

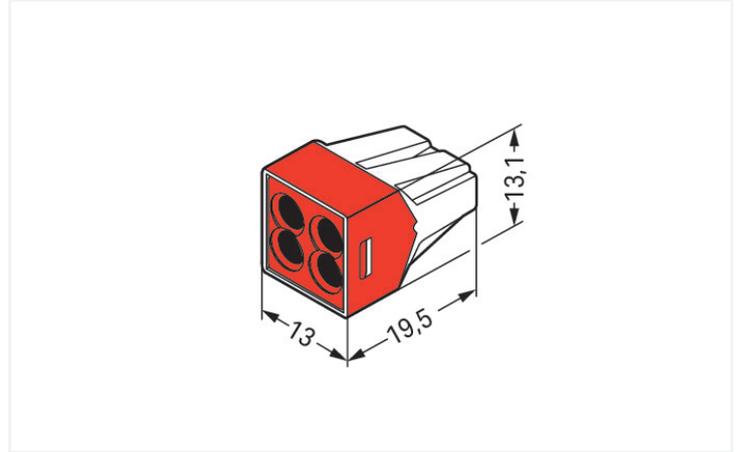
Data Sheet | Item Number: 773-604

PUSH WIRE® splicing connector; for solid conductors; max. 4 mm²; 4-conductor;
Brown clear housing; red cover; Surrounding air temperature: max 60°C; 2,50 mm²;
multicoloured

<https://www.wago.com/773-604>



Color: multi-colored



Dimensions in mm

Push wire® splicing connector, 773 Series, multi-colored

Our push wire® splicing connector (item number 773-604) ensures effortless 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 used in private or commercial applications, this series of PUSH WIRE® connectors for junction boxes ensures simple and time-saving installations. Strip lengths must be 12 mm when connecting conductors to push wire® splicing connector. Rated current and voltage are key factors to consider when selecting a splicing connector, as they indicate how the product can be used. This product has a rated voltage of 400 V and a rated current of 32 A, making it suitable for high-load applications. Featuring conductor terminals along with PUSH WIRE®, this product is highly versatile. Our PUSH WIRE® connection offers a quick and simple method for connecting solid conductors. The dimensions are (13 x 13.1 x 19.5) mm (width x height x depth). Depending on the conductor type, push wire® splicing connector is ideal for conductor cross sections ranging from 1.5 mm² to 4 mm².

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!

To be sold only with installation instructions!

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	-	-	32 A

General information

Wiring direction	Side-entry wiring
------------------	-------------------

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 ² /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 mm² = 16 A
4 mm² = 22 A

Solid conductor	1.5 ... 4 mm ² / 20 ... 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)	Information on material specifications can be found here
Color	multi-colored
Cover color	red
Flammability class per UL94	V2
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact Plating	Tin
Fire load	0.054 MJ
Weight	2.4 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	CN
GTIN	4055143243681
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
------------------------	-------------------------

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
UL UL International Germany GmbH	EN 60998	D-03479-A1

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	23-2417173-PDA

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product
Compliance 773-604



Documentation

Bid Text

773-604	17.05.2017	doc 25.00 KB	
773-604	19.02.2019	xml 3.28 KB	
ausschreiben.de 773-604			

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 mm² / 4 mm² / 6 mm²; for DIN-35 rail mounting / screw mounting; orange

1.1.2 Tool

1.1.2.1 "Alu-Plus" contact paste

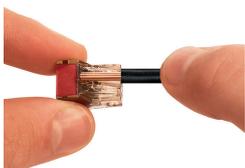


Item No.: 249-130

Syringe; Contents: 20 ml Alu-Plus contact paste

Installation Notes

Conductor termination



Strip a solid conductor to 12 mm (0.47 inch).



Termination: Insert the stripped solid conductor until it hits the backstop.



Removal: Hold conductor to be removed and twist alternately left and right while pulling the connector.

Testing



Testing via test port opposite to conductor entry.