

**Data sheet | Item number: 2273-202**

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

[www.wago.com/2273-202](http://www.wago.com/2273-202)



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

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

## 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) ≙ Overvoltage category II / Pollution degree 2 |

### Ratings per UL

|               |         |
|---------------|---------|
| Approvals per | UL 486C |
|---------------|---------|

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|                       |       |
|-----------------------|-------|
| Bemessungsspannung UL | 600 V |
| Bemessungsstrom UL    | 20 A  |

### Connection data

|                                   |   |
|-----------------------------------|---|
| Total number of connection points | 2 |
| Total number of potentials        | 1 |

### Connection 1

|                                 |                    |
|---------------------------------|--------------------|
| Connection technology           | PUSH WIRE®         |
| Actuation type                  | Push-in            |
| Connectable conductor materials | Copper<br>Aluminum |

Anschließbare Leiterwerkstoffe Hinweis  
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.

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                           |

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

## Physical data

|        |                      |
|--------|----------------------|
| Width  | 10 mm / 0.394 inch   |
| Height | 5.8 mm / 0.228 inch  |
| Depth  | 16.7 mm / 0.657 inch |

## Material data

|                             |             |
|-----------------------------|-------------|
| Color                       | transparent |
| Cover color                 | white       |
| Flammability class per UL94 | V2          |
| Fire load                   | 0.022 MJ    |
| Weight                      | 0.7 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)              | 1000 (100) Stück    |
| Packaging type        | box                 |
| Country of origin     | DE                  |
| GTIN                  | 4050821027843       |
| Customs tariff number | 85369010000         |

## Approvals / Certificates

### Country specific Approvals

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

### Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
|      | ABS      | -                        | 15-              |

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



American Bureau of Shipping


HG1419918-PDA

|   |          |            |
|---|----------|------------|
| <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | EN 60998 | TAE000015T |
|---|----------|------------|



|                              |          |               |
|------------------------------|----------|---------------|
| <b>LR</b><br>Lloyds Register | EN 60998 | 04/20013 (E8) |
|------------------------------|----------|---------------|

### UL-Approvals

| Logo   | Approval  | Additional Approval Text | Certificate name |
|--|---|--------------------------|------------------|
|  | cULus_Listed_667F<br>Underwriters Laboratories Inc. | UL 486C                  | E69654           |

### Optional accessories

#### Mounting adapter

Mounting accessories

**Item no.: 2273-500**

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

[www.wago.com/2273-500](http://www.wago.com/2273-500)

### Downloads

#### Documentation

##### Bid Text

|                         |             |               |          |
|-------------------------|-------------|---------------|----------|
| 2273-202<br>X81 - Datei | 2019 Feb 19 | xml<br>3.2 kB | Download |
|-------------------------|-------------|---------------|----------|

|                         |             |                |          |
|-------------------------|-------------|----------------|----------|
| 2273-202<br>doc - Datei | 2017 May 17 | doc<br>25.1 kB | Download |
|-------------------------|-------------|----------------|----------|

##### Additional Information

|                        |            |               |          |
|------------------------|------------|---------------|----------|
| Technical explanations | 2019 Apr 3 | pdf<br>2.2 MB | Download |
|------------------------|------------|---------------|----------|

### CAD/CAE-Data

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

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### CAD data

|                       |                     |                          |
|-----------------------|---------------------|--------------------------|
| 2D/3D Models 2273-202 | <a href="#">URL</a> | <a href="#">Download</a> |
|-----------------------|---------------------|--------------------------|

### CAE data

|                            |                     |                          |
|----------------------------|---------------------|--------------------------|
| EPLAN Data Portal 2273-202 | <a href="#">URL</a> | <a href="#">Download</a> |
|----------------------------|---------------------|--------------------------|

|                         |                     |                          |
|-------------------------|---------------------|--------------------------|
| WSCAD Universe 2273-202 | <a href="#">URL</a> | <a href="#">Download</a> |
|-------------------------|---------------------|--------------------------|

|                       |                     |                          |
|-----------------------|---------------------|--------------------------|
| ZUKEN Portal 2273-202 | <a href="#">URL</a> | <a href="#">Download</a> |
|-----------------------|---------------------|--------------------------|

## Environmental Product Compliance

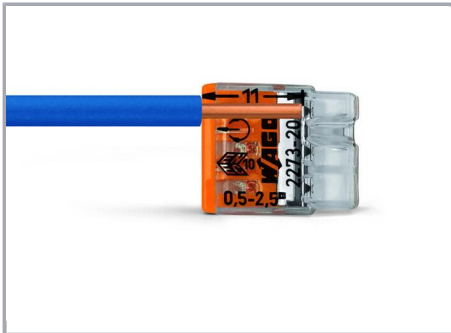
### Compliance Search

|   |                     |                          |
|---|---------------------|--------------------------|
| Environmental Product Compliance 2273-202 | <a href="#">URL</a> | <a href="#">Download</a> |
|---|---------------------|--------------------------|

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

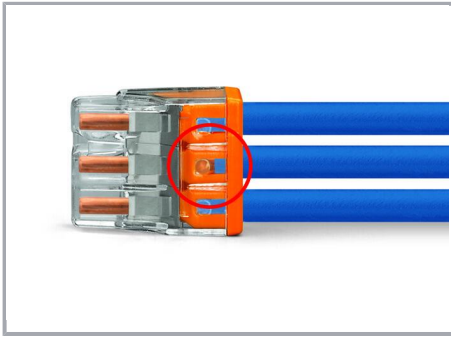
## Installation Notes

### Conductor termination



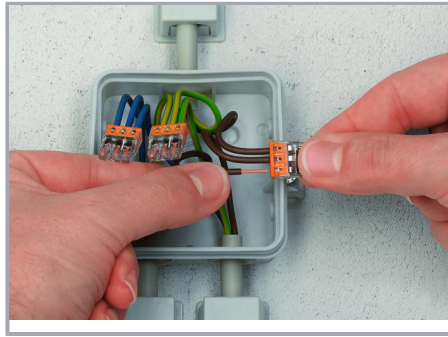
Strip solid conductor to 11 mm/0.43 inch (see marking).

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

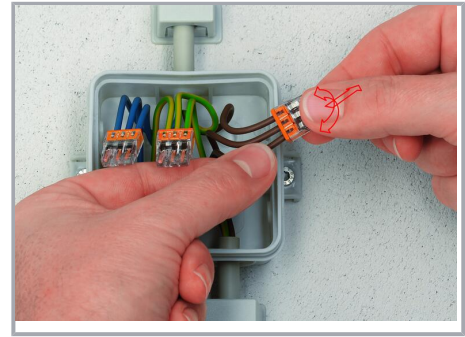


The transparent housing shows if conductors are fully inserted; within the colored base, a clear port shows if the conductor's strip length is correct.

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.

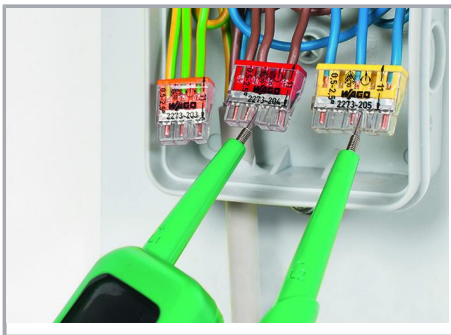


Termination: Insert the stripped solid conductor until it hits the backstop.



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.

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