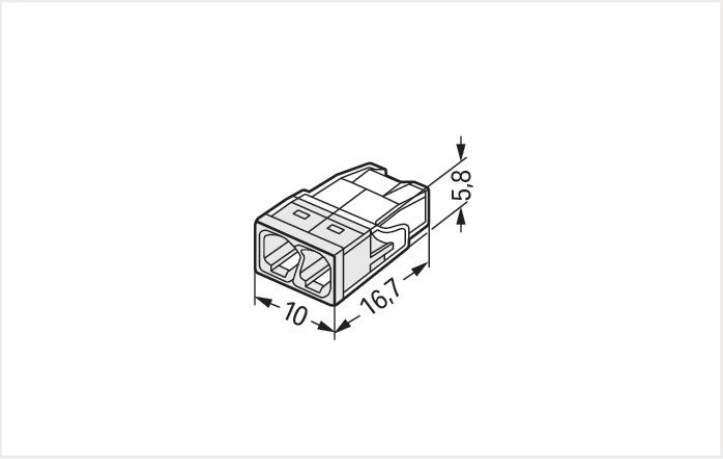
# Data sheet | Item number: 2273-202

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






Dimensions in mm

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 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 |
| Rated voltage (UL) | 600 V |
| Rated current 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 |

## Connection 1

| | |
|---|---|
| Connectable conductor materials (note) | **Terminating Aluminum Conductors**<br>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.<br><br>"Alu-Plus" Contact Paste Advantages:<br><br>• Automatically destroys the oxide film during clamping.<br>• Prevents fresh oxidation at the clamping point.<br>• Prevents electrolytic corrosion between aluminum and copper conductors (in the same terminal block).<br>• Provides long-term protection against corrosion.<br><br>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.<br><br>It is also possible to apply WAGO "Alu-Plus" **additionally** on the whole surface of the aluminum conductor before termination.<br><br>Please note that the nominal currents must be adapted to the reduced conductivity of the aluminum conductors::<br>2.5 mm² = 16 A<br>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 | 10 mm / 0.394 inches |
| Height | 5.8 mm / 0.228 inches |
| Depth | 16.7 mm / 0.657 inches |

## Material data

| | |
|---|---|
| Note (material data) | Information on material data can be found here |
| Color | transparent |
| Cover color | white |
| Flammability class per UL94 | V2 |
| Fire load | 0.022 MJ |
| Weight | 0.7 g |

## Environmental requirements

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


Continued on next page

## Commercial data

| | |
|---|---|
| Product Group | 7 (Push Wire Conn.) |
| eCl@ss 10.0 | 27-14-11-04 |
| eCl@ss 9.0 | 27-14-11-04 |
| ETIM 8.0 | EC000446 |
| ETIM 7.0 | EC000446 |
| PU (SPU) | 1000 (100) Stück |
| Packaging type | Box |
| Country of origin VKOrg Germany | DE |
| GTIN | 4050821027843 |
| Customs tariff number VKOrg Germany | 85369010000 |

## Approvals and certificates

### Country specific Approvals

| Approval | Standard | Certificate name |
|---|---|---|
| VDE<br>VDE Prüf- und Zertifizierungsinstitut | EN 60998 | 40029794 |

### Ship Approvals

| Approval | Standard | Certificate name |
|---|---|---|
| ABS<br>American Bureau of Shipping | - | 15-HG1419918-PDA |
| DNV GL<br>Det Norske Veritas, Germanischer Lloyd | EN 60998 | TAE000015T |
| LR<br>Lloyds Register | EN 60998 | 04/20013 (E8) |

### UL-Approvals

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

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance 2273-202

## Documentation

### Additional Information

| | | |
|---|---|---|
| Technical Section | pdf<br>2142.18 KB | |

### Bid Text

| | | |
|---|---|---|
| 2273-202 | 19.02.2019 | xml<br>3.17 KB |
| 2273-202 | 17.05.2017 | doc<br>24.50 KB |
| ausschreiben.de<br>2273-202 | | |

## CAD/CAE-Data

### CAD data

| |
|---|
| 2D/3D Models<br>2273-202 |

### CAE data

| |
|---|
| EPLAN Data Portal<br>2273-202 |
| WSCAD Universe<br>2273-202 |
| ZUKEN Portal<br>2273-202 |

## Installation notes

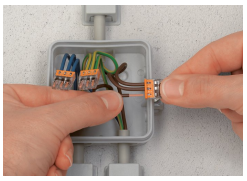
### Conductor termination



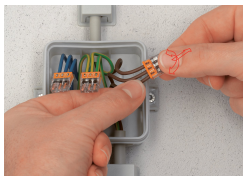
Strip solid conductor to 11 mm/0.43 inch (see marking).



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.