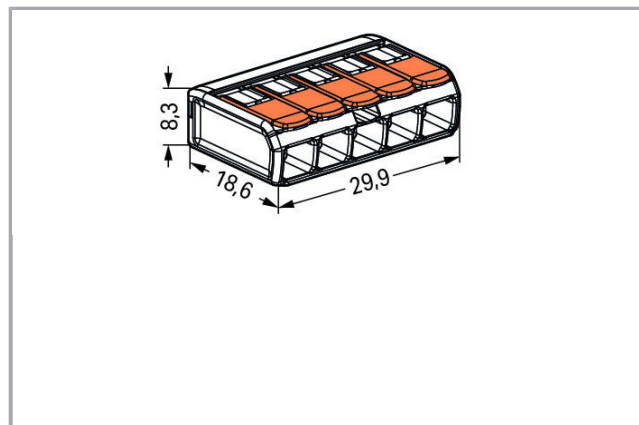


## Fișă tehnică | Număr articol: 221-415

COMPACT Splicing Connector; for all conductor types; max. 4 mm<sup>2</sup>; 5-conductor; with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 4,00 mm<sup>2</sup>; transparent

[www.wago.com/221-415](http://www.wago.com/221-415)



RoHS  Compliant

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



### Descriere articol

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 0.14 to 4 mm<sup>2</sup>

Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
/Representative Office Romania  
Sos. Pipera-Tunari nr. 1/1  
building 1, 2nd floor | 077190 Voluntari, Ilfov  
Tel.: +40-(0)31 421 85 68 | Email: [info-RO@wago.com](mailto:info-RO@wago.com)

Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



- Connect solid, stranded and fine-stranded conductors
- 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

**Date****Electrical data****Ratings per IEC/EN 60664-1**

Ratings per	EN 60664
Nominal voltage (II/2)	450 V
Rated surge voltage (II/2)	4 kV
Rated current	32 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)	20 A
Approvals per	UL 486C

**Connection data**

Connection technology	CAGE CLAMP <sup>®</sup>
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	5
Total number of potentials	1

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Aveți întrebări despre produsele noastre?  
 Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

Wiring type

Side-entry wiring

### Geometrical Data

Width	29,9 mm / 1.177 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	4 g

### Environmental Requirements



Surrounding air temperature (operation)	85 °C
Continuous operating temperature	105 °C
Temperature marking per EN 60998	T85

### Commercial data

Product Group	7 (Push Wire Conn.)
Packaging type	BOX
Country of origin	DE
GTIN	4055143234658
Customs tariff number	85369010000

### Aprobări / certificate

#### Country specific Approvals




Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	CCA DEKRA Certification B.V.	EN 60998	NTR NL-7642
	CCA DEKRA Certification B.V.	EN 60998	71-101731

#### Ship Approvals



Supus modificărilor.

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/Representative Office Romania  
Sos. Pipera-Tunari nr. 1/1  
building 1, 2nd floor | 077190 Voluntari, Ilfov  
Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	<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

Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	<b>UL</b> Underwriters Laboratories Inc.	UL 467	E201573
	<b>UL</b> Underwriters Laboratories Inc.	UL 486C	E69654

### Counterpart

### Produse compatibile







#### Mounting adapter

	<b>Nr. articol: 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>Nr. articol: 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>Nr. articol: 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>

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building 1, 2nd floor | 077190 Voluntari, Ilfov  
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Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

	<b>Nr. articol: 221-505</b> Mounting carrier; for 5-conductor terminal blocks; 221 Series - 4 mm <sup>2</sup> ; for screw mounting; white	<a href="http://www.wago.com/221-505">www.wago.com/221-505</a>
	<b>Nr. articol: 221-505/000-004</b> Mounting carrier; for 5-conductor terminal blocks; 221 Series - 4 mm <sup>2</sup> ; for screw mounting; black	<a href="http://www.wago.com/221-505/000-004">www.wago.com/221-505/000-004</a>
	<b>Nr. articol: 221-515</b> Mounting carrier; for 5-conductor terminal blocks; 221 Series - 4 mm <sup>2</sup> ; with snap-in mounting foot for horizontal mounting; white	<a href="http://www.wago.com/221-515">www.wago.com/221-515</a>
	<b>Nr. articol: 221-515/000-004</b> Mounting carrier; for 5-conductor terminal blocks; 221 Series - 4 mm <sup>2</sup> ; with snap-in mounting foot for horizontal mounting; black	<a href="http://www.wago.com/221-515/000-004">www.wago.com/221-515/000-004</a>
	<b>Nr. articol: 221-525</b> Mounting carrier; for 5-conductor terminal blocks; 221 Series - 4 mm <sup>2</sup> ; with snap-in mounting foot for vertical mounting; white	<a href="http://www.wago.com/221-525">www.wago.com/221-525</a>
	<b>Nr. articol: 221-525/000-004</b> Mounting carrier; for 5-conductor terminal blocks; 221 Series - 4 mm <sup>2</sup> ; with snap-in mounting foot for vertical mounting; black	<a href="http://www.wago.com/221-525/000-004">www.wago.com/221-525/000-004</a>

## Descărcări

### Documentation

#### Additional Information

Technical explanations	Apr 3, 2019	pdf 2,1 MB	Descărcare
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### CAD/CAE-Data

#### CAD data

2D/3D Models 221-415	URL	Descărcare
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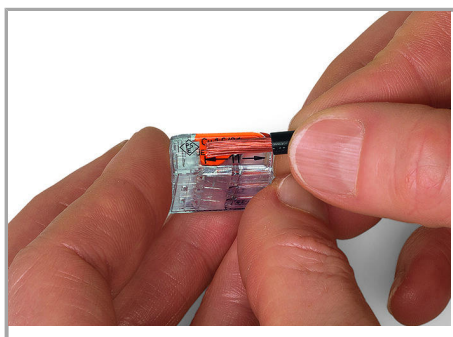
#### CAE data

EPLAN Data Portal 221-415	URL	Descărcare
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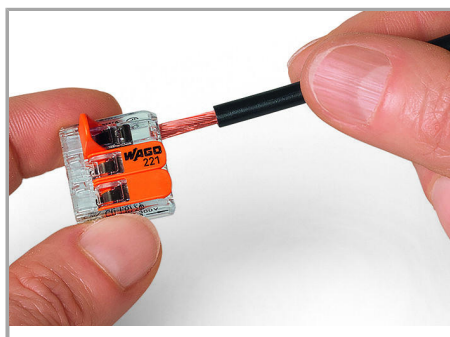
## Installation Notes

### Conductor termination

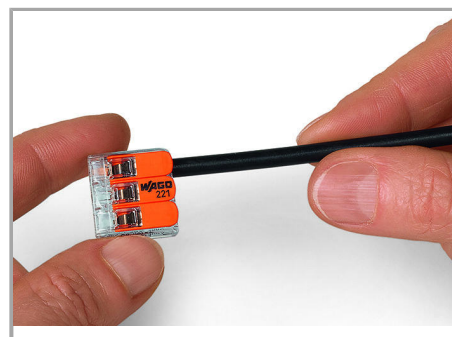
Supus modificărilor.



Strip conductor to 11 mm (0.43 inch).

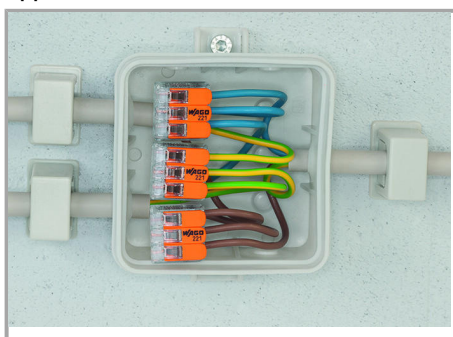


Termination: Lift the lever to open the clamping unit and insert a stripped conductor.

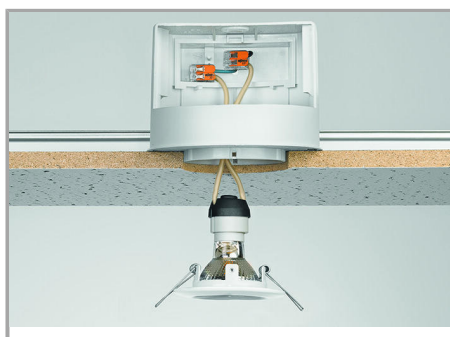


Then, lower the lever to close the clamp.

### Application



Wiring fine-stranded conductors in a junction box.



Custom low-voltage lighting system

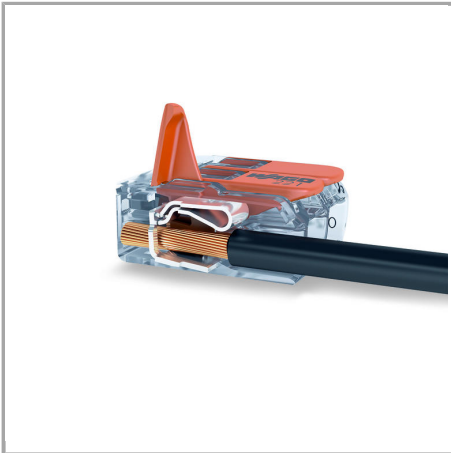


Lighting distribution in ceiling canopy



Pendant light connection in suspended ceilings

Supus modificărilor.



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

Supus modificărilor.



**Compact, lever-operated splicing connectors:**

Tool-free connection of up to five stripped, fine-stranded conductors from 0.14 ... 4 mm<sup>2</sup>, as well as solid or stranded conductors from 0.2 ... 4 mm<sup>2</sup> (24 ... 12 AWG).

**How these work:**

Pull up one of the orange operating levers to open the clamping unit. Then insert the conductor and push the lever back down, flush with the connector housing.

**Safety:**

The specially designed rest position of the lever reliably prevents accidental unclamping of a connected conductor.

Application safety, for any type of conductor (solid, stranded, fine-stranded), is confirmed by approvals like ENEC or UL.

Supus modificărilor.