

**Data Sheet | Item Number: 221-2411/995-012**

Inline splicing connector with levers; for all conductor types; max. 4 mm²; 2-conductor; transparent housing; Transparent cover; Surrounding air temperature: max 85°C (T85); 4,00 mm²; transparent

<https://www.wago.com/221-2411/995-012>



Color: ☐ transparent

**Inline splicing connector with levers, 221 Series, CAGE CLAMP®**

Error-free electrical installations are guaranteed with inline splicing connector with levers (item number 221-2411/995-012). 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. Conductors can only be connected to inline splicing connector with levers if their strip length is 11 mm . Rated current and voltage are important parameters when selecting a splicing connector, as they indicate how the product can be used. This product has a rated voltage of 450 V and a rated current of 32 A, making it suitable for high-load applications. This product features conductor terminals and utilizes CAGE CLAMP®. Our CAGE CLAMP® connection provides a safe 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. The dimensions are (8.1 x 8.9 x 35.5) mm (width x height x depth). Depending on the conductor type, inline splicing connector with levers is suitable for conductor cross sections ranging from 0.2 mm² to 4 mm².

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."

Notes	
General safety information	<div><b>NOTICE: Observe installation and safety instructions!</b><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><b>To be sold only with installation instructions!</b></div>



Electrical data						
Ratings per		EN 60664			Ratings per UL	
Overvoltage category	III	III	II		Rated voltage UL (Use Group C)	600 V
Pollution degree	3	2	2		Rated current UL (Use Group C)	20 A
Nominal voltage	-	-	450 V			
Rated impulse withstand voltage	-	-	4 kV			
Rated current	-	-	32 A			

Connection data						
Clamping units	2				Connection 1	
					Connection technology	CAGE CLAMP®
					Actuation type	Lever
					Connectable conductor materials	Copper
					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
Insulation material (main housing)	Polycarbonate (PC)
Flammability class per UL94	V2
Fire load	0.056 MJ
Actuator color	orange
Weight of insulation material	0.84 g
Weight	2.3 g

Environmental requirements	
Continuous operating temperature	-60 ... +105 °C

Commercial data	
PU (SPU)	216 (12) pcs
Packaging type	Blister foil
Country of origin	DE
GTIN	4066966222210
Customs tariff number	85369010000



Product Classification	
UNSPSC	39121409
ETIM 9.0	EC000446
ETIM 8.0	EC000446
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 221-2411/995-012



1 Compatible Products

1.1 Optional Accessories

1.1.1 General accessories

1.1.1.1 Moisture protection



[Item No.: 207-1372](#)  
Gelbox; inline connection; for cables; with gel; 221 Series; max. 4 mm² connectors; without splicing connectors; Size 1; gray



[Item No.: 207-1373](#)  
Gelbox; inline connection; for cables; with gel; 221 Series; max. 4 mm² connectors; without splicing connectors; Size 2; gray



[Item No.: 207-1375](#)  
Gelbox; inline connection; for cables; with gel; 221 Series; max. 4 mm² connectors; without splicing connectors; Size 3; 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.: 221-2534**  
Mounting carrier; 4-way; for inline splicing connector with lever; with snap-in mounting foot; gray



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



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