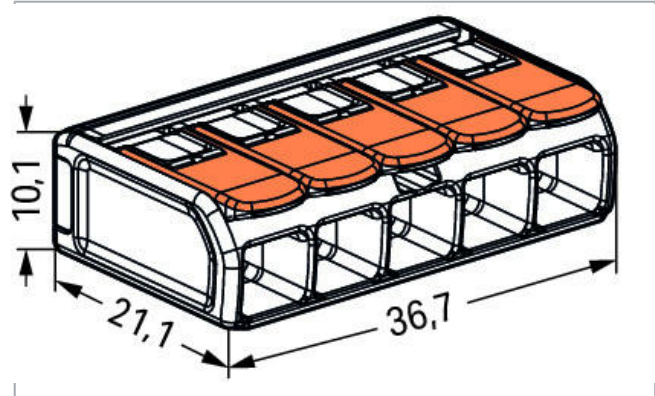
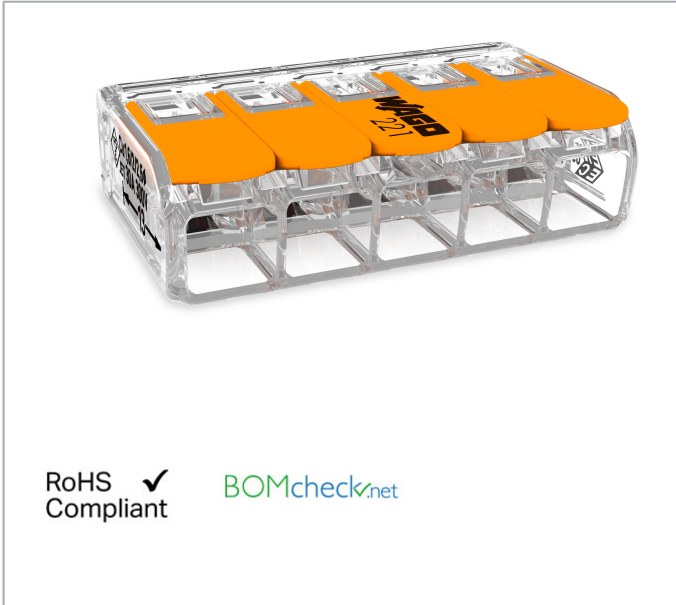


## Data sheet | Item number: 221-615

COMPACT Splicing Connector; for all conductor types; max. 6 mm<sup>2</sup>; 5-conductor; with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 6,00 mm<sup>2</sup>; transparent

[www.wago.com/221-615](http://www.wago.com/221-615)



RoHS   
Compliant

[BOMcheck.net](https://www.bomcheck.net)



### 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

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

WAGO Kontakttechnik GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
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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 01788 568 008.



- 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 60664-1

|                            |  |
|----------------------------|--|
| 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) $\triangleq$ Overvoltage category II / Pollution degree 2 |

#### Ratings per UL 1059

|                                |         |
|--------------------------------|---------|
| 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 |
| 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 | 5   |
| Total number of potentials        | 1   |
| Wiring type                       | Side-entry wiring                         |

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

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## Physical data

|        |                      |
|--------|----------------------|
| Width  | 36.7 mm / 1.445 inch |
| Height | 10.1 mm / 0.398 inch |
| Depth  | 21.1 mm / 0.831 inch |

## Material data

|                             |             |
|-----------------------------|-------------|
| Color                       | transparent |
| Flammability class per UL94 | V2          |
| Color of actuator           | orange      |
| Weight                      | 7.1 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                  | 4055143715478 |
| Customs tariff number | 85369010000   |

## Approvals / Certificates

### Country specific Approvals

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

### Ship Approvals

| Logo | Approval                                  | Additional Approval Text | Certificate name         |
|------|---|--------------------------|--------------------------|
|      | <b>ABS</b><br>American Bureau of Shipping | EN 60998                 | 18-<br>HG1755093-<br>PDA |

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





|   |          |            |
|---|----------|------------|
| <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | EN 60998 | TAE000015T |
|---|----------|------------|



|                              |          |                  |
|------------------------------|----------|------------------|
| <b>LR</b><br>Lloyds Register | EN 60998 | 04/20013<br>(E8) |
|------------------------------|----------|------------------|






**UL-Approvals**



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

**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> |
|  | <b>Item no.: 221-510/000-053</b><br>Mounting carrier; 221 Series - 6 mm <sup>2</sup> ; for DIN-35 rail mounting/screw mounting; dark gray-yellow | <a href="http://www.wago.com/221-510/000-053">www.wago.com/221-510/000-053</a> |

**Jumper**

|  |   |  |
|--|---|--|
|  | <b>Item no.: 221-941</b><br>Jumper; for conductor entry; 2-way; insulated; dark gray    | <a href="http://www.wago.com/221-941">www.wago.com/221-941</a>                 |
|  | <b>Item no.: 221-941/000-006</b><br>Jumper; for conductor entry; 2-way; insulated; blue | <a href="http://www.wago.com/221-941/000-006">www.wago.com/221-941/000-006</a> |

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



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

|                        |             |               |          |
|------------------------|-------------|---------------|----------|
| 221-615<br>X81 - Datei | 19-Feb-2019 | xml<br>3.6 kB | Download |
|------------------------|-------------|---------------|----------|

|                         |             |                 |          |
|-------------------------|-------------|-----------------|----------|
| 221-615<br>docx - Datei | 23-Jan-2019 | docx<br>15.8 kB | Download |
|-------------------------|-------------|-----------------|----------|

#### Additional Information

|                        |             |               |          |
|------------------------|-------------|---------------|----------|
| Technical explanations | 03-Apr-2019 | pdf<br>2.2 MB | Download |
|------------------------|-------------|---------------|----------|

## CAD/CAE-Data

### CAD data

|                      |  |     |          |
|----------------------|--|-----|----------|
| 2D/3D Models 221-615 |  | URL | Download |
|----------------------|--|-----|----------|

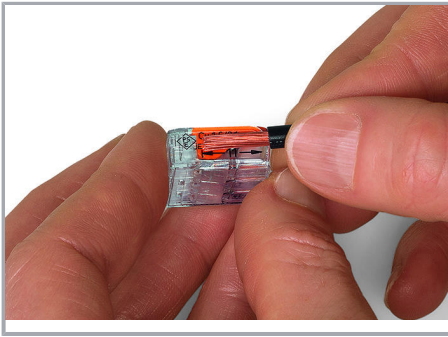
### CAE data

|                      |  |     |          |
|----------------------|--|-----|----------|
| ZUKEN Portal 221-615 |  | URL | Download |
|----------------------|--|-----|----------|

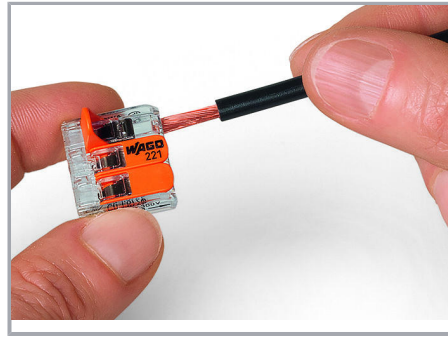
## Installation Notes

### Conductor termination

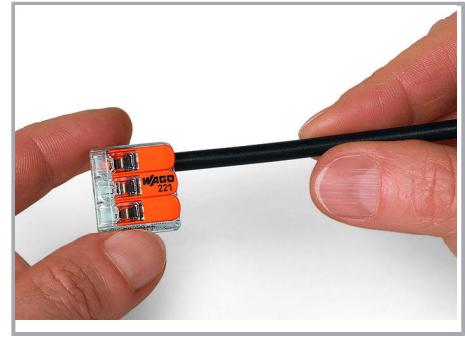
Subject to changes. Please also observe the further product documentation!



Strip conductor to 11 mm (0.43 inch).

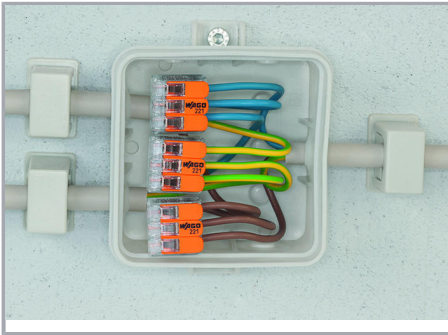


Termination: Lift the lever to open the clamping unit and insert a stripped conductor.

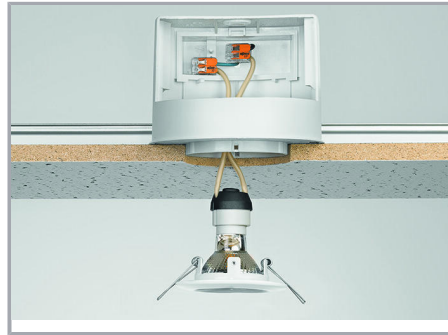


Then, lower the lever to close the clamp.

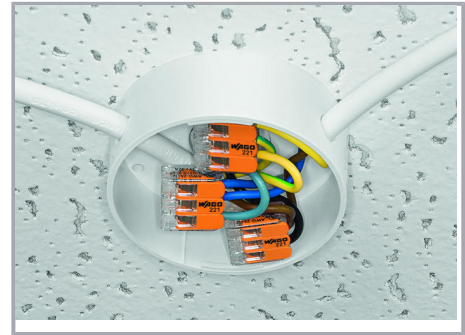
### Application



Wiring fine-stranded conductors in a junction box.



Custom low-voltage lighting system

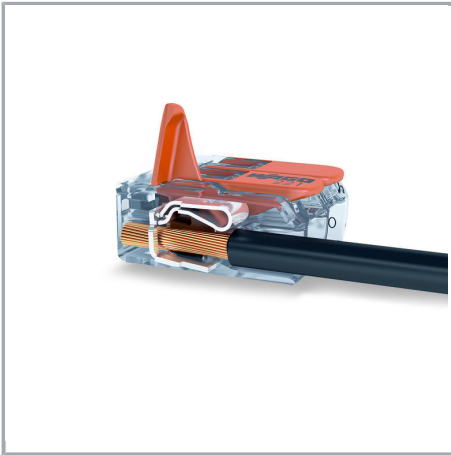


Lighting distribution in ceiling canopy



Pendant light connection in suspended ceilings

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



COMPACT Splicing Connectors for All  
Conductor Types, 4 mm<sup>2</sup> (12 AWG), 221  
Series

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