

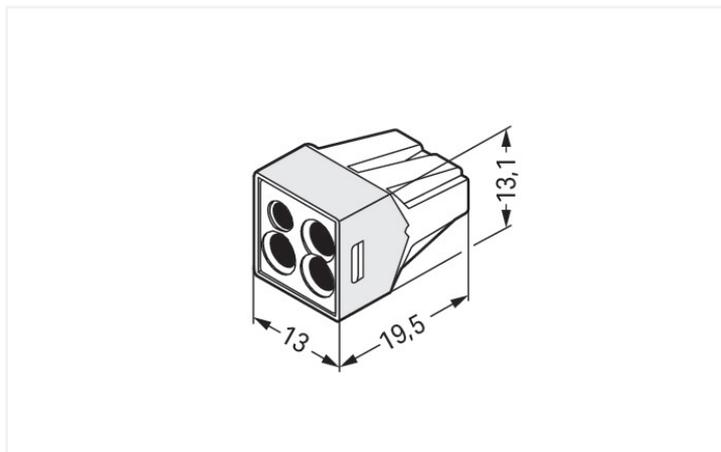
## Data Sheet | Item Number: 773-124

PUSH WIRE® connector for junction boxes; for solid and stranded conductors; max. 2.5 mm<sup>2</sup>; 4-conductor; transparent housing; light gray cover; Surrounding air temperature: max 60°C; 2,50 mm<sup>2</sup>; transparent

<https://www.wago.com/773-124>



Color:  transparent



Dimensions in mm

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

Push wire® splicing connector (item number 773-124) provides fault-free electrical installations. Quickly and securely connect conductors in any building installation with WAGO's 773 Series PUSH WIRE® connectors, designed for both surface and flush-mounted junction boxes. Whether you intend to use them in private or commercial applications, this series of PUSH WIRE® connectors for junction boxes ensures simple and time-saving installations. Ensure that the strip lengths are 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. It can therefore be used in high-load applications. This product features conductor terminals and utilizes PUSH WIRE®. Our reliable PUSH WIRE® connection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. The item's dimensions are (13 x 13.1 x 19.5) mm (width x height x depth). Push wire® splicing connector is suitable 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			General information	
	Overvoltage category	III	III	II	Wiring direction
Pollution degree	3	2	2		
Nominal voltage	-	-	400 V		
Rated impulse withstand voltage	-	-	4 kV		
Rated current	-	-	24 A		

## Connection Data

Clamping units	4		
Total number of potentials	1		
		<b>Connection 1</b>	
		Connection technology	PUSH WIRE®
		Actuation type	Push-in
		Connectable conductor materials	Copper Aluminum
		Connectable conductor materials (note)	<p><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.</p> <p>"Alu-Plus" Contact Paste Advantages:</p> <ul style="list-style-type: none"> <li>• Automatically destroys the oxide film during clamping.</li> <li>• Prevents fresh oxidation at the clamping point.</li> <li>• Prevents electrolytic corrosion between aluminum and copper conductors (in the same terminal block).</li> <li>• Provides long-term protection against corrosion.</li> </ul> <p>For spring pressure connections with PUSH WIRE® connection technology, <b>WAGO recommends that the aluminum conductor first be cleaned</b> and then immediately inserted into the clamping unit filled with "Alu-Plus" contact paste.</p> <p>It is also possible to apply WAGO "Alu-Plus" <b>additionally</b> on the whole surface of the aluminum conductor before termination.</p> <p>Please note that the nominal currents must be adapted to the reduced conductivity of the aluminum conductors::</p> <p>2.5 mm<sup>2</sup> = 16 A 4 mm<sup>2</sup> = 22 A</p>
		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	13 mm / 0.512 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	light gray
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	0.058 MJ
Weight	2.8 g

### Environmental requirements

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

### Commercial data

Product Group	7 (Push Wire Conn.)
PU (SPU)	1000 (100) pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918397834
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 773-124



## CAD/CAE-Data

### CAE data

EPLAN Data Portal 773-124



WSCAD Universe 773-124



## 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