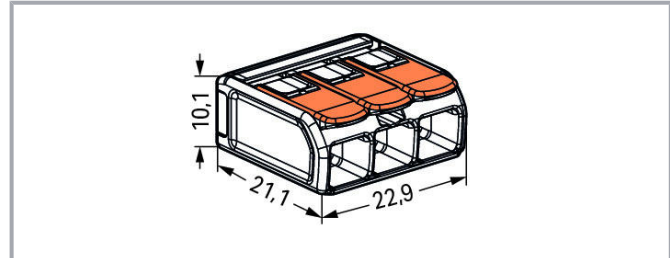


## Data sheet | Item number: 221-613

COMPACT Splicing Connector; for all conductor types; max. 6 mm<sup>2</sup>; 3-conductor; with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 6,00 mm<sup>2</sup>; transparent



[www.wago.com/221-613](http://www.wago.com/221-613)



### 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

—  
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.



- 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
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	3
Total number of potentials	1
Wiring type	Side-entry wiring

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

## Physical data

Width	22.9 mm / 0.902 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	0.073 MJ
Color of actuator	orange
Weight	4 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	4055143715416
Customs tariff number	85369010000

## Approvals / Certificates

### Country specific Approvals

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

### Ship Approvals

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

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



DNV GL

Det Norske Veritas, Germanischer Lloyd

EN 60998

TAE000015T





LR

Lloyds Register

EN 60998




04/20013  
(E8)

### UL-Approvals



Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 467	E201573
	UL Underwriters Laboratories Inc.	UL 486C	E69654

### Compatible products

#### Mounting adapter

	<b>Item no.: 221-510</b> 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> 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> 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> 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> 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!



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Item no.: 221-942  
Jumper; for conductor entry; 2-way; insulated; dark gray [www.wago.com/221-942](http://www.wago.com/221-942)

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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)

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## Downloads

### Documentation

#### Bid Text

221-613 X81 - Datei	Feb 19, 2019	xml 3.6 kB	Download
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221-613 docx - Datei	Jan 23, 2019	docx 15.4 kB	Download
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#### Additional Information

Technical explanations	Apr 3, 2019	pdf 2.2 MB	Download
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## CAD/CAE-Data

### CAD data

2D/3D Models 221-613		URL	Download
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### CAE data

ZUKEN Portal 221-613		URL	Download
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## Environmental Product Compliance

### Compliance Search

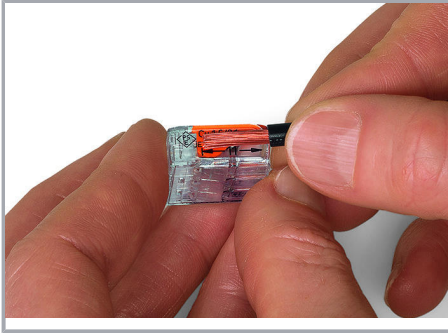
Environmental Product Compliance 221-613 COMPACT Splicing Connector; for all conductor types; max. 6 mm <sup>2</sup> ; 3-conductor; with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 6,00 mm <sup>2</sup> ; transparent		URL	Download
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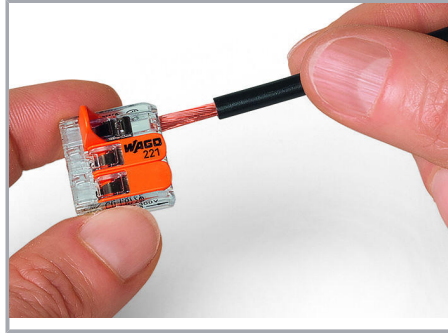
## Installation Notes

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

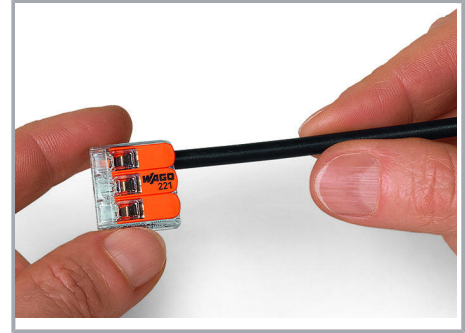
### Conductor termination



Strip conductor to 11 mm (0.43 inch).

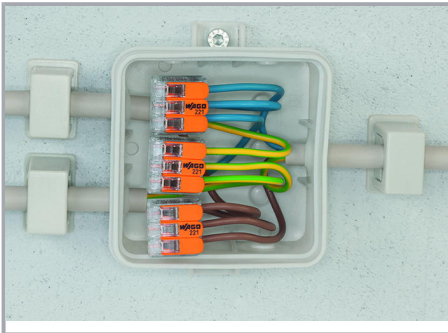


Termination: Lift the lever to open the clamping unit and insert a stripped conductor.

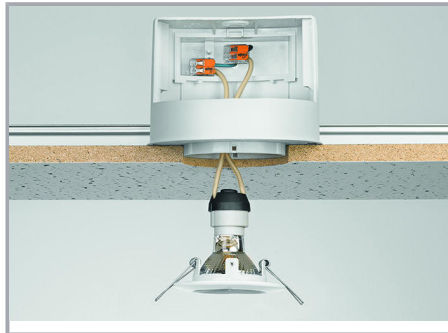


Then, lower the lever to close the clamp.

### Application



Wiring fine-stranded conductors in junction boxes.



Custom low-voltage lighting system

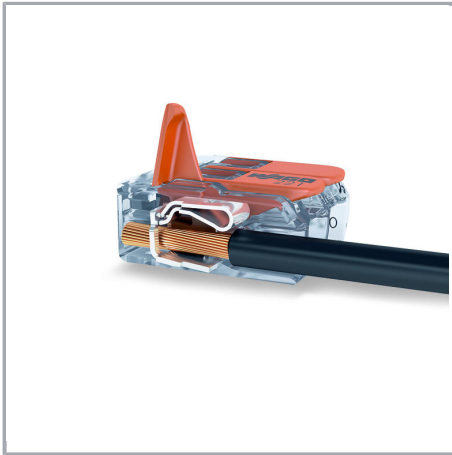


Lighting distribution in a ceiling canopy



Pendant light connection in a suspended ceiling

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



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

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