

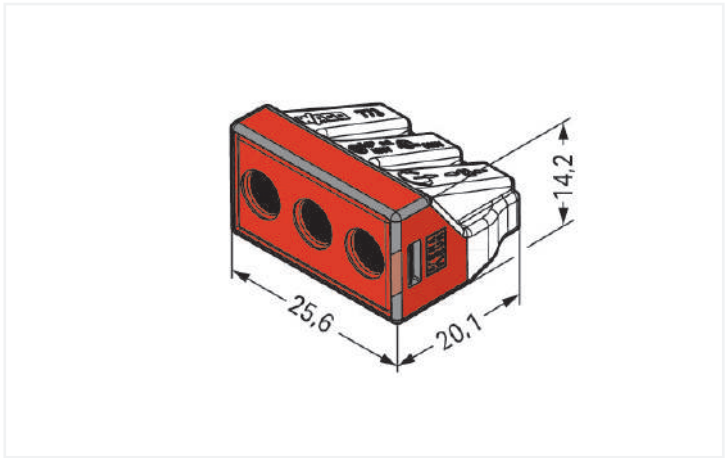
Data Sheet | Item Number: 773-173

PUSH WIRE® connector for junction boxes; for solid and stranded conductors; max. 6 mm²; 3-conductor; transparent housing; red cover; Surrounding air temperature: max 60°C; 6,00 mm²; transparent

<https://www.wago.com/773-173>



Color: ☐ transparent



Dimensions in mm

Push wire® splicing connector, 773 Series, transparent

Error-free electrical installations are guaranteed with push wire® splicing connector (item number 773-173). Quickly and securely connect conductors in any building installation with WAGO's 773 Series PUSH WIRE® connectors, designed for both surface and flush-mounted junction boxes. 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. Rated current and voltage are key factors to consider when choosing a splicing connector, as they indicate how the product can be used. This product has a rated voltage of 400 V and a rated current of 41 A, making it suitable for high-load applications. Ensure that the strip lengths are between 12 mm and 13 mm when connecting conductors to push wire® splicing connector. This product features conductor terminals and utilizes PUSH WIRE®. Our PUSH WIRE® connection is the simple and reliable method for connecting solid conductors. The item's dimensions are 25.6 x 14.2 x 20.1 mm (width x height x depth). Push wire® splicing connector is suitable for conductor cross sections ranging from 2.5 mm² to 6 mm². Tin is used for coating the contact surfaces.

Notes

General safety instructions

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

Safety Information

| Electrical data      |     |                |       |
|----------------------|-----|----------------|-------|
| Ratings per          |     | IEC/EN 60664-1 |       |
| Overvoltage category | III | III            | II    |
| Pollution degree     | 3   | 2              | 2     |
| Nominal voltage      | -   | -              | 400 V |
| Rated surge voltage  | -   | -              | 4 kV  |
| Rated current        | -   | -              | 41 A  |



| Connection data                        |  |  |
|--|--|--|
| Clamping units                         | 3  |  |
| Total number of potentials             | 1  |  |
| Connection 1                           |  |  |
| Connection technology                  | PUSH WIRE®   |  |
| Actuation type                         | Push-in  |  |
| Connectable conductor materials        | Copper<br>Aluminum   |  |
| Connectable conductor materials (note) | <p><b>Terminating Aluminum Conductors (not for use in North America)</b> WAGO Spring-Clamp Terminal Blocks are also suitable for solid aluminum conductors up to 4 mm²/12 AWG if WAGO “Alu-Plus” Contact Paste <a href="#">249-130</a> is used for termination.</p> <p>“Alu-Plus” 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 “Alu-Plus” contact paste.</p> <p>It is also possible to apply WAGO “Alu-Plus” <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                        | 2.5 ... 6 mm² / 14 ... 10 AWG  |  |
| Stranded conductor                     | 2.5 ... 6 mm² / 14 ... 10 AWG  |  |
| Strip length                           | 12 ... 13 mm / 0.47 ... 0.51 inches  |  |
| Wiring direction                       | Side-entry wiring  |  |

| Physical data |                        |  |
|---------------|------------------------|--|
| Width         | 25.6 mm / 1.008 inches |  |
| Height        | 14.2 mm / 0.559 inches |  |
| Depth         | 20.1 mm / 0.791 inches |  |

| Material data                      |  |  |
|------------------------------------|--|--|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |  |
| Color                              | transparent  |  |
| Cover color                        | red  |  |
| 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                          | 0.113 MJ   |  |
| Weight                             | 5.8 g  |  |




| Environmental requirements       |        |
|----------------------------------|--------|
| Ambient temperature (operation)  | +60 °C |
| Continuous operating temperature | 105 °C |

| Commercial data       |               |
|-----------------------|---------------|
| eCl@ss 10.0           | 27-14-11-04   |
| eCl@ss 9.0            | 27-14-11-04   |
| ETIM 9.0              | EC000446      |
| ETIM 8.0              | EC000446      |
| PU (SPU)              | 500 (50) pcs  |
| Packaging type        | Box           |
| Country of origin     | CN            |
| GTIN                  | 4050821215141 |
| Customs tariff number | 85369010000   |

| Environmental Product Compliance |                        |
|----------------------------------|------------------------|
| RoHS Compliance Status           | Compliant,No Exemption |

| Approvals / Certificates  |          |                  |  |          |                  |
|---|----------|------------------|--|----------|------------------|
| General approvals   |          |                  | Approvals for marine applications  |          |                  |
|    |          |                  |  |          |                  |
| Approval  | Standard | Certificate Name | Approval   | Standard | Certificate Name |
| CSA<br>DEKRA Certification B.V.   | C22.2    | 15411 (LR46759)  | ABS<br>American Bureau of Ship-<br>ping  | -        | 18-HG1755093-PDA |
| ENEC 15<br>UL International Germany<br>GmbH   | EN 60998 | ENEC-01207       |  |          |                  |
| UL<br>UL International Germany<br>GmbH  | UL 486C  | E69654           |  |          |                  |

| Downloads                                   |   |
|---|---|
| Environmental Product Compliance            |   |
| Compliance Search                           |   |
| Environmental Product<br>Compliance 773-173 |  |



| Documentation              |            |                 |                   |
|----------------------------|------------|-----------------|-------------------|
| Bid Text                   |            |                 |                   |
| 773-173                    | 19.02.2019 | xml<br>3.24 KB  | <a href="#">↓</a> |
| 773-173                    | 17.05.2017 | doc<br>25.00 KB | <a href="#">↓</a> |
| ausschreiben.de<br>773-173 |            |                 | <a href="#">↓</a> |

| CAD/CAE-Data         |                              |
|----------------------|------------------------------|
| CAD data             | CAE data                     |
| 2D/3D Models 773-173 | EPLAN Data Portal<br>773-173 |
| <a href="#">↓</a>    | <a href="#">↓</a>            |
|                      | WSCAD Universe<br>773-173    |
|                      | <a href="#">↓</a>            |
|                      | ZUKEN Portal 773-173         |
|                      | <a href="#">↓</a>            |

| 1 Compatible Products        |
|------------------------------|
| 1.1 Optional Accessories     |
| 1.1.1 Mounting adapter       |
| 1.1.1.1 Mounting accessories |



**Item No.: 773-332**  
Mounting carrier; 773 Series - 2.5 mm² / 4 mm² / 6 mm²; 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