

## Data Sheet | Item Number: 2273-205/995-020

PUSH WIRE® splicing connector; for solid conductors; max. 2.5 mm<sup>2</sup>; 5-conductor;  
transparent housing; yellow cover; Surrounding air temperature: max 60°C (T60);  
2,50 mm<sup>2</sup>; transparent

<https://www.wago.com/2273-205/995-020>



Color:  transparent

### Vorteile:

- Komfortables Verdrahten durch kleinstmögliche Bauform
- Bis zu 8 eindrätige Leiter steckbar
- Querschnittsbereich: 0,5 ... 2,5 mm<sup>2</sup>
- Querschnitte individuell mischbar
- Klemmen eindrätiger Kupferleiter („e“) mittels Steckklemmanschluss

### Notes

Sicherheitshandhabungshinweis

**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		
Overtoltage 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

Connection points	5
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 mm<sup>2</sup>/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 mm<sup>2</sup> = 16 A  
4 mm<sup>2</sup> = 22 A

Solid conductor	0.5 ... 2.5 mm <sup>2</sup> / 20 ... 16 AWG
Strip length	11 mm / 0.43 inches
Wiring direction	Side-entry wiring

## Physical data

Width	22 mm / 0.866 inches
Height	5.8 mm / 0.228 inches
Depth	16.7 mm / 0.657 inches

## Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	transparent
Cover color	yellow
Flammability class per UL94	V2
Fire load	0.039 MJ
Weight	1.6 g

### Environmental requirements

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

### Commercial data

PU (SPU)	360 (20) pcs
Country of origin	DE
GTIN	4066966001808
Customs tariff number	85369010000

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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### Downloads

#### Environmental Product Compliance

##### Compliance Search

Environmental Product  
Compliance  
2273-205/995-020



### 1 Compatible Products

#### 1.1 Optional Accessories

##### 1.1.1 Mounting adapter

###### 1.1.1.1 Mounting accessories



##### Item No.: 2273-500

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

#### 1.1.2 Tool

##### 1.1.2.1 "Alu-Plus" contact paste

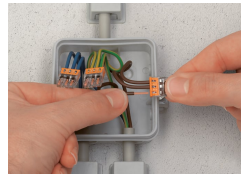


##### Item No.: 249-130

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.