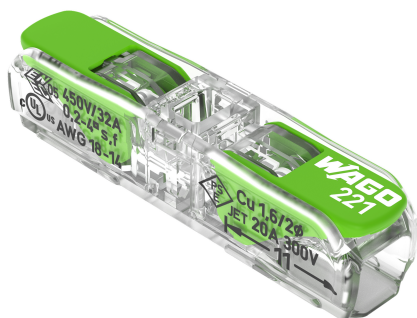


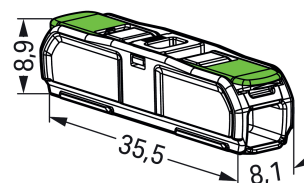
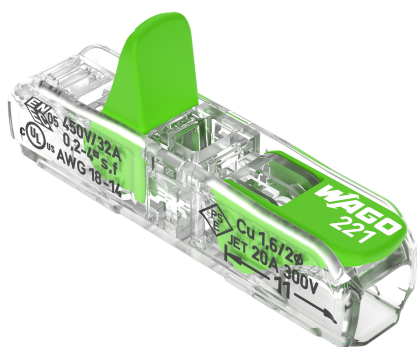
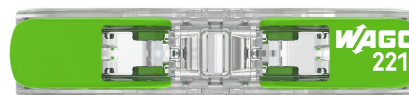
## Data Sheet | Item Number: 221-2431

Inline splicing connector with levers; for all conductor types; max. 4 mm<sup>2</sup>; 2-conductor; transparent housing; Transparent cover; Surrounding air temperature: max 85°C (T85); transparent

<https://www.wago.com/221-2431>



Color: ☐ transparent



Dimensions in mm

This connector is suitable for worldwide installations.

- 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
- Inline connection of solid, stranded and fine-stranded conductors from 0.2 to 4 mm<sup>2</sup> (24–16 AWG)
- Slim design saves space in tight areas
- Tool-free connection and disconnection thanks to convenient lever technology
- Use a mounting carrier for fixed and multi-pole wiring



Notes	
General safety instructions	<div><b>NOTICE: Observe installation and safety instructions!</b></div> <div><ul style="list-style-type: none"><li>• <b>Only to be used by electricians!</b></li><li>• Do not work under voltage/load!</li><li>• Use only for proper use!</li><li>• Observe national regulations/standards/guidelines!</li><li>• Observe technical specifications for the products!</li><li>• Observe the number of permissible potentials!</li><li>• Do not use damaged/dirty components!</li><li>• Observe conductor types, cross-sections and strip lengths!</li><li>• Insert conductor until it hits the product's backstop!</li><li>• Use original accessories!</li></ul></div> <div><b>To be sold only with installation instructions!</b></div>

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	-	-	32 A

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

Connection data	
Clamping units	2

Connection 1	
Connection technology	CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper
Nominal cross-section	4 mm² / 14 AWG
Solid conductor	0.2 ... 4 mm² / 20 ... 14 AWG
Stranded conductor	0.2 ... 2.5 mm² / 18 ... 14 AWG
Fine-stranded conductor	0.2 ... 4 mm² / 18 ... 14 AWG
Strip length	11 mm / 0.43 inches

Physical data	
Width	8.1 mm / 0.319 inches
Height	8.9 mm / 0.35 inches
Depth	35.5 mm / 1.398 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	0.068 MJ
Actuator color	green
Weight of insulation material	0.84 g
Weight	2.3 g



Environmental requirements	
Continuous operating temperature	-60 ... +105 °C
Commercial data	
PU (SPU)	600 (60) pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966613261
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.: 207-1375

Gelbox; Durchgangsverbindung; für Aderleitungen; mit Gel; Serie 221, max. 4mm<sup>2</sup>-Klemmen; ohne Verbindungsklemmen; Größe 3; grau



Item No.: 207-1372

Gelbox; inline connection; for cables; with gel; 221 Series; max. 4 mm<sup>2</sup> connectors; without splicing connectors; Size 1; gray



Item No.: 207-1373

Gelbox; inline connection; for cables; with gel; 221 Series; max. 4 mm<sup>2</sup> connectors; without splicing connectors; Size 2; gray

1.1.2 Installation
1.1.2.1 Mounting accessories



Item No.: 221-2501

Mounting carrier with strain relief; 1-way; for inline splicing connector with lever; for screw mounting; gray



Item No.: 221-2511

Mounting carrier with strain relief; 1-way; for inline splicing connector with lever; with snap-in mounting foot; gray



Item No.: 221-2502

Mounting carrier with strain relief; 2-way; for inline splicing connector with lever; for screw mounting; gray



Item No.: 221-2512

Mounting carrier with strain relief; 2-way; for inline splicing connector with lever; with snap-in mounting foot; gray



Item No.: 221-2503

Mounting carrier with strain relief; 3-way; for inline splicing connector with lever; for screw mounting; gray



Item No.: 221-2513

Mounting carrier with strain relief; 3-way; for inline splicing connector with lever; with snap-in mounting foot; gray



Item No.: 221-2504

Mounting carrier with strain relief; 4-way; for inline splicing connector with lever; for screw mounting; gray



Item No.: 221-2514

Mounting carrier with strain relief; 4-way; for inline splicing connector with lever; with snap-in mounting foot; gray



Item No.: 221-2505

Mounting carrier with strain relief; 5-way; for inline splicing connector with lever; for screw mounting; gray



Item No.: 221-2515

Mounting carrier with strain relief; 5-way; for inline splicing connector with lever; with snap-in mounting foot; gray



Item No.: 221-2521

Mounting carrier; 1-way; for inline splicing connector with lever; for screw mounting; gray



Item No.: 221-2531

Mounting carrier; 1-way; for inline splicing connector with lever; with snap-in mounting foot; gray



Item No.: 221-2522

Mounting carrier; 2-way; for inline splicing connector with lever; for screw mounting; gray



Item No.: 221-2532

Mounting carrier; 2-way; for inline splicing connector with lever; with snap-in mounting foot; gray



Item No.: 221-2523

Mounting carrier; 3-way; for inline splicing connector with lever; for screw mounting; gray



Item No.: 221-2533

Mounting carrier; 3-way; for inline splicing connector with lever; with snap-in mounting foot; gray



1.1.2.1 Mounting accessories



**Item No.: 221-2524**  
Mounting carrier; 4-way; for inline splicing connector with lever; for screw mounting; gray



**Item No.: 209-123**  
Mounting foot with screw; can be screwed on terminal blocks with fixing flange; 6.4 mm wide; gray



**Item No.: 221-2534**  
Mounting carrier; 4-way; for inline splicing connector with lever; with snap-in mounting foot; gray



**Item No.: 209-1116**  
Mounting foot with screw; for DIN-15 rail; can be screwed on terminal blocks with fixing flange; 6.5 mm wide; gray



**Item No.: 221-2525**  
Mounting carrier; 5-way; for inline splicing connector with lever; for screw mounting; gray



**Item No.: 209-120**  
Mounting foot; can be snapped on terminal blocks with snap-in mounting foot; for mounting on relay-modules; 6.4 mm wide; gray



**Item No.: 221-2535**  
Mounting carrier; 5-way; for inline splicing connector with lever; with snap-in mounting foot; gray



**Item No.: 209-1115**  
Mounting foot; for DIN-15 rail; can be snapped on terminal blocks with snap-in mounting foot; 6.5 mm wide; gray

1.1.3 Marking

1.1.3.1 Marking strip



**Item No.: 210-834**  
Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

Installation Notes

Conductor termination



Push up the lever to open the clamping unit and insert the conductor.



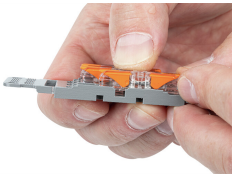
Push the lever back down.

Testing

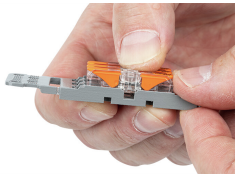


Testing via test slot.

Installation



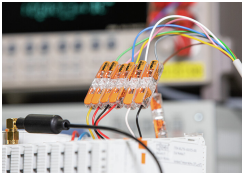
Place the inline splicing connector on the carrier in front of the mounting position.



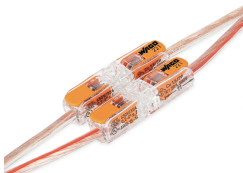
Push the connector to the center position until it snaps into place.



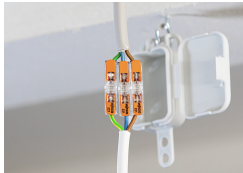
Application



Perfect for test setups



Simple extension of lines



Lighting connection in suspended ceilings



Multi-pole, fixed lighting fixture wiring