

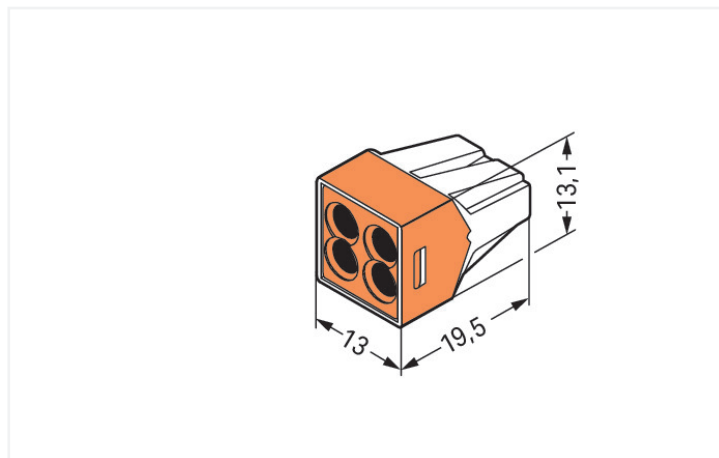
## Data Sheet | Item Number: 773-104

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

<https://www.wago.com/773-104>



Color:  transparent



Dimensions in mm

Push wire® splicing connector, 773 Series, PUSH WIRE®

Effortless electrical installations are guaranteed with push wire® splicing connector (item number 773-104). 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. This splicing connector has a rated voltage of 400 V and can handle currents up to 24 A, making it ideal for high-load applications. Strip lengths must be 12 mm when connecting conductors to push wire® splicing connector. This product features conductor terminals and utilizes PUSH WIRE®. Our PUSH WIRE® connection uses the stiffness of the conductor to overcome the clamping spring's contact force, allowing you to clamp the conductor in place more quickly and easily. 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>. The contact surface is coated with tin.

### Notes

General safety instructions

**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 surge voltage	-	-	4 kV
Rated current	-	-	24 A

## Connection data

Clamping units	4
Total number of potentials	1

### Connection 1

Connection technology	PUSH WIRE®
Actuation type	Push-in
Connectable conductor materials	Copper Aluminum

Connectable conductor materials (note) **Terminating Aluminum Conductors (not for use in North America)** 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 [249-130](#) 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
Note (conductor cross-section)	When using conductors of the same diameter, 0.75 mm <sup>2</sup> /18 AWG cross-section is also possible.
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)

[Information on material specifications can be found here](#)

Color	transparent
Cover color	orange
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	0.056 MJ
Weight	2.5 g

### Environmental requirements

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

### 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 8.0	EC000446
ECCN	NO US CLASSIFICATION

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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