

Data Sheet | Item Number: 2273-203/995-030

PUSH WIRE® splicing connector; for solid conductors; max. 2.5 mm²; 3-conductor;
transparent housing; orange cover; Surrounding air temperature: max 60°C (T60);
2,50 mm²; transparent

<https://www.wago.com/2273-203/995-030>



Color: ☐ transparent

Push wire® splicing connector, 2273 Series, transparent

Convenient electrical installations are guaranteed with push wire® splicing connector (item number 2273-203/995-030). 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. Strip lengths must be 11 mm when connecting conductors to push wire® splicing connector. Rated current and voltage are important parameters when selecting a splicing connector, as they indicate possible applications and uses. This product has a rated voltage of 450 V and a rated current of 24 A, making it suitable for high-load applications. Featuring conductor terminals along with PUSH WIRE®, this connector delivers reliable performance. Our PUSH WIRE® connection offers a simple and reliable method for connecting solid conductors. The dimensions are (14 x 5.8 x 16.7) mm (width x height x depth). Depending on the conductor type, push wire® splicing connector is suitable 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
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	3
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		14 mm / 0.551 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		orange
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		0.016 MJ
Weight		1 g

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

Commercial data		
PU (SPU)		540 (30) pcs
Packaging type		Blister foil
Country of origin		DE
GTIN		4066966001631
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 2273-203/995-030	

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



Item No.: 207-1332
Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 2; 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

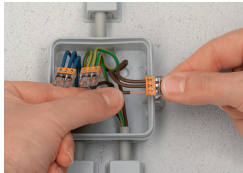


Item No.: 249-130
Syringe; Contents: 20 ml Alu-Plus contact paste

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.