

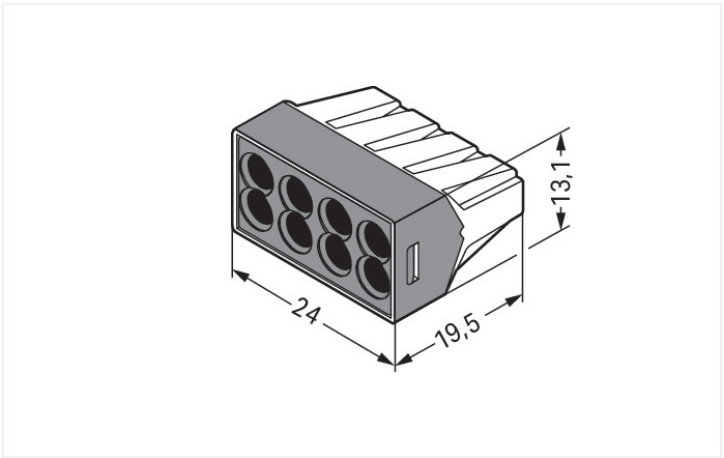
Data Sheet | Item Number: 773-108

PUSH WIRE® connector for junction boxes; for solid and stranded conductors; max. 2.5 mm²; 8-conductor; transparent housing; dark gray cover; Surrounding air temperature: max 60°C; 2,50 mm²; transparent

<https://www.wago.com/773-108>



Color: ☐ transparent



Dimensions in mm

Push wire® splicing connector, 773 Series, transparent

Enjoy convenient electrical installations with push wire® splicing connector (item number 773-108). This series of PUSH WIRE® connectors ensures safe and quick connections in both surface-mounted and flush-mounted junction boxes in any building, regardless of installation complexity. This splicing connector has a rated voltage of 400 V and can handle currents up to 24 A, making it suitable for high-load applications. Strip lengths must be 12 mm when connecting conductors to push wire® splicing connector. This product incorporates conductor terminals and utilizes PUSH WIRE®. Our tried-and-tested PUSH WIRE® connection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. Dimensions: 24 x 13.1 x 19.5 mm (width x height x depth). Depending on the conductor type, push wire® splicing connector is suitable for conductor cross sections ranging from 0.75 mm² to 2.5 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

| 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        | -              | -   | 24 A  |



Connection data

|                            |   |  |  |
|----------------------------|---|--|--|
| Clamping units             | 8 | Connection 1                           |  |
| Total number of potentials | 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                        | 0.75 ... 2.5 mm² / 18 ... 12 AWG   |
|                            |   | Stranded conductor                     | 1.5 ... 2.5 mm² / 16 ... 12 AWG  |
|                            |   | Note (conductor cross-section)         | When using conductors of the same diameter, 0.75 mm²/18 AWG cross-section is also possible.  |
|                            |   | Strip length                           | 12 mm / 0.47 inches  |
|                            |   | Wiring direction                       | Side-entry wiring  |

Physical data

|        |                        |
|--------|------------------------|
| Width  | 24 mm / 0.945 inches   |
| Height | 13.1 mm / 0.516 inches |
| Depth  | 19.5 mm / 0.768 inches |








| Material data                      |  |
|------------------------------------|--|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | transparent  |
| Cover color                        | dark gray  |
| 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                          | 0.099 MJ   |
| Weight                             | 4.6 g  |

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

| 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 9.0              | EC000446            |
| ETIM 8.0              | EC000446            |
| PU (SPU)              | 500 (50) pcs        |
| Packaging type        | Box                 |
| Country of origin     | CN                  |
| GTIN                  | 4044918397735       |
| Customs tariff number | 85369010000         |

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





Approvals / Certificates

| General approvals   |          |                  |
|---|----------|------------------|
| <div>CCA</div> <div></div> <div></div> <div></div> <div></div> <div></div> |          |                  |
| Approval  | Standard | Certificate Name |
| CCA<br>UL International Demko A/S   | EN 60998 | CCA-DK No. 2520  |
| CSA<br>DEKRA Certification B.V.   | C22.2    | 15411 (LR46759)  |
| KEMA/KEUR<br>DEKRA Certification B.V.   | EN 60998 | 71-101747        |
| ÖVE<br>Österreichischer Verband für Elektrotechnik  | EN 60998 | 1193-031-09      |
| UL<br>UL International Germany GmbH   | UL 486C  | E69654           |
| UL<br>UL International Germany GmbH   | EN 60998 | D-03479-A1       |

| Declarations of conformity and manufacturer's declarations |          |                  |
|--|----------|------------------|
| Approval   | Standard | Certificate Name |
| EU-Declaration of Confor- mity<br>WAGO GmbH & Co. KG       | -        | -                |
| UK-Declaration of Confor- mity<br>WAGO GmbH & Co. KG       | -        | -                |




Approvals for marine applications





|  |  |  |  |
|--|---|---|---|
| Approval   | Standard  | Certificate Name  |   |
| ABS<br>American Bureau of Ship-<br>ping  | -   | 18-HG1755093-PDA  |   |
| BV<br>Bureau Veritas S.A.  | EN 60998  | 11914/D0 BV   |   |
| DNV GL<br>Det Norske Veritas, Ger-<br>manischer Lloyd                            | EN 60998  | TAE000015T  |   |
| LR<br>Lloyds Register  | EN 60998  | LR22207029TA  |   |

Downloads

Environmental Product Compliance

| Compliance Search                           |   |
|---|---|
| Environmental Product<br>Compliance 773-108 |  |

CAD/CAE-Data

| CAD data   | CAE data   |
|--|--|
| 2D/3D Models 773-108  | EPLAN Data Portal<br>773-108  |
|  | WSCAD Universe<br>773-108     |
|  | ZUKEN Portal 773-108          |

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