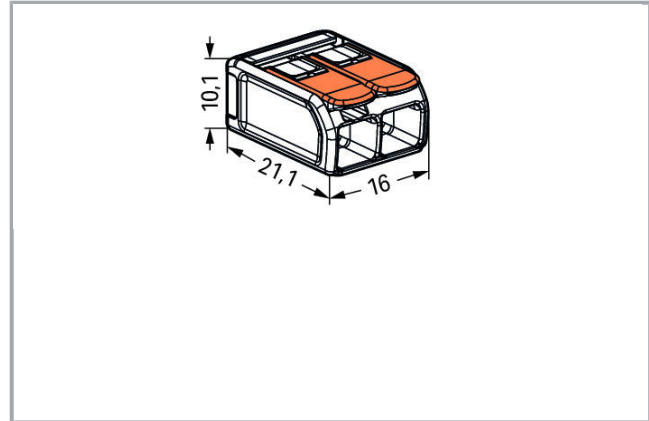


Data sheet | Item number: 221-612

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.

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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:

- Easy to 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 for all conductors from 0.5 to 6 mm<sup>2</sup> (20 ... 10 AWG).
- 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 conforming to standards
- Custom carriers are possible

## Safety information 1:

In grounded power lines

## Data

### Electrical data

Subject to changes.

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### Ratings per IEC/EN 60664-1

Rated voltage (II / 2)	450 V
Rated impulse voltage (II / 2)	4 kV
Rated current	41 A
Legend (ratings)	(II / 2) $\triangleq$ Overvoltage category II / Pollution degree 2

### Approvals per UL 1059

Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	30 A

### Connection data

Connection technology	CAGE CLAMP <sup>®</sup>
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	2
Total number of potentials	1
Type of wiring	Side-entry wiring

### Geometrical 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
Weight	3 g

Subject to changes.

## Environmental Requirements




Surrounding air (operating) temperature	85 °C
Continuous operating temperature	105 °C
T-Marking per EN 60998	T85

## Commercial data



Packaging type	BOX
Country of origin	CH
GTIN	4055143704168
Customs Tariff No.	85369010000

## Approvals / Certificates

### 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. WIRE CONNECTOR 667F	UL 486C	E69654
	<b>UL</b> Underwriters Laboratories Inc. GROUNDING EQUIP 64KA	UL 467	E201573




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## 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>

## Downloads

### Documentation

#### Additional Information

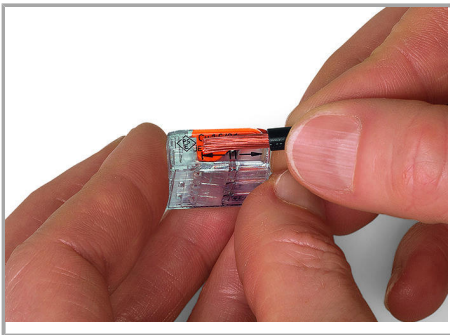
Technical explanations	3/abr/2019	pdf 2.1 MB	Download
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## CAD/CAE-Data

### CAD data

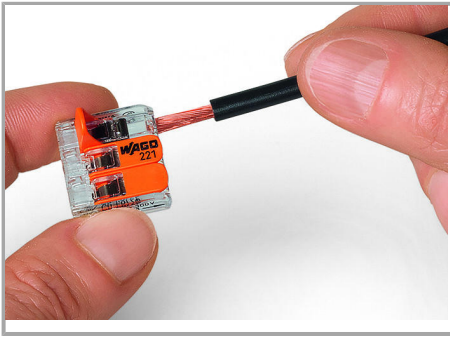
2D/3D Models 221-612	URL	Download
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## Installation Notes

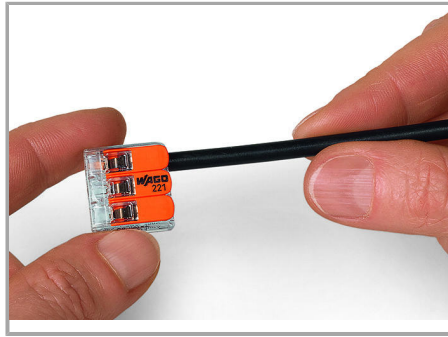


Strip conductor to 11 mm (0.43 inch).

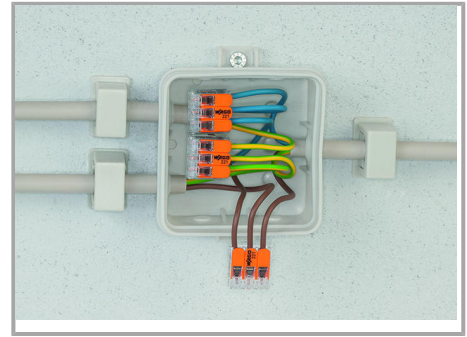
Subject to changes.



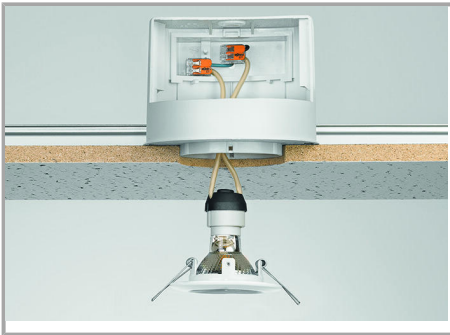
Termination: Lift the lever to open the clamping unit and insert a stripped conductor.



Then, lower the lever to close the clamp.



Wiring fine-stranded conductors in a junction box.



Custom low-voltage lighting system

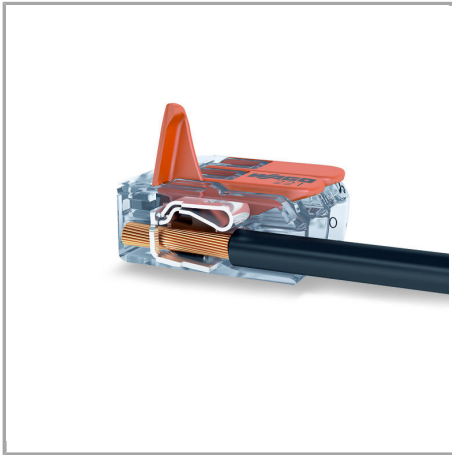


Lighting distribution in ceiling canopy



Pendant light connection in suspended ceilings

Subject to changes.



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

Subject to changes.