

**Data Sheet | Item Number: 221-625**

Splicing connector with levers; for all conductor types; max. 6 mm<sup>2</sup>; 5-conductor; transparent housing; Surrounding air temperature: max 85°C (T85); 6,00 mm<sup>2</sup>; transparent

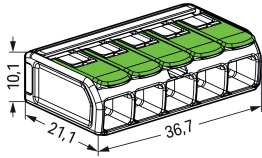


<https://www.wago.com/221-625>



Color:  transparent





### Splicing connector with levers, 221 Series, CAGE CLAMP®

Effortless electrical installations are guaranteed with splicing connector with levers (item number 221-625). From wiring intercom systems to installing electrical ovens, connecting different conductor types is quick and hassle-free with WAGO's compact 221 Series splicing connector, which allows you to quickly and safely connect different types of conductors. Ensure that the strip lengths are between 12 and 14 mm when connecting conductors to splicing connector with levers. Rated current and voltage are important parameters when selecting a splicing connector, as they determine the product's suitability for different applications. This product has a rated voltage of 450 V and a rated current of 41 A, making it suitable for high-load applications. This product incorporates conductor terminals and utilizes CAGE CLAMP®. Our CAGE CLAMP® connection offers a convenient and maintenance-free way to connect all types of conductors. You do not need to prepare the conductor in any way, such as crimping ferrules. Dimensions: (36.7 x 10.1 x 21.1) mm (width x height x depth). Depending on the conductor type, splicing connector with levers is ideal for conductor cross sections ranging from 0.5 mm<sup>2</sup> to 6 mm<sup>2</sup>.

WAGO's 221 Series Splicing Connector with levers impresses with its innovative design for different conductor cross-sections. That's why WAGO's lever-equipped splicing connector holds a unique trademark within electrical interconnection technology. The flat levers, which fit seamlessly into the 221's base, act like a cast when closed and can be positioned neatly in any housing without disturbing edges. Due to the wide design of each lever, they can all be operated perfectly without tools for convenient conductor terminations. The transparent housing displays robust technology and enables immediate visual inspection for the correct contact of solid, stranded and fine-stranded conductors. Resembling piano keys, the levers' design perfectly combines the functional and aesthetic connection technology "Made by WAGO."

In addition to regranulate, the new Green Range Splicing Connector with levers consists of 77% bio-circular PC (housing) and at least 27% recycled PBT (levers). This product is designed for specific Ex applications (please refer to the product datasheet).

## Notes

General safety information

**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	EN 60664		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	450 V
Rated impulse withstand voltage	-	-	4 kV
Rated current	-	-	41 A

Approvals per	UL 486C		
Use group	B	C	D
Rated voltage	-	600 V	-
Rated current	-	30 A	-

## General information

Wiring direction	Side-entry wiring
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## Connection Data

Clamping units	5
Total number of potentials	1

### Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper
Nominal cross-section	6 mm <sup>2</sup> / 10 AWG
Solid conductor	0.5 ... 6 mm <sup>2</sup> / 20 ... 10 AWG
Stranded conductor	0.5 ... 6 mm <sup>2</sup> / 20 ... 10 AWG
Fine-stranded conductor	0.5 ... 6 mm <sup>2</sup> / 20 ... 10 AWG
Strip length	12 ... 14 mm / 0.47 ... 0.55 inches
Wiring direction	Side-entry wiring

## Physical data

Width	36.7 mm / 1.445 inches
Height	10.1 mm / 0.398 inches
Depth	21.1 mm / 0.831 inches

## Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	transparent
Cover color	transparent
Material group	IIIa
Housing material	bio-circular PC
Insulation material (main housing)	Polycarbonate (PC)
Insulation material (actuator)	Bio-circular PBT
Flammability class per UL94	V2
Fire load	0.152 MJ
Actuator color	green
Weight	7.1 g

### Environmental requirements

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

### Commercial data

PU (SPU)	150 (15) pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966613148
Customs tariff number	85369010000

### Product Classification

UNSPSC	39121409
ETIM 9.0	EC000446
ETIM 10.0	EC000446
ECCN	NO US CLASSIFICATION

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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### Approvals / Certificates

#### General approvals



Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 60998	NL-114612
cULus_Listed_667F Underwriters Laboratories Inc.	UL 486C	E69654
ENEC 05 DEKRA Certification B.V.	EN 60998	71-152265

### Downloads

#### Environmental Product Compliance

##### Compliance Search

Environmental Product  
Compliance 221-625



## CAD/CAE-Data

### CAD data

2D/3D Models 221-625



## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 General accessories

##### 1.1.1.1 Moisture protection



**Item No.:** [207-1432](#)

Gelbox; Branch; for cables; with gel; 221 Series; max. 6 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.:** [221-510/000-006](#)

Mounting carrier; 221 Series - 6 mm<sup>2</sup>; for DIN-35 rail mounting/screw mounting; blue



**Item No.:** [221-510/000-053](#)

Mounting carrier; 221 Series - 6 mm<sup>2</sup>; for DIN-35 rail mounting/screw mounting; dark gray-yellow



**Item No.:** [221-510](#)

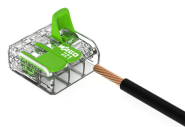
Mounting carrier; 221 Series - 6 mm<sup>2</sup>; for DIN-35 rail mounting/screw mounting; orange

## Installation Notes

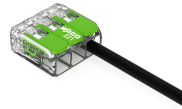
### Conductor termination



Strip conductor to 13 mm



Open the clamping point by operating the lever. Inserting the conductor



Close the lever

## Testing



Testing via test slot

## Application



Connection of a wallbox / bicycle charging station