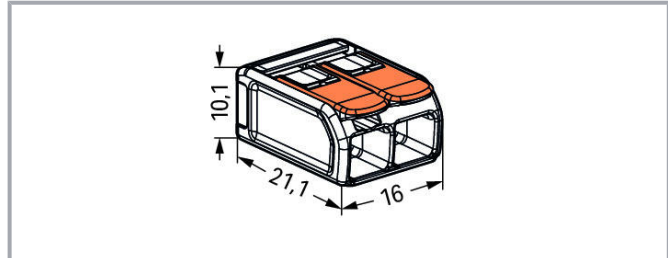


Data sheet | Item number: 221-612

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

## Data

### Notes

Safety information 1 in grounded power lines

## 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) Δ 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

Total number of connection points	2
Total number of potentials	1

## Connection 1

Connection technology

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



	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
Wiring direction	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

Note on material data	Information on material data can be found here
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

PU (SPU)	500 (50) Stück
Packaging type	box
Country of origin	CH
GTIN	4055143704168
Customs tariff number	85369010000


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## 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
	<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> UL International Germany GmbH	UL 486C	E69654

## Optional accessories

### Jumpers

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!



**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)

## Mounting adapter

### Mounting accessories



**Item no.:** 221-510

Mounting carrier; 221 Series - 6 mm<sup>2</sup>; for DIN-35 rail mounting/screw mounting; orange

[www.wago.com/221-510](http://www.wago.com/221-510)



**Item no.:** 221-510/000-006

Mounting carrier; 221 Series - 6 mm<sup>2</sup>; for DIN-35 rail mounting/screw mounting; blue

[www.wago.com/221-510/000-006](http://www.wago.com/221-510/000-006)



**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)

## Downloads

### Documentation

#### Bid Text

221-612 X81 - Datei	19 lut 2019	xml 3.6 kB	Download
221-612 docx - Datei	23 sty 2019	docx 16.0 kB	Download

#### Additional Information

Technical explanations		pdf 2.2 MB	Download
		pdf 125.0 kB	Download

## CAD/CAE-Data

### CAD data

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

ZUKEN Portal 221-612

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

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 221-612

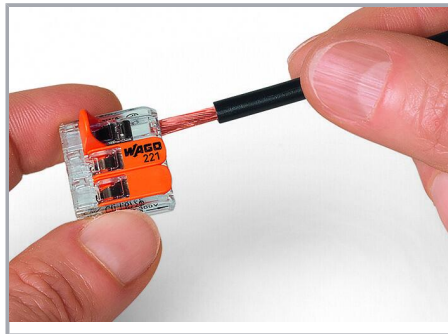
[URL](#)

[Download](#)

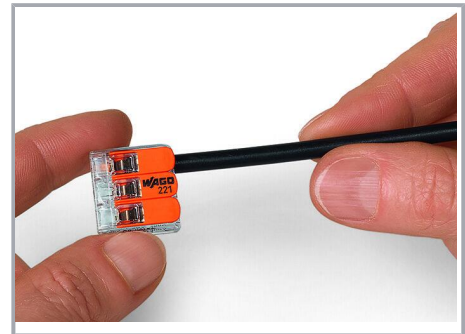
COMPACT Splicing Connector; for all conductor types; max. 6 mm<sup>2</sup>; 2-conductor; with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 6,00 mm<sup>2</sup>; transparent

## Installation Notes

### Conductor termination

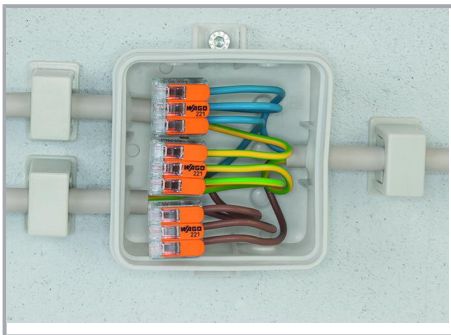


Termination: Lift the lever to open the clamping unit and insert a stripped conductor.

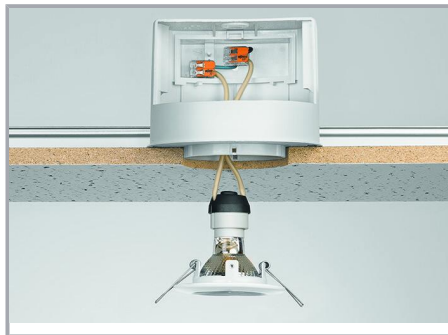


Then, lower the lever to close the clamp.

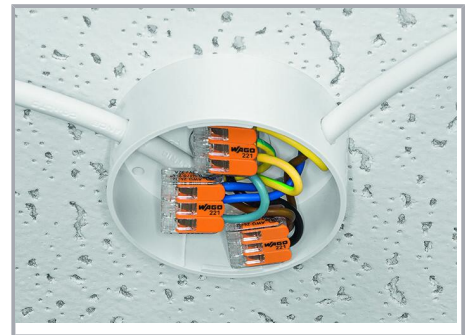
### Application



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!



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!