

## Data Sheet | Item Number: 2273-202

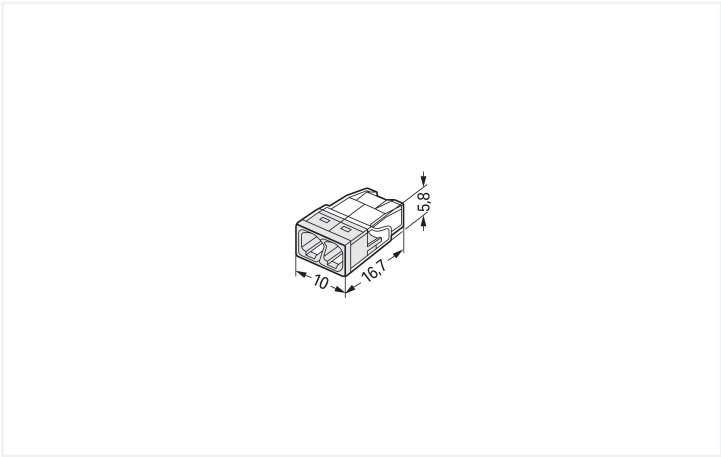
PUSH WIRE® splicing connector; for solid conductors; max. 2.5 mm<sup>2</sup>; 2-conductor; transparent housing; white cover; Surrounding air temperature: max 60°C (T60); 2,50 mm<sup>2</sup>; transparent

<https://www.wago.com/2273-202>



Color: ☐ transparent





Dimensions in mm

PUSH WIRE® splicing connector, 2273 Series, PUSH WIRE®

This PUSH WIRE® splicing connector (item number 2273-202) simplifies electrical installations. Quickly and securely connect conductors in any building installation with WAGO's 2273 Series PUSH WIRE® connectors for junction boxes—both surface and flush-mounted. Whether you intend to use them in private or commercial applications, this series of PUSH WIRE® connectors for junction boxes ensures simple and time-saving installations. Ensure that the strip lengths are 11 mm when connecting conductors to this PUSH WIRE® splicing connector. Our splicing connector is rated for 450 V and is designed for use with a rated current of up to 24 A. It is therefore suitable for high-load applications. Featuring conductor terminals along with PUSH WIRE®, this connector is highly versatile. Our PUSH WIRE® connection uses the stiffness of the conductor to overcome the clamping spring's contact force, allowing you to clamp the conductor in place more quickly and easily. The dimensions are (10 x 5.8 x 16.7) mm (width x height x depth). Depending on the conductor type, this PUSH WIRE® splicing connector is designed for conductor cross sections ranging from 0.5 mm² to 2.5 mm².

Fast and straightforward: the PUSH WIRE® connection

Tin is used for coating the contact surfaces.

- Compact sizes
- Actuation via push-in
- Safe and fast installation

Notes

General safety information

**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!**

in grounded power lines

| Electrical data                 |  |              |     |       |               |   |          |
|---------------------------------|--|--------------|-----|-------|---------------|---|----------|
| Ratings per                     |  | IEC/EN 60998 |     |       | Approvals per |   | UL 486C  |
| Overvoltage category            |  | III          | III | II    | Use group     | B | C      D |
| Pollution degree                |  | 3            | 2   | 2     | Rated voltage | - | -      - |
| Nominal voltage                 |  | -            | -   | 450 V | Rated current | - | -      - |
| Rated impulse withstand voltage |  | -            | -   | 4 kV  |               |   |          |
| Rated current                   |  | -            | -   | 24 A  |               |   |          |

| General information |                   |
|---------------------|-------------------|
| Wiring direction    | Side-entry wiring |

| Connection Data                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clamping units                         | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Total number of potentials             | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Connection 1</b>                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Connection technology                  | PUSH WIRE®                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Actuation type                         | Push-in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Connectable conductor materials        | Copper<br>Aluminum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Connectable conductor materials (note) | <p><b>Terminating Aluminum Conductors</b><br/>WAGO Spring-Clamp Terminal Blocks are suitable for solid aluminum conductors up to 4 mm²/12 AWG if WAGO Aluminum Contact Paste <a href="#">249-130</a> is used for termination.</p> <p>Aluminum Contact Paste Advantages:</p> <ul style="list-style-type: none"><li>• Automatically destroys the oxide film during clamping.</li><li>• Prevents fresh oxidation at the clamping point.</li><li>• Prevents electrolytic corrosion between aluminum and copper conductors (in the same terminal block).</li><li>• Provides long-term protection against corrosion.</li></ul> <p>For spring pressure connections with PUSH WIRE® connection technology, <b>WAGO recommends that the aluminum conductor first be cleaned</b> and then immediately inserted into the clamping unit filled with aluminum contact paste.</p> <p>It is also possible to apply WAGO Aluminum Contact Paste <b>additionally</b> on the whole surface of the aluminum conductor before termination.</p> <p>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</p> |
| 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)               |  | <a href="#">Information on material specifications can be found here</a> |
| Color                              |  | transparent                                                              |
| Cover color                        |  | white                                                                    |
| 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 <sub>Cu</sub> )                                   |
| Contact Plating                    |  | Tin                                                                      |
| 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    |

| Commercial data       |  |                     |
|-----------------------|--|---------------------|
| Product Group         |  | 7 (Push Wire Conn.) |
| PU (SPU)              |  | 1000 (100) pcs      |
| Packaging type        |  | Box                 |
| Country of origin     |  | DE                  |
| GTIN                  |  | 4050821027843       |
| Customs tariff number |  | 85369010000         |

| Product Classification |  |                      |
|------------------------|--|----------------------|
| UNSPSC                 |  | 39121409             |
| eCl@ss 10.0            |  | 27-14-11-04          |
| eCl@ss 9.0             |  | 27-14-11-04          |
| ETIM 9.0               |  | EC000446             |
| ETIM 10.0              |  | EC000446             |
| ECCN                   |  | NO US CLASSIFICATION |

| Environmental Product Compliance |  |                                                                                                                                                                                             |
|----------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product sustainability data      |  | <a internalname="Link Serie 2273" href="https://register.pep-ecopassport.org/pep/consult/mbesqrsCBZbWbKJq6-kj3rFxLkmXxrFbnb6ZK5rxxCI/mbesqrsCBZbWbKJq6-kj3lQmBuGvAH-sLufQU9idjOpk">Link</a> |
| RoHS Compliance Status           |  | Compliant, No Exemption                                                                                                                                                                     |

| Approvals / Certificates                                                                                                                                                                    |          |                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| General approvals                                                                                                                                                                           |          | Declarations of conformity and manufacturer's declarations                                                                                      |
| <div><div></div></div> |          |                                                                                                                                                 |
| Approval                                                                                                                                                                                    | Standard | Certificate Name                                                                                                                                |
| cULus_Listed_667F<br>Underwriters Laboratories Inc.                                                                                                                                         | UL 486C  | E69654                                                                                                                                          |
| VDE<br>VDE Prüf- und Zertifizierungsinstitut                                                                                                                                                | EN 60998 | 40029794                                                                                                                                        |
|                                                                                                                                                                                             |          | <div><div>EU-Declaration of Conformity<br/>WAGO GmbH &amp; Co. KG</div><div>UK-Declaration of Conformity<br/>WAGO GmbH &amp; Co. KG</div></div> |



Approvals for marine applications



| Approval                                | Standard | Certificate Name  |
|-----------------------------------------|----------|-------------------|
| ABS<br>American Bureau of Ship-<br>ping | -        | 23-2417173-PDA    |
| LR<br>Lloyds Register                   | EN 60998 | LR22207029TA      |
| PRS<br>Polski Rejestr Statków           | EN 60998 | TE/1093/880590/23 |

Downloads

Environmental Product Compliance

| Compliance Search                            |
|----------------------------------------------|
| Environmental Product<br>Compliance 2273-202 |



Documentation

| Bid Text                    |
|-----------------------------|
| ausschreiben.de<br>2273-202 |



CAD/CAE-Data

| CAD data              |
|-----------------------|
| 2D/3D Models 2273-202 |



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



1 Compatible Products

1.1 Optional Accessories

1.1.1 General accessories

1.1.1.1 Moisture protection



|                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Item No.: 207-1331</b><br>Gelbox; Branch; for cables; with gel; 221,<br>2x73 Series; max. 4 mm² connectors; with-<br>out splicing connectors; Size 1; gray |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|



|                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Item No.: 207-1332</b><br>Gelbox; Branch; for cables; with gel; 221,<br>2x73 Series; max. 4 mm² connectors; with-<br>out splicing connectors; Size 2; gray |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|



|                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Item No.: 207-1333</b><br>Gelbox; Branch; for cables; with gel; 221,<br>2x73 Series; max. 4 mm² connectors; with-<br>out splicing connectors; Size 3; 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

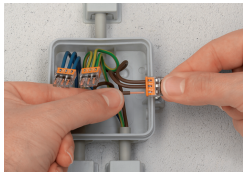
1.1.3.1 Aluminum contact paste



**Item No.: 249-130**  
Syringe; Contents: Aluminum Contact Paste, 20 ml

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.