

## Data Sheet | Item Number: 2773-2401/995-020

PUSH WIRE® Inline Splicing Connector; for solid and stranded conductors; max. 4 mm<sup>2</sup>; 2-conductor; transparent housing; Transparent cover; Surrounding air temperature: max 85°C (T85); 4,00 mm<sup>2</sup>; transparent

<https://www.wago.com/2773-2401/995-020>



Color:  transparent

Push wire® inline splicing connector, 2773 Series, PUSH WIRE®

Push wire® inline splicing connector (item number 2773-2401/995-020) simplifies electrical installations. 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. Ensure that the strip lengths are between 10 and 11 mm when connecting conductors to push wire® inline splicing connector. Our splicing connector is rated for 450 V and is designed to handle a rated current of up to 32 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. Dimensions: (6.15 x 6.8 x 29.5) mm (width x height x depth). Depending on the conductor type, push wire® inline splicing connector is suitable for conductor cross sections ranging from 0.75 mm<sup>2</sup> to 4 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!

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

## Electrical data

Ratings per EN 60664				Approvals per UL 486C			
Overvoltage category	III	III	II	Use group	B	C	D
Pollution degree	3	2	2	Rated voltage	-	600 V	-
Nominal voltage	-	-	450 V	Rated current	-	20 A	-
Rated impulse withstand voltage	-	-	4 kV				
Rated current	-	-	32 A				

## General information

Wiring direction	Side-entry wiring
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## Connection Data

Clamping units	2	<b>Connection 1</b>	
Total number of potentials	1	Connection technology	PUSH WIRE®
		Actuation type	Push-in
		Solid conductor	0.75 ... 4 mm <sup>2</sup> / 18 ... 12 AWG
		Stranded conductor	1.5 ... 4 mm <sup>2</sup>
		Fine-stranded conductor; with insulated ferrule	0.75 ... 1.5 mm <sup>2</sup> / 18 ... 16 AWG
		Fine-stranded conductor; with uninsulated ferrule	1 ... 1.5 mm <sup>2</sup> / 16 AWG
		Conductor diameter	1.6 ... 2 mm / 18 ... 12 AWG
		Strip length	10 ... 11 mm / 0.39 ... 0.43 inches
		Wiring direction	Side-entry wiring

## Physical data

Width	6.15 mm / 0.242 inches
Height	6.8 mm / 0.268 inches
Depth	29.5 mm / 1.161 inches

## Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	transparent
Cover color	transparent
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	0.038 MJ
Weight of insulation material	0.8 g
Weight	1.5 g

Environmental requirements	
Ambient temperature (operation)	+85 °C
Processing temperature	-35 ... +60 °C
Continuous operating temperature	105 °C

Commercial data	
PU (SPU)	360 (20) pcs
Packaging type	Blister foil
Country of origin	DE
GTIN	4066966349115
Customs tariff number	85369010000

Product Classification	
UNSPSC	39121409
ETIM 9.0	EC000446
ETIM 10.0	EC000446
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

## Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 2773-2401/995-020	

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 General accessories

##### 1.1.1.1 Cable repair



**Item No.: 207-5485/316-000**  
 cable repair set; for multicore cables;  
 Straight-through; with glue; Cable diame-  
 ter 8 - 24 mm; with enclosed splicing  
 connectors; medium-walled; black

## Installation Notes

### Conductor termination



Strip conductor to 10 mm.



Insert the conductor.



Check for the correct conductor position.

### Conductor removal



Twist the connector alternately left and right while pulling it off the conductor.

### Application



Wiring conductors in a flush-mounted junction box.



Extending short wires.



Use with a shrink tube



Use of the inline splicing connector (for plugging in with a shrink tube) in the cable repair set 207-5485/316-000.

### Application



Damaged cable



Strip the damaged cable approx. 10 cm uniformly around the damaged area.



Cut out the damaged areas in the copper and disconnect all other conductors. For damaged areas between 1 mm and 30 mm, at least 30 mm of the damaged conductor must be removed. Tip: A connector (approx. 30 mm long) can be used as a length guide.



Strip conductor and conductor bridge to 10 mm specified and insert into connector. Only one connector is required for damage points < 1 mm or conductors with a flat cut. Two connectors with wire jumpers must be used for damage points > 1 mm.



Strip 10 mm conductor per specification and insert connector (example shows staggered connectors).



Pull the shrink tube over the cable end.



The shrink tube must have an overlap length of at least 30 mm on the cable sheath.



Heat the shrink tube evenly with a hot air blower between 110°C and 200°C.

## Application



The shrinking process is only completed when the shrink tube is tightly connected to the cable and the adhesive has visibly melted (see photo).



**The 243 Series can be used in both communication and alarm systems according to the VdS (German Association of Property Insurers) guidelines.**

No general approval is given to PUSH WIRE® connectors by the VdS association. The connectors must be tested together with the different parts of the system. The requirements for connectors are specified in the VdS guidelines for junction boxes (VdS 2116) in section 8.7: "The junction box connectors must be designed to guarantee a reliable and stable connection."

The verification of the fulfillment of these requirements is documented in the VDE test report No. 2574-1440-4031 for the insulated 243 Series PUSH WIRE® Connectors.