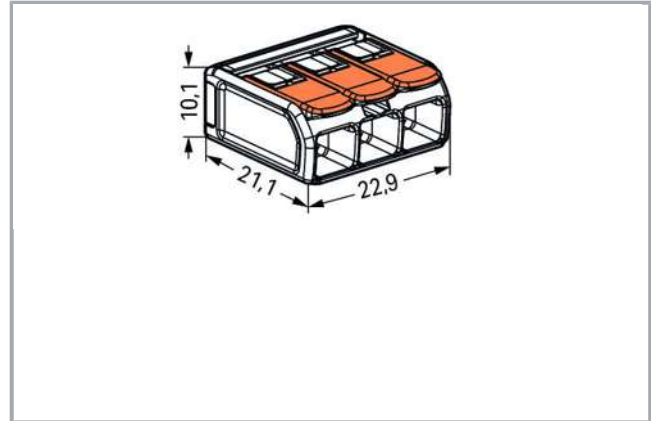
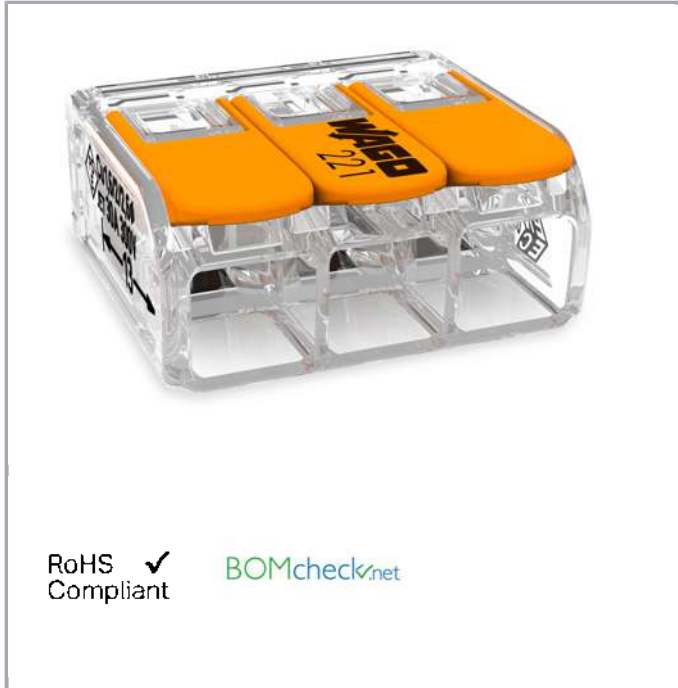


Data sheet | Item number: 221-613

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)



RoHS   
Compliant

BOMcheck.net



### Item description

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.



## 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 60664-1

Ratings per	EN 60664
Rated voltage (II / 2)	450 V
Rated impulse voltage (II / 2)	4 kV
Rated current	41 A
Legend (ratings)	(II / 2) ≙ 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
Approvals per	UL 486C

## 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

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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
Type of wiring	Side-entry wiring

### Geometrical 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
Weight	4 g

### 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	4055143715416
Customs Tariff No.	85369010000

### Approvals / Certificates

#### Country specific Approvals

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

#### Ship Approvals



Certificate

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



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

#### Counterpart

#### 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>

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

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## Downloads Documentation

### Bid Text

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

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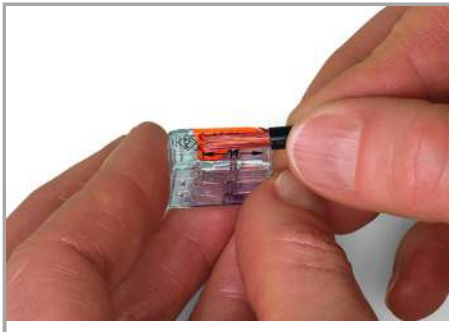
## CAD/CAE-Data

### CAD data

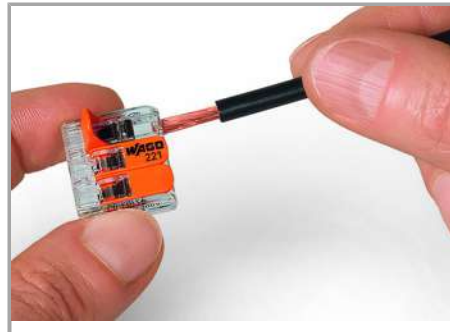
2D/3D Models 221-613	URL	Download
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## Installation Notes

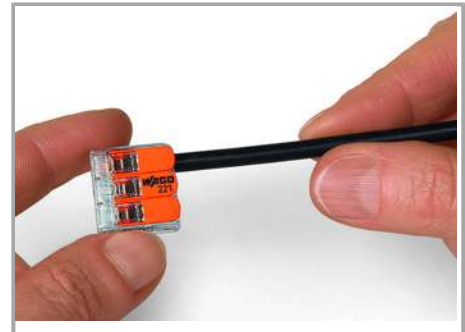
### Conductor termination



Strip conductor to 11 mm (0.43 inch).



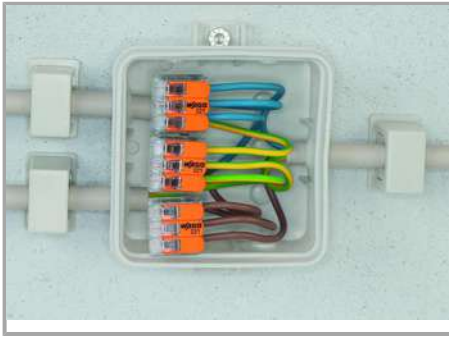
Termination: Lift the lever to open the clamping unit and insert a stripped conductor.



Then, lower the lever to close the clamp.

### Application

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



Wiring fine-stranded conductors in a junction box.



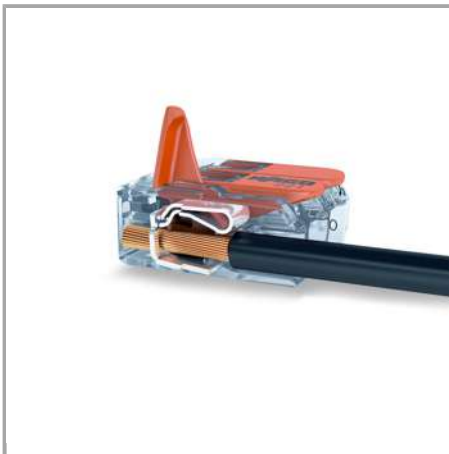
Custom low-voltage lighting system



Lighting distribution in ceiling canopy



Pendant light connection in suspended ceilings



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!