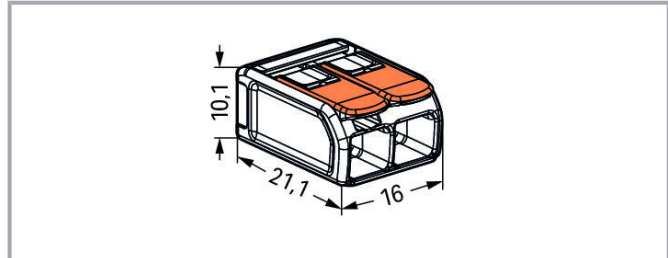


**Data sheet | Item number: 221-612**

COMPACT Splicing Connector; for all conductor types; max. 6 mm<sup>2</sup>; 2-conductor; with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 6,00 mm<sup>2</sup>; transparent

[www.wago.com/221-612](http://www.wago.com/221-612)



Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



## Item description

Your Benefits:

- Ease of use – pull the lever up, insert a conductor and push the lever back down
- Available as 2-, 3- and 5-wire connectors
- Easily terminate conductors from 0.5 to 6 mm<sup>2</sup>
- Connection of all conductor types
- Time savings for installers and device manufacturers
- Quickly install devices with higher levels of power consumption
- Safely install long cable runs with larger conductor cross sections
- Mounting carrier for installation conforms to standards
- Custom carriers are possible

## Safety information 1:

in grounded power lines

## Data

### Electrical data

#### Ratings per IEC/EN

|                            |                                                         |
|----------------------------|---------------------------------------------------------|
| Ratings per                | EN 60664                                                |
| Nominal voltage (II/2)     | 450 V                                                   |
| Rated surge voltage (II/2) | 4 kV                                                    |
| Rated current              | 41 A                                                    |
| Legend (ratings)           | (II / 2) △ Overvoltage category II / Pollution degree 2 |

#### Ratings per UL

|                                |         |
|--------------------------------|---------|
| Approvals per                  | UL 486C |
| Rated voltage UL (Use Group C) | 600 V   |
| Rated current UL (Use Group C) | 30 A    |

### Connection data

|                                 |                                           |
|---------------------------------|-------------------------------------------|
| Connection technology           | CAGE CLAMP®                               |
| Actuation type                  | Lever                                     |
| Connectable conductor materials | Copper                                    |
| Nominal cross-section           | 6 mm <sup>2</sup>                         |
| Solid conductor                 | 0.5 ... 6 mm <sup>2</sup> / 20 ... 10 AWG |

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



|                                   |                                           |
|-----------------------------------|-------------------------------------------|
| Stranded conductor                | 0.5 ... 6 mm <sup>2</sup> / 20 ... 10 AWG |
| Fine-stranded conductor           | 0.5 ... 6 mm <sup>2</sup> / 20 ... 10 AWG |
| Strip length                      | 12 ... 14 mm / 0.47 ... 0.55 inch         |
| Total number of connection points | 2                                         |
| Total number of potentials        | 1                                         |
| Wiring type                       | Side-entry wiring                         |

## Physical data

|        |                      |
|--------|----------------------|
| Width  | 16 mm / 0.63 inch    |
| Height | 10.1 mm / 0.398 inch |
| Depth  | 21.1 mm / 0.831 inch |

## Material data

|                             |             |
|-----------------------------|-------------|
| Color                       | transparent |
| Flammability class per UL94 | V2          |
| Fire load                   | 0.05 MJ     |
| Color of actuator           | orange      |
| Weight                      | 3 g         |

## Environmental requirements

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

## Commercial data

|                       |               |
|-----------------------|---------------|
| Packaging type        | BOX           |
| Country of origin     | CH            |
| GTIN                  | 4055143704168 |
| Customs tariff number | 85369010000   |

## Approvals / Certificates

### Country specific Approvals

| Logo | Approval                 | Additional Approval Text | Certificate name |
|------|--------------------------|--------------------------|------------------|
|      | <b>KEMA/KEUR</b>         | EN 60998                 | 71-              |
|      | DEKRA Certification B.V. |                          | 105677           |

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



## Ship Approvals

| Logo                                                                              | Approval                                                | Additional Approval Text | Certificate name |
|-----------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------|------------------|
|   | <b>ABS</b><br>American Bureau of Shipping               | EN 60998                 | 18-HG1755093-PDA |
|   | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | EN 60998                 | TAE000015T       |
|  | <b>LR</b><br>Lloyds Register                            | EN 60998                 | 04/20013 (E8)    |

## UL-Approvals

| Logo                                                                               | Approval                                    | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------------|--------------------------|------------------|
|  | <b>UL</b><br>Underwriters Laboratories Inc. | UL 486C                  | E69654           |
|  | <b>UL</b><br>Underwriters Laboratories Inc. | UL 467                   | E201573          |

## Compatible products

## Mounting adapter

|                                                                                   |                                                                                                                                      |                                                                                |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|  | <b>Item no.: 221-510</b><br>Mounting carrier; 221 Series - 6 mm <sup>2</sup> ; for DIN-35 rail mounting/screw mounting; orange       | <a href="http://www.wago.com/221-510">www.wago.com/221-510</a>                 |
|  | <b>Item no.: 221-510/000-006</b><br>Mounting carrier; 221 Series - 6 mm <sup>2</sup> ; for DIN-35 rail mounting/screw mounting; blue | <a href="http://www.wago.com/221-510/000-006">www.wago.com/221-510/000-006</a> |

Subject to changes. Please also observe the further product documentation!

**Item no.: 221-510/000-053**Mounting carrier; 221 Series - 6 mm<sup>2</sup>; for DIN-35 rail mounting/screw mounting; dark gray-yellow[www.wago.com/221-510/000-053](http://www.wago.com/221-510/000-053)**Jumper****Item no.: 221-941**

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

[www.wago.com/221-941](http://www.wago.com/221-941)**Item no.: 221-941/000-006**

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

[www.wago.com/221-941/000-006](http://www.wago.com/221-941/000-006)**Item no.: 221-942**

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

[www.wago.com/221-942](http://www.wago.com/221-942)**Item no.: 221-942/000-006**

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

[www.wago.com/221-942/000-006](http://www.wago.com/221-942/000-006)**Downloads****Documentation****Bid Text**

|                                                         |              |                 |          |
|---------------------------------------------------------|--------------|-----------------|----------|
| 221-612<br>X81 - Datei                                  | Feb 19, 2019 | xml<br>3.6 kB   | Download |
| 221-612<br>docx - Datei                                 | Jan 23, 2019 | docx<br>16.0 kB | Download |
| <b>Additional Information</b><br>Technical explanations | Apr 3, 2019  | pdf<br>2.2 MB   | Download |

**CAD/CAE-Data****CAD data**

|                      |     |          |
|----------------------|-----|----------|
| 2D/3D Models 221-612 | URL | Download |
|----------------------|-----|----------|

**CAE data**

|                      |     |          |
|----------------------|-----|----------|
| ZUKEN Portal 221-612 | URL | Download |
|----------------------|-----|----------|

**Environmental Product Compliance**

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG  
 Hansastr. 27  
 32423 Minden  
 Phone: +49571 887-0 | Fax: +49571 887-169  
 Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
 We are always happy to take your call at +49 (571) 887-44222.

## Compliance Search

Environmental Product Compliance 221-612

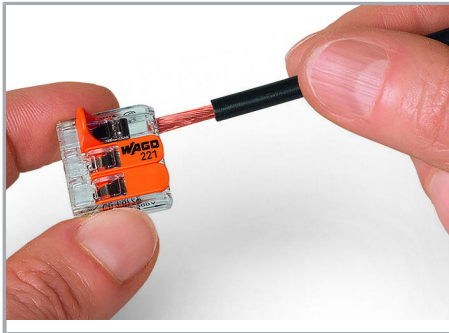
URL

Download

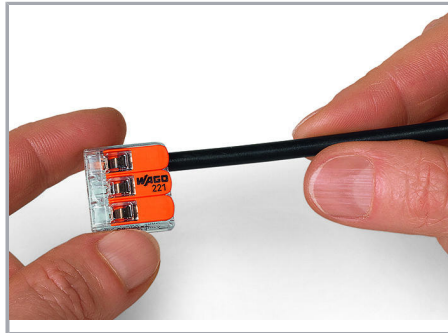
COMPACT Splicing Connector; for all conductor types; max. 6 mm<sup>2</sup>; 2-conductor;  
with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 6,00  
mm<sup>2</sup>; transparent

## Installation Notes

### Conductor termination

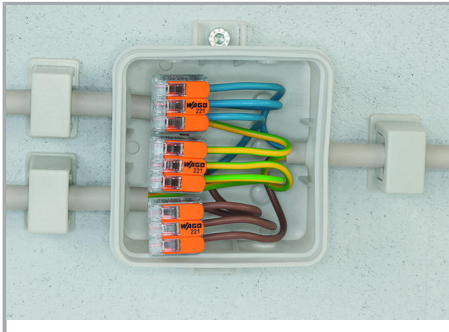


Termination: Lift the lever to open the clamping unit and insert a stripped conductor.

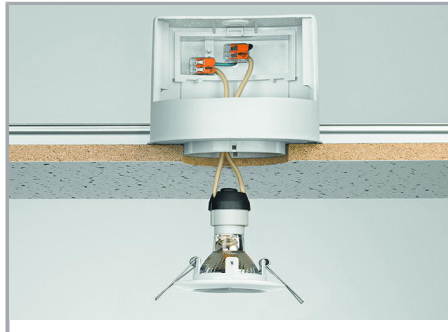


Then, lower the lever to close the clamp.

### Application



Wiring fine-stranded conductors in junction boxes.



Custom low-voltage lighting system



Lighting distribution in a ceiling canopy

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



Pendant light connection in a suspended ceiling



COMPACT Splicing Connectors for All Conductor Types (6 mm<sup>2</sup>), 221 Series

Subject to changes. Please also observe the further product documentation!