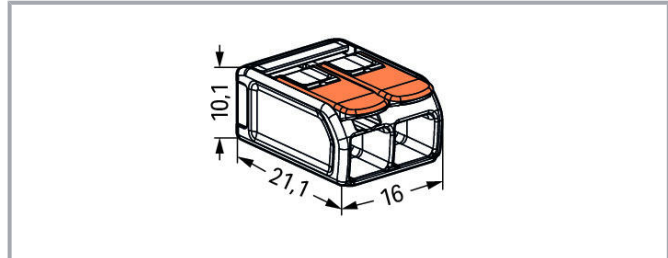


Data sheet | Item number: 221-612

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!

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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

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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> DEKRA Certification B.V.	EN 60998	71- 105677



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



## Ship Approvals

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

## UL-Approvals

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





## Compatible products

## 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>
"	<b>Item no.: 221-942</b> Jumper; for conductor entry; 2-way; insulated; dark gray	<a href="http://www.wago.com/221-942">www.wago.com/221-942</a>

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



	<b>Item no.: 221-942/000-006</b> Jumper; for conductor entry; 2-way; insulated; blue	<a href="http://www.wago.com/221-942/000-006">www.wago.com/221-942/000-006</a>
<b>Mounting adapter</b>		
	<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>

**Downloads  
Documentation**

**Bid Text**

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

**CAD/CAE-Data**

**CAD data**

2D/3D Models 221-612	URL	Download
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**CAE data**

ZUKEN Portal 221-612	URL	Download
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**Environmental Product Compliance**

**Compliance Search**

Environmental Product Compliance 221-612

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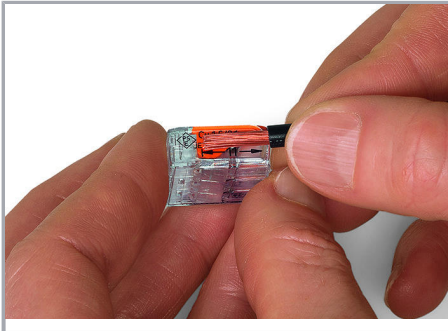
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Environmental Product Compliance 221-612

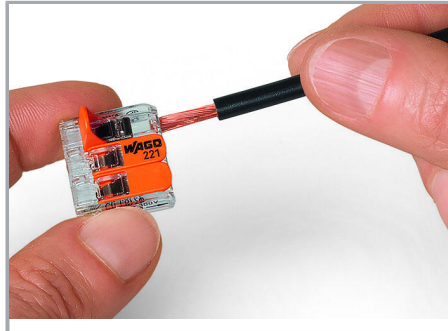
COMPACT Splicing Connector; for all conductor types; max. 6 mm<sup>2</sup>; 2-conductor; with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 6,00 mm<sup>2</sup>; transparent

## Installation Notes

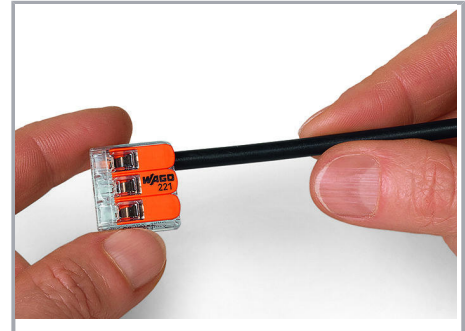
### Conductor termination



Strip conductor to 11 mm (0.43 inch).

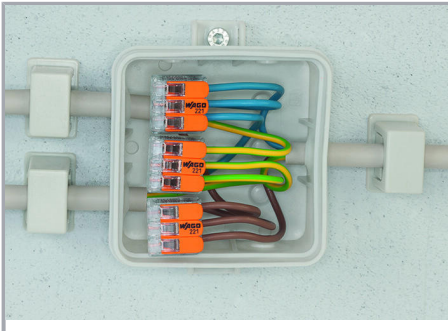


Termination: Lift the lever to open the clamping unit and insert a stripped conductor.

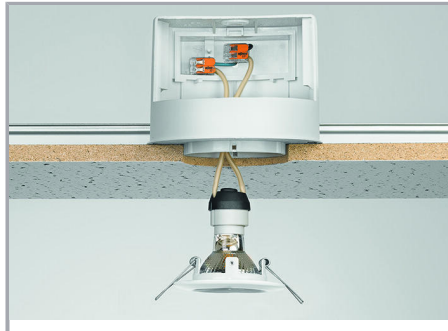


Then, lower the lever to close the clamp.

### Application



Wiring fine-stranded conductors in junction boxes.



Custom low-voltage lighting system

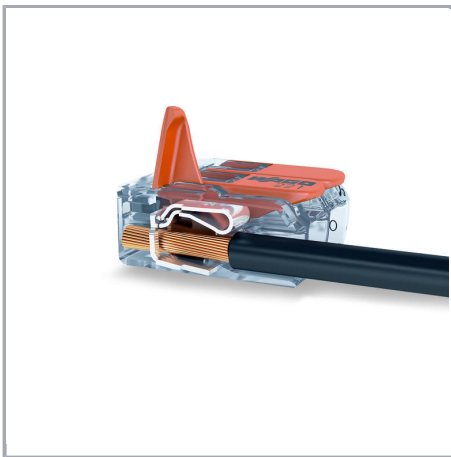


Lighting distribution in a ceiling canopy

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



Pendant light connection in a suspended ceiling



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

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