

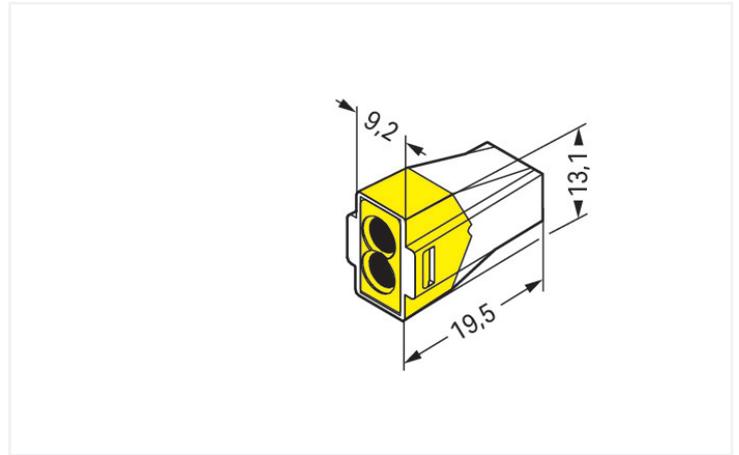
## Data Sheet | Item Number: 773-162

PUSH WIRE® connector for junction boxes; for solid and stranded conductors; max. 2.5 mm<sup>2</sup>; 2-conductor; transparent housing; yellow cover; Surrounding air temperature: max 60°C; 2,50 mm<sup>2</sup>; transparent

<https://www.wago.com/773-162>



Color:  transparent



Dimensions in mm

Push wire® splicing connector, 773 Series, Push-in

Convenient electrical installations are guaranteed with push wire® splicing connector (item number 773-162). This series of PUSH WIRE® connectors ensures safe and quick connections in both surface-mounted and flush-mounted junction boxes in any building, regardless of installation complexity. Strip lengths must be 12 mm when connecting conductors to push wire® splicing connector. Our splicing connector is rated for 400 V and is designed for use with a rated current of up to 24 A. As such, it is suitable for high-load applications. Featuring conductor terminals along with PUSH WIRE®, this product outperforms the competition. Our PUSH WIRE® connection uses the stiffness of the conductor to overcome the clamping spring's contact force, allowing faster and easier conductor clamping. The dimensions are (9.2 x 13.1 x 19.5) mm (width x height x depth). Depending on the type of conductor, push wire® splicing connector is designed for conductor cross sections ranging from 0.75 mm<sup>2</sup> to 2.5 mm<sup>2</sup>.

Tin is used for coating the contact surfaces.

### 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!

Safety Information

**To be sold only with installation instructions!**

in grounded power lines

## Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	400 V
Rated impulse withstand voltage	-	-	4 kV
Rated current	-	-	24 A

## General information

Wiring direction	Side-entry wiring
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## Connection Data

Clamping units	2
Total number of potentials	1

## Connection 1

Connection technology	PUSH WIRE®
Actuation type	Push-in
Connectable conductor materials	Copper Aluminum
Connectable conductor materials (note)	<b>Terminating Aluminum Conductors (not for use in North America)</b> WAGO Spring-Clamp Terminal Blocks are also suitable for solid aluminum conductors up to 4 mm <sup>2</sup> /12 AWG if WAGO "Alu-Plus" Contact Paste <a href="#">249-130</a> 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 pressure 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 mm<sup>2</sup> = 16 A  
4 mm<sup>2</sup> = 22 A

Solid conductor	0.75 ... 2.5 mm <sup>2</sup> / 18 ... 12 AWG
Stranded conductor	1.5 ... 2.5 mm <sup>2</sup> / 16 ... 12 AWG
Strip length	12 mm / 0.47 inches
Wiring direction	Side-entry wiring

### Physical data

Width	9.2 mm / 0.362 inches
Height	13.1 mm / 0.516 inches
Depth	19.5 mm / 0.768 inches

### Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	transparent
Cover color	yellow
Material group	IIIa
Insulation material (main housing)	Polycarbonate (PC)
Flammability class per UL94	V2
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact Plating	Tin
Fire load	0 MJ
Weight	1.8 g

### Environmental requirements

Ambient temperature (operation)	+60 °C
Continuous operating temperature	105 °C

### Commercial data

PU (SPU)	1000 (100) pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918397995
Customs tariff number	85369010000

### 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
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## Approvals / Certificates

### General approvals



Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2	15411 (LR46759)
UL UL International Germany GmbH	UL 486C	E69654

## Downloads

### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 773-162



## CAD/CAE-Data

### CAE data

EPLAN Data Portal 773-162



WSCAD Universe 773-162



## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Mounting adapter

##### 1.1.1.1 Mounting accessories



**Item No.: 773-332**

Mounting carrier; 773 Series - 2.5 mm<sup>2</sup> / 4 mm<sup>2</sup> / 6 mm<sup>2</sup>; for DIN-35 rail mounting/ screw mounting; orange

## 1.1.2 Tool

### 1.1.2.1 "Alu-Plus" contact paste



Item No.: [249-130](#)

Syringe; Contents: 20 ml Alu-Plus contact paste