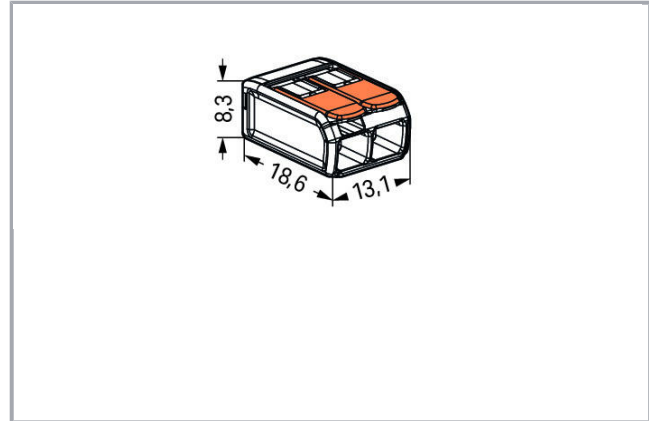
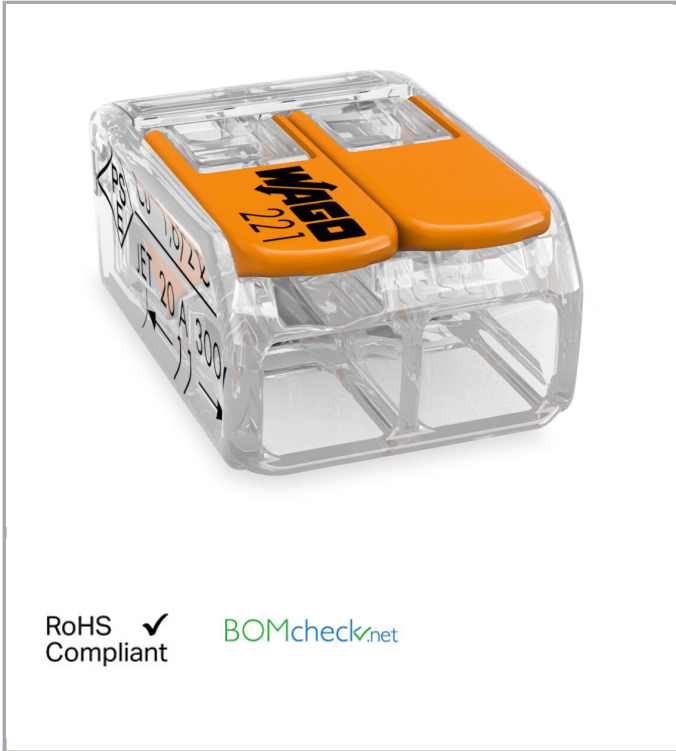


## Data sheet | Item number: 221-412

COMPACT Splicing Connector; for all conductor types; max. 4 mm<sup>2</sup>; 2-conductor; with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 4,00 mm<sup>2</sup>; transparent

[www.wago.com/221-412](http://www.wago.com/221-412)



RoHS  
Compliant ✓

[BOMcheck.net](https://www.bomcheck.net)



### Item description

Your Benefits:

—  
Subject to changes.

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.



- 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 from 0.14 to 4 mm<sup>2</sup>, as well as solid and stranded conductors from 0.2 to 4 mm<sup>2</sup> (24 ... 12 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****Ratings per IEC/EN 60664-1**

Rated voltage (II / 2)	450 V
Rated impulse voltage (II / 2)	4 kV
Rated current	32 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)	20 A

**Connection data**

Connection technology	CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper
Nominal cross section	4 mm <sup>2</sup>
Solid conductor	0.2 ... 4 mm <sup>2</sup> / 24 ... 12 AWG
Stranded conductor	0.2 ... 4 mm <sup>2</sup> / 24 ... 12 AWG
Fine-stranded conductor	0.14 ... 4 mm <sup>2</sup> / 24 ... 12 AWG
Strip length	11 mm / 0.43 inch
Total number of connection points	2
Total number of potentials	1

Subject to changes.

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Type of wiring

Side-entry wiring

### Geometrical Data

Width	13.1 mm / 0.516 inch
Height	8.3 mm / 0.327 inch
Depth	18.6 mm / 0.732 inch

### Material Data

Color	transparent
Flammability class per UL94	V2
Weight	1.6 g

### Environmental Requirements



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

### Commercial data

Product Group	7 (Push Wire Conn.)
Packaging type	BOX
Country of origin	DE
GTIN	4050821808435
Customs Tariff No.	85369010000




### Approvals / Certificates

#### Country specific Approvals



Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60998	NTR NL-7642
	CCA DEKRA Certification B.V.	EN 60998	71-101731

#### Ship Approvals

Subject to changes.





Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	-	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

### Compatible products

#### Mounting adapter

	<b>Item no.: 221-500</b> Mounting carrier; 221 Series - 4 mm <sup>2</sup> ; for DIN-35 rail mounting/screw mounting; orange	<a href="http://www.wago.com/221-500">www.wago.com/221-500</a>
	<b>Item no.: 221-500/000-006</b> Mounting carrier; 221 Series - 4 mm <sup>2</sup> ; for DIN-35 rail mounting/screw mounting; blue	<a href="http://www.wago.com/221-500/000-006">www.wago.com/221-500/000-006</a>
	<b>Item no.: 221-500/000-053</b> Mounting carrier; 221 Series - 4 mm <sup>2</sup> ; for DIN-35 rail mounting/screw mounting; dark gray-yellow	<a href="http://www.wago.com/221-500/000-053">www.wago.com/221-500/000-053</a>
	<b>Item no.: 221-502</b> Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm <sup>2</sup> ; for screw mounting; white	<a href="http://www.wago.com/221-502">www.wago.com/221-502</a>

Subject to changes.

	<b>Item no.: 221-502/000-004</b> Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; for screw mounting; black	<a href="http://www.wago.com/221-502/000-004">www.wago.com/221-502/000-004</a>
	<b>Item no.: 221-512</b> Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for horizontal mounting; white	<a href="http://www.wago.com/221-512">www.wago.com/221-512</a>
	<b>Item no.: 221-512/000-004</b> Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for horizontal mounting; black	<a href="http://www.wago.com/221-512/000-004">www.wago.com/221-512/000-004</a>
	<b>Item no.: 221-522</b> Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for vertical mounting; white	<a href="http://www.wago.com/221-522">www.wago.com/221-522</a>
	<b>Item no.: 221-522/000-004</b> Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for vertical mounting; black	<a href="http://www.wago.com/221-522/000-004">www.wago.com/221-522/000-004</a>

## Downloads

### Documentation

#### Additional Information

Technical explanations	2019/4/3	pdf 2.1 MB	Download
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## CAD/CAE-Data

### CAD data

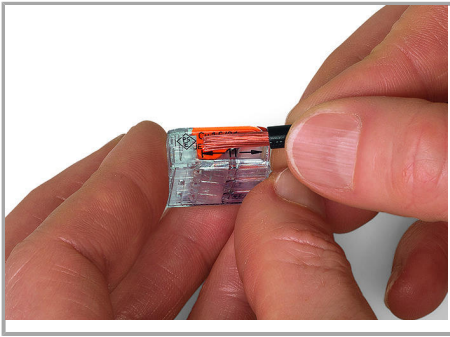
2D/3D Models 221-412	URL	Download
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### CAE data

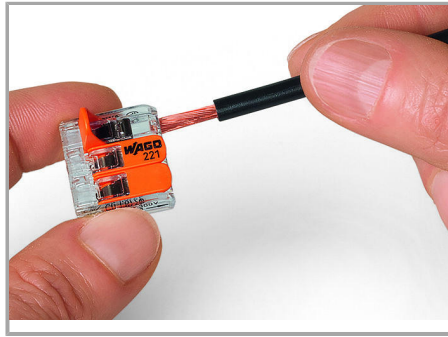
EPLAN Data Portal 221-412	Download
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## Installation Notes

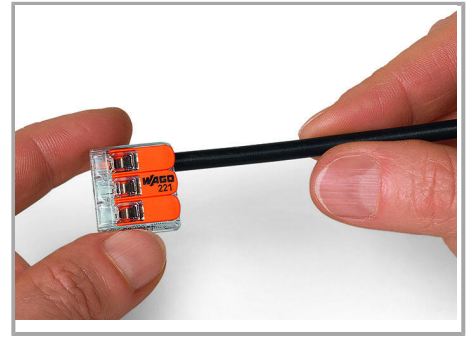
Subject to changes.



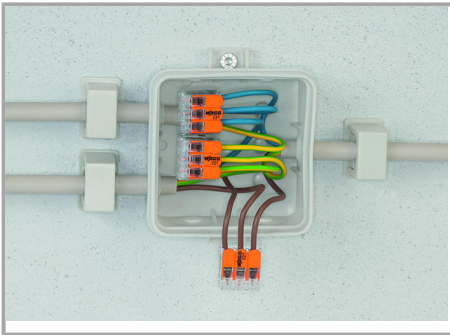
Strip conductor to 11 mm (0.43 inch).



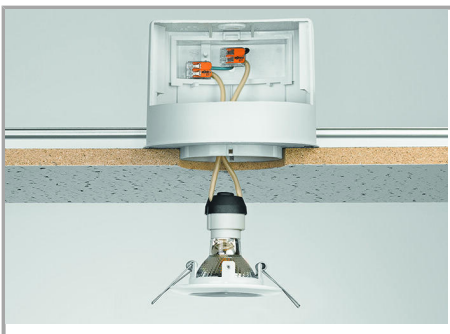
Termination: Lift the lever to open the clamping unit and insert a stripped conductor.



Then, lower the lever to close the clamp.



Wiring fine-stranded conductors in a junction box.



Custom low-voltage lighting system

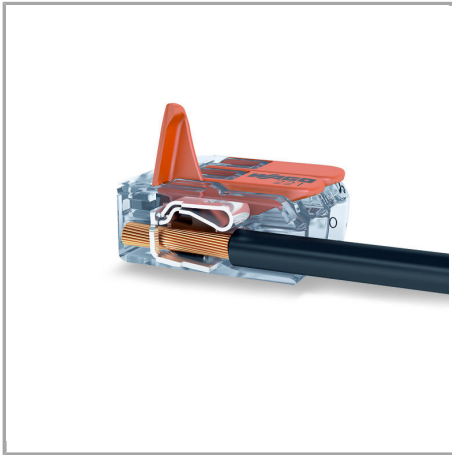


Lighting distribution in ceiling canopy



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.