

Data Sheet | Item Number: 221-422/995-016

Splicing connector with levers; for all conductor types; max. 4 mm²; 2-conductor; transparent housing; Surrounding air temperature: max 85°C (T85); 4,00 mm²; transparent



<https://www.wago.com/221-422/995-016>



Color: transparent

Splicing connector with levers, 221 Series, lever

Splicing connector with levers (item number 221-422/995-016) simplifies electrical installations. Whether for intercom system wiring or connecting electrical ovens, WAGO's 221 Series splicing connector allows you to quickly and safely connect different conductor types. Its compact design offers an efficient solution that simplifies your work. Conductors should only be connected to splicing connector with levers if their strip length is 11 mm. Rated current and voltage are important parameters when choosing a splicing connector, as they indicate how the product can be used. This product has a rated voltage of 450 V and a rated current of 32 A, making it suitable for high-load applications. Featuring conductor terminals along with CAGE CLAMP®, this product delivers reliable performance. Our trusted universal connection known as CAGE CLAMP® is the industry standard for connection technology and electrical interconnections. The dimensions are (13.2 x 8.6 x 18.8) mm (width x height x depth). Depending on the type of conductor, splicing connector with levers is suitable for conductor cross sections ranging from 0.2 mm² to 4 mm².

WAGO's 221 Series Splicing Connector with levers impresses with its innovative design for different conductor cross-sections. That's why WAGO's lever-equipped splicing connector holds a unique trademark within electrical interconnection technology. The flat levers, which fit seamlessly into the 221's base, act like a cast when closed and can be positioned neatly in any housing without disturbing edges. Due to the wide design of each lever, they can all be operated perfectly without tools for convenient conductor terminations. The transparent housing displays robust technology and enables immediate visual inspection for the correct contact of solid, stranded and fine-stranded conductors. Resembling piano keys, the levers' design perfectly combines the functional and aesthetic connection technology "Made by WAGO." This product is designed for specific Ex applications (please refer to the product datasheet).

This item includes:



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Splicing connector with levers; for all conductor types; max. 4 mm²; 2-conductor; transparent housing; Surrounding air temperature: max 85°C (T85); 4,00 mm²; transparent

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!

Safety Information

in grounded power lines

Electrical data

| Ratings per | EN 60664 | | |
|---------------------------------|----------|-----|-------|
| | III | III | II |
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Nominal voltage | - | - | 450 V |
| Rated impulse withstand voltage | - | - | 4 kV |
| Rated current | - | - | 32 A |

| Approvals per | UL 486C | | |
|---------------|---------|-------|---|
| | B | C | D |
| Use group | B | C | D |
| Rated voltage | - | 600 V | - |
| Rated current | - | 20 A | - |

General information

Wiring direction Side-entry wiring

Connection Data

| | |
|----------------------------|---|
| Clamping units | 2 |
| Total number of potentials | 1 |

Connection 1

| | |
|---------------------------------|--------------------------------------------|
| Connection technology | CAGE CLAMP® |
| Actuation type | Lever |
| Connectable conductor materials | Copper |
| Nominal cross-section | 4 mm ² / 12 AWG |
| Solid conductor | 0.2 ... 4 mm ² / 24 ... 12 AWG |
| Stranded conductor | 0.2 ... 4 mm ² / 24 ... 12 AWG |
| Fine-stranded conductor | 0.14 ... 4 mm ² / 24 ... 12 AWG |
| Strip length | 11 mm / 0.43 inches |
| Wiring direction | Side-entry wiring |

Physical data

| | |
|--------|------------------------|
| Width | 13.2 mm / 0.52 inches |
| Height | 8.6 mm / 0.327 inches |
| Depth | 18.8 mm / 0.732 inches |

Material data

| | |
|------------------------------------|--------------------------------------------------------------------------|
| Note (material data) | Information on material specifications can be found here |
| Color | transparent |
| Material group | Illa |
| Insulation material (main housing) | Polycarbonate (PC) |
| Flammability class per UL94 | V2 |
| Fire load | 0.042 MJ |
| Actuator color | green |
| Weight | 1.8 g |

Environmental requirements

| | |
|----------------------------------|--------|
| Ambient temperature (operation) | +85 °C |
| Continuous operating temperature | 105 °C |
| Temperature marking per EN 60998 | T85 |

Commercial data

| | |
|-----------------------|---------------|
| PU (SPU) | 288 (16) pcs |
| Packaging type | Blister foil |
| Country of origin | DE |
| GTIN | 4066966354898 |
| Customs tariff number | 85369010000 |

Product Classification

| | |
|-----------|----------------------|
| UNSPSC | 39121409 |
| ETIM 9.0 | EC000446 |
| ETIM 10.0 | EC000446 |
| ECCN | NO US CLASSIFICATION |

Environmental Product Compliance

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

Downloads

Environmental Product Compliance

| | |
|-----------------------------------------------------|-------------------------------------------------------------------------------------|
| Compliance Search | |
| Environmental Product Compliance 221-422/995-016 |  |

1 Compatible Products

1.1 Optional Accessories

1.1.1 General accessories

1.1.1.1 Empty housings



Item No.: 207-4301

Junction box; Branch; for multicore cables; 221 Series; max. 4 mm² connectors; without splicing connectors; white

1.1.1.2 Moisture protection



Item No.: 207-1331

Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 1; gray



Item No.: 207-1332

Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 2; gray



Item No.: 207-1333

Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 3; gray

1.1.2 Jumper

1.1.2.1 Jumper



Item No.: 221-941/000-006

Jumper; for conductor entry; 2-way; insulated; blue



Item No.: 221-942/000-006

Jumper; for conductor entry; 2-way; insulated; blue



Item No.: 221-941

Jumper; for conductor entry; 2-way; insulated; dark gray



Item No.: 221-942

Jumper; for conductor entry; 2-way; insulated; dark gray

1.1.3 Mounting adapter

1.1.3.1 Mounting accessories



Item No.: 221-500/000-006

Mounting carrier; 221 Series - 4 mm²; for DIN-35 rail mounting/screw mounting; blue



Item No.: 221-500/000-053

Mounting carrier; 221 Series - 4 mm²; for DIN-35 rail mounting/screw mounting; dark gray-yellow



Item No.: 221-500

Mounting carrier; 221 Series - 4 mm²; for DIN-35 rail mounting/screw mounting; orange



Item No.: 221-502/000-004

Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; for screw mounting; black



Item No.: 221-502

Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; for screw mounting; white



Item No.: 221-512/000-004

Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for horizontal mounting; black



Item No.: 221-512

Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for horizontal mounting; white



Item No.: 221-522/000-004

Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for vertical mounting; black



Item No.: 221-522

Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for vertical mounting; white

Installation Notes

Conductor termination



Strip conductor to 11 mm

Termination: Lift the lever to open the clamping unit and insert a stripped conductor

Then lower the lever to close the clamp

Testing



Testing via test slots

Application



Wiring in the distribution box