

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

Advantages:

- Convenient wiring via extremely compact design
- Push-in termination of up to eight solid conductors
- Cross-section range: 0.5 ... 2.5 mm²
- Any combination of conductor sizes is possible
- PUSH WIRE® connection terminates solid ("s") copper conductors

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!

To be sold only with installation instructions!

Safety Information

in grounded power lines

Electrical data

Ratings per	IEC/EN 60998		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	450 V
Rated surge voltage	-	-	4 kV
Rated current	-	-	24 A

Approvals per	UL 486C		
Use group	B	C	D
Rated voltage	-	-	-



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 clamp 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	0.019 MJ	
Weight	1 g	



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

Commercial data		
ETIM 9.0		EC000446
ETIM 8.0		EC000446
PU (SPU)		540 (30) pcs
Packaging type		Blister foil
Country of origin		DE
GTIN		4066966001631
Customs tariff number		85369010000

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

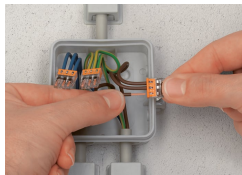
1.1.3.1 "Alu-Plus" contact paste



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.