material Data

Color	black
Cover color	black
Flammability class per UL94	V2
Weight	2.1 g

Environmental Requirements


Surrounding air (operating) temperature	105 °C
Continuous operating temperature	150 °C

Commercial data


Product Group	7 (Push Wire Conn.)
Packaging type	BOX
Country of origin	CN
GTIN	4045454259433
Customs Tariff No.	85369010000

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CSA DEKRA Certification B.V.	C22.2	15411 (LR46759)

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 486C	E69654

Counterpart

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

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Compatible products

General accessories



Item no.: 249-130

Syringe; Contents: 20 ml Alu-Plus contact paste

www.wago.com/249-130

Mounting adapter



Item no.: 773-332

Mounting carrier; 773 Series - 2.5 mm² / 4 mm² / 6 mm²; for DIN-35 rail mounting/screw mounting; orangewww.wago.com/773-332

Downloads

Documentation

Bid Text

773-514 GAEB X81 - Datei	Feb 19, 2019	xml 3.2 kB	Download
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773-514 doc - Datei	May 17, 2017	doc 25.6 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 773-514	URL	Download
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CAE data

EPLAN Data Portal 773-514	URL	Download
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WSCAD Universe 773-514	URL	Download
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Installation Notes

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

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