

Data Sheet | Item Number: 2773-2401

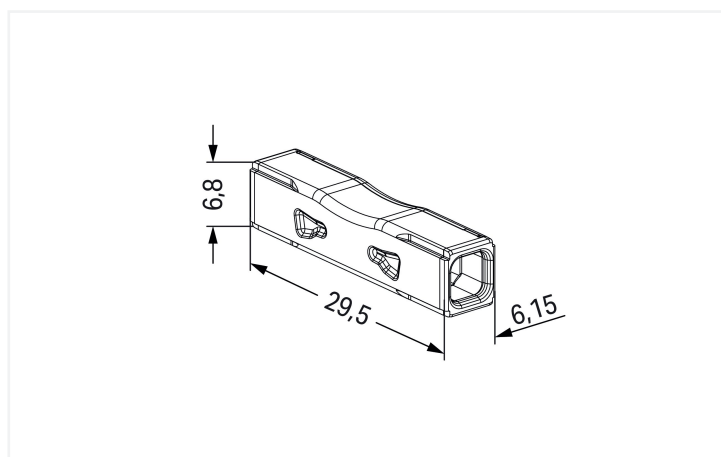
PUSH WIRE® Inline Splicing Connector; for solid and stranded conductors; max. 4 mm²; 2-conductor; transparent housing; Transparent cover; Surrounding air temperature: max 85°C (T85); 4,00 mm²; transparent



<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			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 surge voltage	-	-	4 kV						
Rated current	-	-	32 A						

Connection data

Clamping units	2	Connection 1	
Total number of potentials	1	Connection technology	PUSH WIRE®
		Actuation type	Push-in
		Solid conductor	0.75 ... 4 mm ² / 18 ... 12 AWG
		Stranded conductor	1.5 ... 4 mm ²
		Fine-stranded conductor; with insulated ferrule	0.75 ... 1.5 mm ² / 18 ... 16 AWG
		Fine-stranded conductor; with uninsulated ferrule	1 ... 1.5 mm ² / 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
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Approvals / Certificates

General approvals **Declarations of conformity and manufacturer's declarations**



Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 60998	NL-86543
cULus_Listed_667F Underwriters Laboratories Inc.	UL 486C	E69654
ENEC 05 DEKRA Certification B.V.	EN 60998	71-127515

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 2773-2401

CAD/CAE-Data

CAD data

2D/3D Models
2773-2401



1 Compatible Products

1.1 Optional Accessories

1.1.1 General accessories

1.1.1.1 Installation terminal block



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

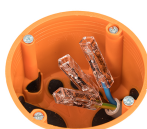


Twist the connector alternately left and
right while pulling it off the conductor.

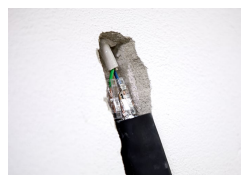
Application



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

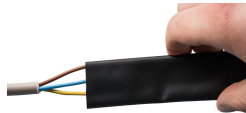


Damaged cable

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.



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