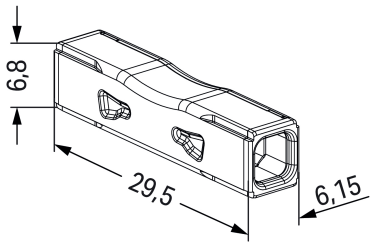
Data Sheet | Item Number: 2773-2401

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



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

Our push wire® inline splicing connector (item number 2773-2401) is designed for seamless electrical installations. The 2773 Series PUSH WIRE® connectors for junction boxes provide safe, quick, and easy installations in any building, regardless of the complexity. Rated current and voltage are important parameters when choosing a splicing connector, as they determine the product's suitability for different applications. This product has a rated voltage of 450 V and a rated current of 32 A, making it suitable for high-load applications. Conductors should only be connected to push wire® inline splicing connector if their strip length is between 10 mm and 11 mm. This product incorporates conductor terminals and utilizes PUSH WIRE®. Our reliable PUSH WIRE® connection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. The item's dimensions are 6.15 x 6.8 x 29.5 mm (width x height x depth). Push wire® inline splicing connector is suitable for conductor cross sections ranging from 0.75 mm² to 4 mm². The contact surface is coated with tin.

Notes

General safety instructions	**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

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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

PU (SPU)	1000 (100) pcs
Packaging type	Box
Country of origin	CH
GTIN	4066966321630
Customs tariff number	85369010000

Product classification

UNSPSC	39121409
ETIM 9.0	EC000446
ETIM 8.0	EC000446
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 60998	NL-86543
cULus_Listed_667F Underwriters Laboratories Inc.	UL 486C	UL-US-L69654-11-31308102-4
ENEC 05 DEKRA Certification B.V.	EN 60998	71-127515

Declarations of conformity and manufacturer's declarations

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

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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

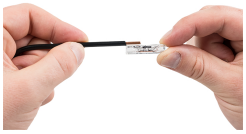
1.1.1 General accessories

1.1.1.1 Cable repair

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

Installation Notes

Conductor termination



Strip conductor to 10 mm.

Insert the conductor.

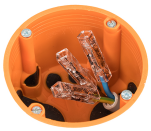
Check for the correct conductor position.

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

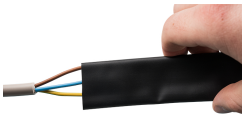
Damaged cable

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).