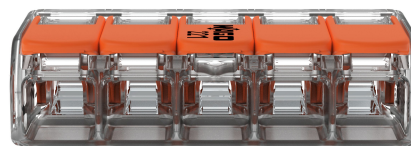
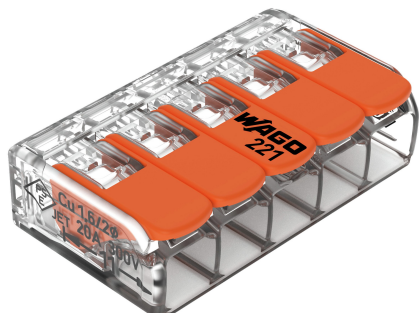


## Data Sheet | Item Number: 221-415

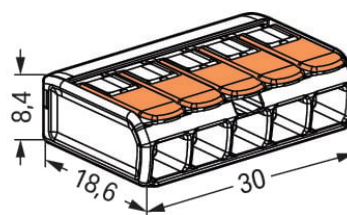
COMPACT Splicing Connector; for all conductor types; max. 4 mm<sup>2</sup>; 5-conductor; with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 4,00 mm<sup>2</sup>; transparent



<https://www.wago.com/221-415>



Color:  transparent



Dimensions in mm

### 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>
- Connect solid, stranded and fine-stranded conductors
- Save time for installers and device manufacturers
- Quickly install devices with higher power consumption
- Safely install long cable runs with larger conductor cross sections
- Mounting carrier for installation conforms to standards
- Custom carriers are possible

## Notes

Safety information 1	in grounded power lines
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## 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	32 A
Legend (ratings)	(II / 2) $\hat{=}$ Overvoltage category II / Pollution degree 2

## Ratings per UL 1059

Approvals per	UL 486C
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	20 A

## Connection data

Connection points	5
Total number of potentials	1

## Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper
Fine-stranded conductor	0.14 ... 4 mm <sup>2</sup> / 24 ... 12 AWG
Wiring direction	Side-entry wiring

## Material Data

Note (material data)

[Information on material specifications can be found here](#)

Color	transparent
Insulation material	Polycarbonate (PC)
Flammability class per UL94	V2
Fire load	0.089 MJ
Actuator color	orange
Weight	4 g

## Environmental requirements

Temperature marking per EN 60998	T85
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## Commercial data

Product Group	7 (Push Wire Conn.)
eCl@ss 10.0	27-14-11-04
eCl@ss 9.0	27-14-11-04
ETIM 8.0	EC000446
ETIM 7.0	EC000446
PU (SPU)	250 (25) pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143234658
Customs tariff number	85369010000

## Approvals / Certificates

### General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60998	NTR NL-7827
ENEC 05 DEKRA Certification B.V.	EN 60998	71-113253 REV.1
UL_Listed_64KA UL International Germany GmbH	UL 467	E201573
UL UL International Germany GmbH	UL 486C	E69654

### Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	18-HG1755093-PDA
DNV GL Det Norske Veritas, Germanischer Lloyd	EN 60998	TAE000015T
LR Lloyds Register	EN 60998	LR22207029TA

## Downloads

### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 221-415



## Documentation

### Bid Text

221-415	19.02.2019	xml 3.43 KB	
221-415	23.01.2019	docx 15.31 KB	
ausschreiben.de 221-415			

## CAD/CAE-Data

### CAD data

2D/3D Models 221-415



### CAE data

EPLAN Data Portal  
221-415



ZUKEN Portal 221-415



## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 General accessories

1.1.1.1 Empty housings



**Item No.: 207-4301**  
 Junction box; Branch; for multicore cables; 221 Series; max. 4 mm<sup>2</sup> connectors; without splicing connectors; white

1.1.1.2 Moisture protection



**Item No.: 207-1332**  
 Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm<sup>2</sup> connectors; without splicing connectors; Size 2; gray

1.1.2 Jumper

1.1.2.1 Jumper



**Item No.: 221-941/000-006**  
 Jumper; for conductor entry; 2-way; insulated; blue



**Item No.: 221-942/000-006**  
 Jumper; for conductor entry; 2-way; insulated; blue



**Item No.: 221-941**  
 Jumper; for conductor entry; 2-way; insulated; dark gray



**Item No.: 221-942**  
 Jumper; for conductor entry; 2-way; insulated; dark gray

1.1.3 Mounting adapter

1.1.3.1 Mounting accessories



**Item No.: 221-500/000-006**  
 Mounting carrier; 221 Series - 4 mm<sup>2</sup>; for DIN-35 rail mounting/screw mounting; blue



**Item No.: 221-500/000-053**  
 Mounting carrier; 221 Series - 4 mm<sup>2</sup>; for DIN-35 rail mounting/screw mounting; dark gray-yellow



**Item No.: 221-500**  
 Mounting carrier; 221 Series - 4 mm<sup>2</sup>; for DIN-35 rail mounting/screw mounting; orange



**Item No.: 221-505/000-004**  
 Mounting carrier; for 5-conductor terminal blocks; 221 Series - 4 mm<sup>2</sup>; for screw mounting; black



**Item No.: 221-505**  
 Mounting carrier; for 5-conductor terminal blocks; 221 Series - 4 mm<sup>2</sup>; for screw mounting; white



**Item No.: 221-515/000-004**  
 Mounting carrier; for 5-conductor terminal blocks; 221 Series - 4 mm<sup>2</sup>; with snap-in mounting foot for horizontal mounting; black



**Item No.: 221-515**  
 Mounting carrier; for 5-conductor terminal blocks; 221 Series - 4 mm<sup>2</sup>; with snap-in mounting foot for horizontal mounting; white



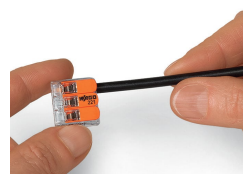
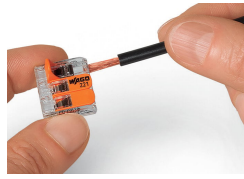
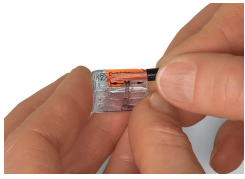
**Item No.: 221-525/000-004**  
 Mounting carrier; for 5-conductor terminal blocks; 221 Series - 4 mm<sup>2</sup>; with snap-in mounting foot for vertical mounting; black



**Item No.: 221-525**  
 Mounting carrier; for 5-conductor terminal blocks; 221 Series - 4 mm<sup>2</sup>; with snap-in mounting foot for vertical mounting; white

## Installation Notes

### Conductor termination

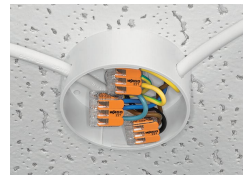
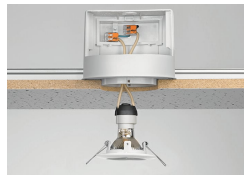
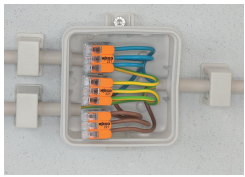


Strip conductor to 11 mm (0.43 inch).

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

Then, lower the lever to close the clamp.

### Application



Wiring fine-stranded conductors in junction boxes.

Custom low-voltage lighting system

Lighting distribution in a ceiling canopy

Pendant light connection in a suspended ceiling



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



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 they work:

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

Safety:

The lever's specially designed rest position 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.

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

Current addresses can be found at: [www.wago.com](http://www.wago.com)