

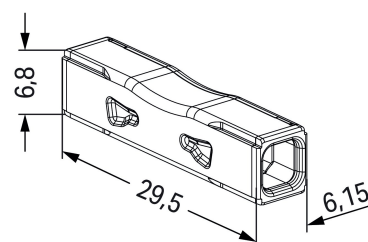
Data Sheet | Item Number: 2773-2401

PUSH WIRE® Inline Splicing Connector; for solid and stranded conductors; max. 4 mm²; 2-conductor; transparent housing; Transparent cover; Surrounding air temperature: max 85°C (T85); 4,00 mm²; transparent

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



Color: ☐ transparent





Notes

Safety management note

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!
- Only reusable with solid conductors!

To be sold only with installation instructions!

Electrical data				
Ratings per		EN 60664		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	-	-	450 V	
Rated surge voltage	-	-	4 kV	
Rated current	-	-	32 A	

Approvals per		UL 486C		
Use group	B	C	D	
Rated voltage	-	600 V	-	
Rated current	-	20 A	-	

Connection data		
Clamping units	2	
Total number of potentials	1	

Connection 1	
Connection technology	PUSH WIRE®
Actuation type	Push-in
Solid conductor	0.75 ... 4 mm² / 18 ... 12 AWG
Stranded conductor	1.5 ... 4 mm²
Fine-stranded conductor; with insulated ferrule	0.75 ... 1.5 mm² / 18 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	1 ... 1.5 mm² / 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)	Information on material specifications can be found here
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 _{Cu})
Contact Plating	Tin
Fire load	0.038 MJ

Material data	
Weight of insulation material	0.8 g
Weight	1.4 g

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

Commercial data	
ETIM 9.0	EC000446
ETIM 8.0	EC000446
PU (SPU)	1000 (100) pcs
Packaging type	Box
Country of origin	CH
GTIN	4066966321630
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Installation Notes

Conductor termination



Strip conductor to 10 mm.

Insert the conductor.

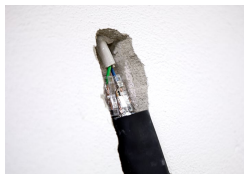
Check for the correct conductor position.

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

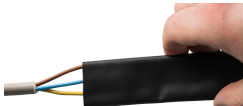


Damaged cable

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.



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