

Data Sheet | Item Number: 2273-202/995-040

PUSH WIRE® splicing connector; for solid conductors; max. 2.5 mm²; 2-conductor;
transparent housing; white cover; Surrounding air temperature: max 60°C (T60);
2,50 mm²; transparent

<https://www.wago.com/2273-202/995-040>



Color: ☐ transparent

Push wire® splicing connector, 2273 Series, transparent

Our push wire® splicing connector (item number 2273-202/995-040) ensures effortless electrical installations. Quickly and securely connect conductors in any building installation with WAGO's 2273 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. Conductors should only be connected to push wire® splicing connector if their strip length is 11 mm . Our splicing connector is rated for 450 V and is designed for use with a rated current of up to 24 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 offers a simple and reliable solution for connecting solid conductors. The dimensions are (10 x 5.8 x 16.7) mm (width x height x depth). Depending on the type of conductor, push wire® splicing connector is designed for conductor cross sections ranging from 0.5 mm² to 2.5 mm².

The contact surface is coated with tin.

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! in grounded power lines
Safety Information	



Electrical data						
Ratings per		IEC/EN 60998			Approvals per	
		UL 486C				
Overvoltage category	III	III	II		Use group	B C D
Pollution degree	3	2	2		Rated voltage	- - -
Nominal voltage	-	-	450 V			
Rated impulse withstand voltage	-	-	4 kV			
Rated current	-	-	24 A			

General information	
Wiring direction	Side-entry wiring

Connection Data	
Clamping units	2
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 WAGO Spring-Clamp Terminal Blocks are suitable for solid aluminum conductors up to 4 mm²/12 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	0.5 ... 2.5 mm² / 20 ... 16 AWG
Strip length	11 mm / 0.43 inches
Wiring direction	Side-entry wiring



Physical data		
Width	10 mm / 0.394 inches	
Height	5.8 mm / 0.228 inches	
Depth	16.7 mm / 0.657 inches	

Material data		
Note (material data)	Information on material specifications can be found here	
Color	transparent	
Cover color	white	
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	0.02 MJ	
Weight	0.7 g	

Environmental requirements		
Ambient temperature (operation)	+60 °C	
Continuous operating temperature	105 °C	
Temperature marking per EN 60998	T60	

Commercial data		
PU (SPU)	720 (40) pcs	
Packaging type	Blister foil	
Country of origin	DE	
GTIN	4066966001914	
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 2273-202/995-040	

1 Compatible Products
1.1 Optional Accessories
1.1.1 General accessories
1.1.1.1 Moisture protection



Item No.: [207-1331](#)

Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 1; gray



Item No.: [207-1332](#)

Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 2; gray



Item No.: [207-1333](#)

Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 3; gray

1.1.2 Mounting adapter
1.1.2.1 Mounting accessories



Item No.: [2273-500](#)

Mounting carrier; for single- and double-row con.; 2273 Series; for DIN-35 rail mounting/screw mounting; orange

1.1.3 Tool
1.1.3.1 "Alu-Plus" contact paste

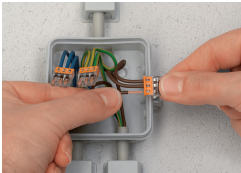


Item No.: [249-130](#)

Syringe; Contents: 20 ml Alu-Plus contact paste

Installation Notes

Conductor termination



Strip solid conductor to 11 mm/0.43 inch (see marking).

The transparent housing shows if conductors are fully inserted; within the colored base, a clear port shows if the conductor's strip length is correct. Conductors are correctly stripped if the clear port shows no bare conductor on the unprinted connector side. Picture shows center conductor with exceeded strip length.

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.

Commoning



Commoned connector strips

Testing



Testing via test port opposite to conductor entry.



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.