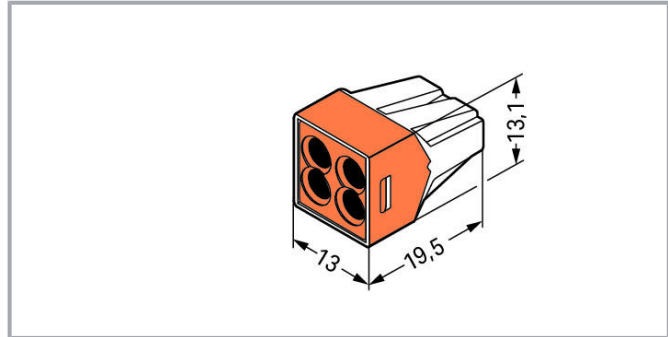


Data sheet | Item number: 773-164

PUSH WIRE® connector for junction boxes; for solid and stranded conductors; max. 2.5 mm²; 4-conductor; transparent housing; orange cover; Surrounding air temperature: max 60°C; 2,50 mm²; multicoloured

www.wago.com/773-164



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.

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.

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

WAGO Kontakttechnik GmbH & Co. KG
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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.



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

Ratings per	IEC/EN 60664-1
Nominal voltage (II/2)	400 V
Rated surge 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 Push-in
Connectable conductor materials	Copper Aluminum Copper Aluminum
Solid conductor	0.75 ... 2.5 mm ² / 18 ... 12 AWG
Stranded conductor	1.5 ... 2.5 mm ² / 16 ... 12 AWG
Strip length	12 mm / 0.47 inch
Total number of connection points	4
Total number of potentials	1
Wiring direction	Side-entry wiring

Physical data

Width	13 mm / 0.512 inch
Height	13.1 mm / 0.516 inch
Depth	19.5 mm / 0.768 inch

Material data

Color	multicoloured
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Cover color	orange
Flammability class per UL94	V2
Fire load	0.057 MJ
Weight	2.7 g

Environmental requirements

Surrounding air temperature (operation)	60 °C
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Commercial data

Product Group	7 (Push Wire Conn.)
Packaging type	box
Country of origin	DE
GTIN	4044918398022

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
 LISTED WIRE CONNECTOR 667F	UL UL International Germany GmbH	UL 486C	E69654

Optional accessories

General accessories

	Item no.: 249-130 Syringe; Contents: 20 ml Alu-Plus contact paste	www.wago.com/249-130
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Mounting adapter

	Item no.: 773-332 Mounting carrier; 773 Series - 2.5 mm² / 4 mm² / 6 mm²; for DIN-35 rail mounting/screw mounting; orange	www.wago.com/773-332
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Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 2.2 MB	Download
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CAD/CAE-Data

CAE data

WSCAD Universe 773-164	URL	Download
EPLAN Data Portal 773-164	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 773-164	URL	Download
PUSH WIRE® connector for junction boxes; for solid and stranded conductors; max. 2.5 mm²; 4-conductor; transparent housing; orange cover; Surrounding air temperature: max 60°C; 2,50 mm²; multicoloured		

Installation Notes

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