

## Data Sheet | Item Number: 221-413/995-012

Splicing connector with levers; for all conductor types; max. 4 mm<sup>2</sup>; 3-conductor; with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 4,00 mm<sup>2</sup>; transparent



<https://www.wago.com/221-413/995-012>



Color:  transparent

### Ihre Vorteile:

- Einfache Handhabung: Hebel auf, Leiter rein, Hebel zu
- Als 2-, 3- und 5-Leiter-Klemmen erhältlich
- Komfortabler Leiteranschluss von 0,14 bis 4 mm<sup>2</sup>
- Installation von ein-, fein- und mehrdrähtiger Leiter
- Zeitersparnis für Installateure und Gerätehersteller
- Schnelle Installation von Geräten mit höherem Leistungsbedarf
- Sichere Verlegung langer Leitungen mit größeren Leiterquerschnitten
- Befestigungsadapter für normgerechte Installation
- Individuelle Fixierungen möglich

### This item includes:



Item No.: 221-413

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### Notes

Sicherheitshandhabungshinweis

**NOTICE: Observe installation and safety instructions!**

- **Only to be used by electricians!**
- Do not work under voltage/load!
- Use only for proper use!
- Observe national regulations/standards/guidelines!
- Observe technical specifications for the products!
- Observe the number of permissible potentials!
- Do not use damaged/dirty components!
- Observe conductor types, cross-sections and strip lengths!
- Insert conductor until it hits the product's backstop!
- Use original accessories!

**To be sold only with installation instructions!**

Safety information

in grounded power lines

## 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) ≙ Overvoltage category II / Pollution degree 2

### Ratings per UL

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

## Connection data

Connection points	3
Total number of potentials	1

### Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper
Nominal cross-section	4 mm <sup>2</sup> / 12 AWG
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 inches
Wiring direction	Side-entry wiring

## Physical data

Width	18.8 mm / 0.74 inches
Height	8.4 mm / 0.331 inches
Depth	18.8 mm / 0.732 inches

## Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	transparent
Insulation material	Polycarbonate (PC)
Flammability class per UL94	V2
Fire load	0.064 MJ
Actuator color	orange
Weight	2.5 g

## Environmental requirements

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

**Commercial data**

PU (SPU)	216 (12) pcs
Country of origin	DE
GTIN	4066966001907
Customs tariff number	85369010000

**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
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**Downloads**

**Environmental Product Compliance**

<b>Compliance Search</b>	
Environmental Product Compliance 221-413/995-012	

**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.: 207-1331**  
 Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm<sup>2</sup> connectors; without splicing connectors; Size 1; gray



**Item No.: 207-1333**  
 Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm<sup>2</sup> connectors; without splicing connectors; Size 3; 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.: 221-503**

Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm<sup>2</sup>; for screw mounting; white



**Item No.: 221-523**

Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm<sup>2</sup>; with snap-in mounting foot for vertical mounting; white



**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.: 221-513/000-004**

Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm<sup>2</sup>; with snap-in mounting foot for horizontal mounting; black



**Item No.: 221-500**

Mounting carrier; 221 Series - 4 mm<sup>2</sup>; for DIN-35 rail mounting/screw mounting; orange



**Item No.: 221-513**

Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm<sup>2</sup>; with snap-in mounting foot for horizontal mounting; white



**Item No.: 221-503/000-004**

Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm<sup>2</sup>; for screw mounting; black

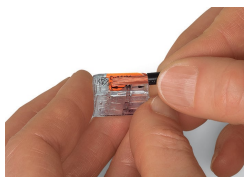


**Item No.: 221-523/000-004**

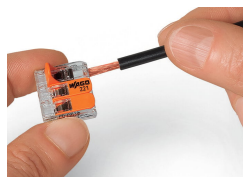
Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm<sup>2</sup>; with snap-in mounting foot for vertical mounting; black

### Installation Notes

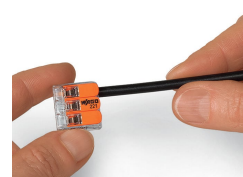
#### Conductor termination



Strip conductor to 11 mm (0.43 inch).



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.



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

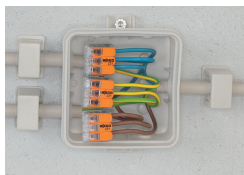
Tool-free connection of fine-stranded conductors from 0.14 ... 4 mm<sup>2</sup>, as well as solid or stranded conductors from 0.2 ... 4 mm<sup>2</sup> (24 ... 12 AWG).

**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.

### 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