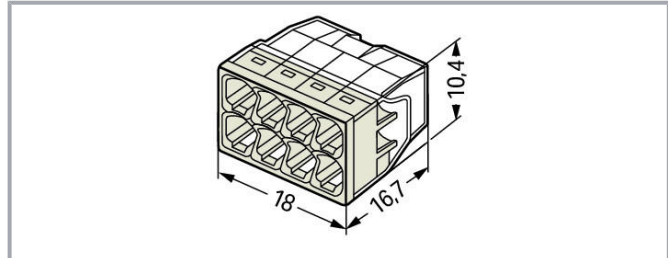


Data sheet | Item number: 2273-248 **NEW**

COMPACT splicing connector; for solid conductors; Alu-Plus contact paste;  
max. 2.5 mm<sup>2</sup>; 8-conductor; transparent housing; light gray cover;  
Surrounding air temperature: max 60°C (T60); 2,50 mm<sup>2</sup>



[www.wago.com/2273-248](http://www.wago.com/2273-248)



Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



## Item description

### Advantages:

- Convenient wiring via extremely compact design
- Push-in termination of up to eight solid conductors
- Cross section range: 0.5 ... 2.5 mm<sup>2</sup> (18 ... 14 AWG)
- Any combination of conductor sizes is possible
- PUSH WIRE<sup>®</sup> connection terminates solid ("s") copper conductors

Subject to changes. Please also observe the further product documentation!



## Data Notes

Safety information 1 in grounded power lines

## Electrical data

### Ratings per IEC/EN

Ratings per	IEC/EN 60998
Nominal voltage (II/2)	450 V
Rated surge voltage (II/2)	4 kV
Rated current	24 A
Legend (ratings)	(II / 2) $\triangleq$ Overvoltage category II / Pollution degree 2

### Connection data

Total number of connection points	8
Total number of potentials	1

### Connection 1

Connection technology	PUSH WIRE <sup>®</sup>
Actuation type	Push-in
Connectable conductor materials	Copper Aluminum
Note on connectable conductor materials	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 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.

Subject to changes. Please also observe the further product documentation!



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 inch
Wiring direction	Side-entry wiring

### Physical data

Width	18 mm / 0.709 inch
Height	10.4 mm / 0.409 inch
Depth	16.7 mm / 0.657 inch

### Material data

Note on material data	Information on material data can be found here
Color	transparent
Cover color	light gray
Flammability class per UL94	V2
Fire load	0.039 MJ
Weight	2.5 g

### Environmental requirements

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

### Commercial data


Product Group	7 (Push Wire Conn.)
PU (SPU)	500 (50) Pieces

Subject to changes. Please also observe the further product documentation!


Country of origin	DE
GTIN	4050821032021
Customs tariff number	85369010000

## Approvals / Certificates

### Country specific Approvals


Logo	Approval	Additional Approval Text	Certificate name
	<b>VDE</b> VDE Prüf- und Zertifizierungsinstitut	EN 60998	40029794

### Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	-	15- HG1419918- PDA
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	EN 60998	TAE000015T

## Optional accessories

### Mounting adapter

Mounting accessories		
	<b>Item no.: 2273-500</b> Mounting carrier; for single- and double-row con.; 2273 Series; for DIN-35 rail mounting/screw mounting; orange	<a href="http://www.wago.com/2273-500">www.wago.com/2273-500</a>

## Downloads

### Documentation

#### Additional Information

Technical Section	pdf	Download
Technical explanations	2.2 MB	

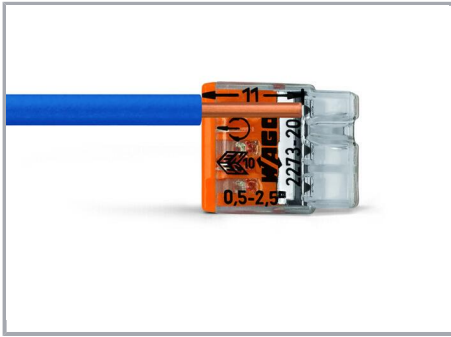
## Installation Notes

### Conductor termination

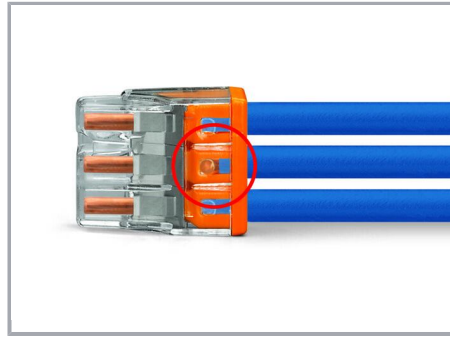
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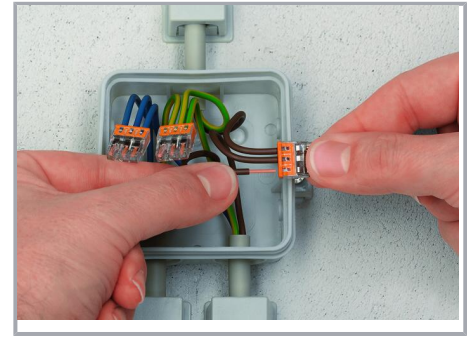


Strip solid conductor to 11 mm/0.43 inch (see marking).

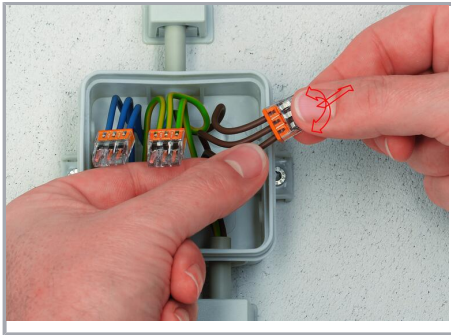


The transparent housing shows if conductors are fully inserted; within the colored base, a clear port shows if the conductor's strip length is correct.

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.



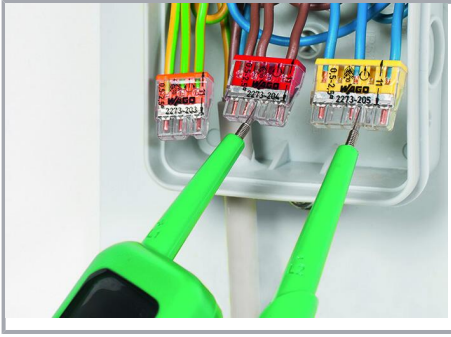
Termination: Insert the stripped solid conductor until it hits the backstop.



Removal: Hold conductor to be removed and twist alternately left and right while pulling the connector.

### Testing

Subject to changes. Please also observe the further product documentation!



Testing via test port opposite to conductor entry.

Subject to changes. Please also observe the further product documentation!