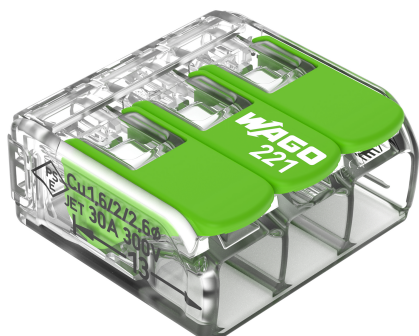


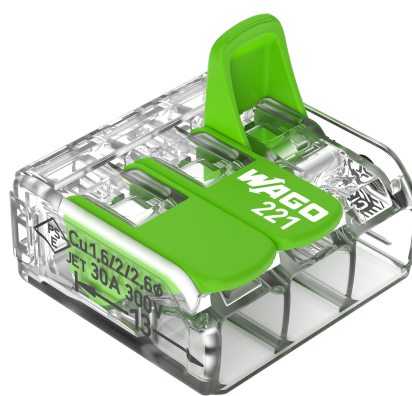
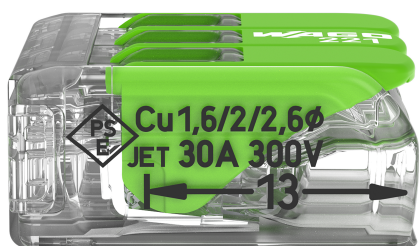
Data Sheet | Item Number: 221-623

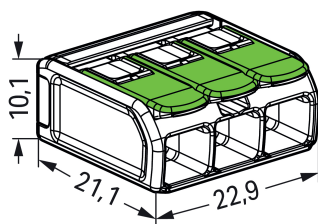
Splicing connector with levers; for all conductor types; max. 6 mm²; 3-conductor;
transparent housing; Surrounding air temperature: max 85°C (T85); 6,00 mm²; trans-
parent

<https://www.wago.com/221-623>



Color: ☐ transparent







Your Benefits:

- Plastics made in part from post-consumer recycled material (e.g. recycled PET bottles) and bio-based residues from industries, households, agriculture and wastewater treatment
- Reduced consumption of fossil resources
- 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 0.5 to 6 mm²
- Connect solid, stranded and fine-stranded conductors
- Time savings 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	
General safety instructions	<div>NOTICE: Observe installation and safety instructions!</div> <div><ul style="list-style-type: none">• 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!</div> <div>To be sold only with installation instructions!</div>
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 surge voltage	-	-	4 kV				
Rated current	-	-	41 A				

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

Connection data							
Clamping units	3						
Total number of potentials	1						

Connection 1	
Connection technology	CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper
Nominal cross-section	6 mm² / 10 AWG
Solid conductor	0.5 ... 6 mm² / 20 ... 10 AWG
Stranded conductor	0.5 ... 6 mm² / 20 ... 10 AWG
Fine-stranded conductor	0.5 ... 6 mm² / 20 ... 10 AWG
Strip length	12 ... 14 mm / 0.47 ... 0.55 inches
Wiring direction	Side-entry wiring

Physical data	
Width	22.9 mm / 0.902 inches
Height	10.1 mm / 0.398 inches
Depth	21.1 mm / 0.831 inches

Material data	
Note (material data)	Information on material specifications can be found here
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	0.105 MJ
Actuator color	green
Weight	4.4 g

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



Commercial data	
PU (SPU)	300 (30) pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966613315
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

1 Compatible Products

1.1 Optional Accessories

1.1.1 General accessories

1.1.1.1 Moisture protection



[Item No.: 207-1431](#)
Gelbox; Branch; for cables; with gel; 221 Series; max. 6 mm² connectors; without splicing connectors; Size 1; gray



[Item No.: 207-1433](#)
Gelbox; Branch; for cables; with gel; 221 Series; max. 6 mm² 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.: 221-510/000-006](#)
Mounting carrier; 221 Series - 6 mm²; for DIN-35 rail mounting/screw mounting; blue



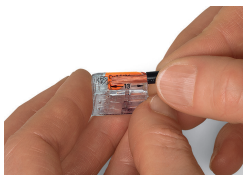
[Item No.: 221-510/000-053](#)
Mounting carrier; 221 Series - 6 mm²; for DIN-35 rail mounting/screw mounting; dark gray-yellow



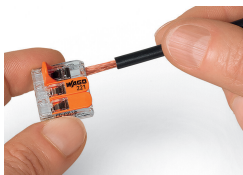
[Item No.: 221-510](#)
Mounting carrier; 221 Series - 6 mm²; for DIN-35 rail mounting/screw mounting; orange

Installation Notes

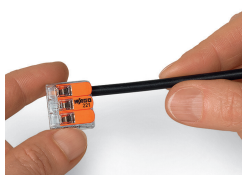
Conductor termination



Strip conductor to 12 ... 14 mm.

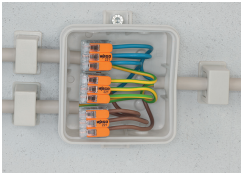


Termination: Lift the lever to open the clamping unit and insert a stripped conductor.



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 (6 mm²), 221 Series