

## Data sheet | Item number: 773-164

PUSH WIRE® connector for junction boxes; for solid and stranded conductors; max. 2.5 mm<sup>2</sup>; 4-conductor; transparent housing; orange cover; max. ambient operating temp. 60 °C

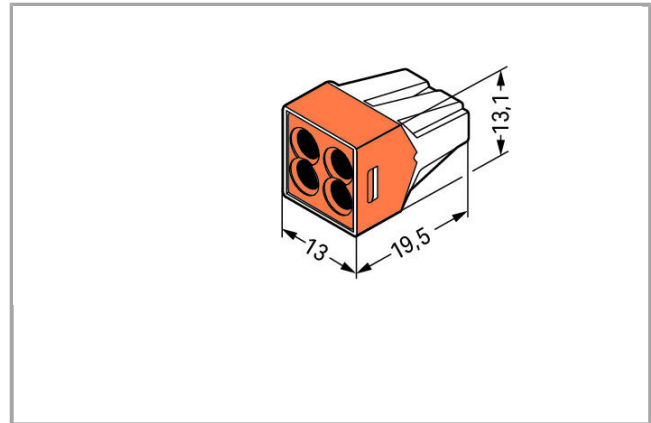


773-164



RoHS Compliant

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



### Item description

#### Note:

##### Terminating Aluminum Conductors

WAGO spring clamp terminal blocks are suitable for solid aluminum conductors up to 4 mm<sup>2</sup>/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.

Using terminal blocks with PUSH WIRE® Spring Pressure Connection Technology, **aluminum conductors must first be cleaned with a blade** and then immediately be inserted into the clamping units 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> (14 AWG) = 16 A

4 mm<sup>2</sup> (12 AWG) = 22 A

**Safety information 1:**

In grounded power lines

## Data

### Electrical data

#### Ratings per IEC/EN 60664-1

Rated voltage (II / 2)	400 V
Rated impulse voltage (II / 2)	4 kV
Rated current	24 A

### Connection data

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

### Material Data

Color	transparent
Cover color	orange
Flammability class per UL94	V2
Fire load	0.057 MJ
Weight	2.677 g

### Environmental Requirements


Surrounding air (operating) temperature	60 °C
---	-------

## Commercial data


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

## Approvals / Certificates

### Country specific Approvals

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

### UL-Approvals


Logo	Approval	Additional Approval Text	Certificate name
	<b>UL</b> UL International Germany GmbH	UL 486C	E69654

## Compatible products

### General accessories

	<b>Item no.: 249-130</b> Syringe; Contents: 20 ml Alu-Plus contact paste	249-130
--	---	---------

### Mounting adapter

	<b>Item no.: 773-332</b> 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	773-332
--	--	---------

Subject to changes.