

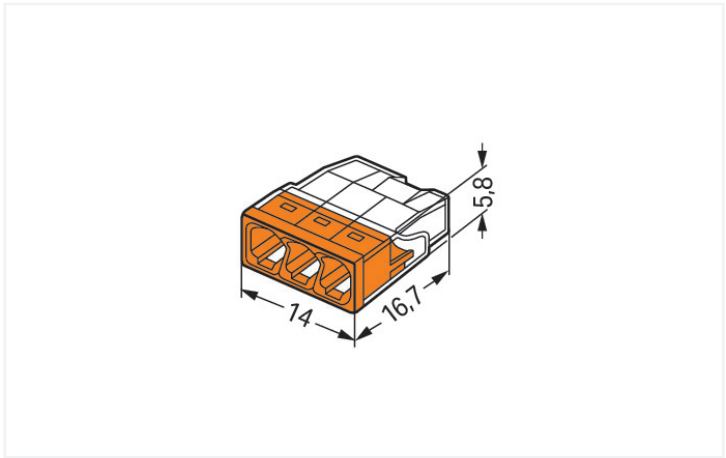
Data Sheet | Item Number: 2273-203

PUSH WIRE® splicing connector; for solid conductors; max. 2.5 mm²; 3-conductor;
transparent housing; orange cover; Surrounding air temperature: max 60°C (T60);
2,50 mm²; transparent

<https://www.wago.com/2273-203>



Color: ☐ transparent



Dimensions in mm

Push wire® splicing connector, 2273 Series, transparent

Easy electrical installations are guaranteed with push wire® splicing connector (item number 2273-203). 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. Our splicing connector is rated for 450 V and is designed to handle a rated current of up to 24 A. It can therefore be used in high-load applications. Ensure that the strip lengths are 11 mm when connecting conductors to push wire® splicing connector. Featuring conductor terminals along with PUSH WIRE®, this product outperforms the competition. Our PUSH WIRE® connection offers a simple and reliable method for connecting solid conductors. Dimensions: 14 x 5.8 x 16.7 mm (width x height x depth). Depending on the type of conductor, push wire® splicing connector is suitable for conductor cross sections ranging from 0.5 mm² to 2.5 mm². The contact surface is coated with tin.

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 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 surge voltage | - | - | 4 kV | | | |
| Rated current | - | - | 24 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 Aluminum | |
| Connectable conductor materials (note) | <p>Terminating Aluminum Conductors 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.</p> <p>"Alu-Plus" Contact Paste Advantages:</p> <ul style="list-style-type: none">• 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. <p>For spring pressure 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.</p> <p>It is also possible to apply WAGO "Alu-Plus" additionally 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:: 2.5 mm² = 16 A 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 | 14 mm / 0.551 inches | |
| Height | 5.8 mm / 0.228 inches | |
| Depth | 16.7 mm / 0.657 inches | |
| Material data | | |
| Note (material data) | Information on material specifications can be found here | |
| Color | transparent | |
| Cover color | orange | |
| 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 _{Cu}) | |
| Contact Plating | Tin | |
| Fire load | 0.019 MJ | |
| Weight | 1 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.) |
| 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) | 1000 (100) pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4050821027850 |
| Customs tariff number | 85369010000 |

| Product classification | |
|------------------------|----------|
| UNSPSC | 39121409 |

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

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

| Approvals for marine applications | | |
|--|----------|------------------|
|    | | |
| Approval | Standard | Certificate Name |
| ABS American Bureau of Shipping | - | 15-HG1419918-PDA |
| DNV GL Det Norske Veritas, Germanischer Lloyd | EN 60998 | TAE000015T |
| LR Lloyds Register | EN 60998 | LR22207029TA |



Downloads

Environmental Product Compliance

| | | | |
|---|--|--|--|
| Compliance Search | | | |
| Environmental Product Compliance 2273-203 | | | |

Documentation

| | | | |
|-----------------------------|------------|-----------------|--|
| Bid Text | | | |
| 2273-203 | 19.02.2019 | xml 3.17 KB | |
| 2273-203 | 17.05.2017 | doc 24.50 KB | |
| ausschreiben.de 2273-203 | | | |

CAD/CAE-Data

| | |
|--------------------------|--|
| CAD data | |
| 2D/3D Models 2273-203 | |

| | |
|-------------------------------|--|
| CAE data | |
| EPLAN Data Portal 2273-203 | |
| WSCAD Universe 2273-203 | |
| ZUKEN Portal 2273-203 | |

1 Compatible Products

1.1 Optional Accessories

1.1.1 General accessories

1.1.1.1 Moisture protection



[Item No.: 207-1332](#)
Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 2; 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

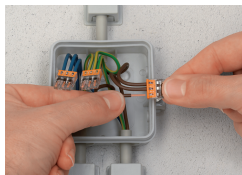
1.1.3.1 "Alu-Plus" contact paste



Item No.: 249-130
Syringe; Contents: 20 ml Alu-Plus contact paste

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.