

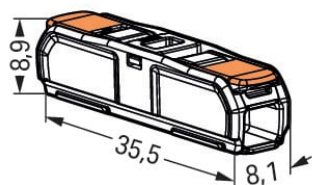
Data Sheet | Item Number: 221-2411

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>



Color: ☐ transparent



rated current 32 A

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	
Safety management note	<div>NOTICE: Observe installation and safety instructions!<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!To be sold only with installation instructions!</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 / 12 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)	Information on material specifications can be found here
Color	transparent
Cover color	transparent
Material group	IIa
Insulation material (main housing)	Polycarbonate (PC)
Flammability class per UL94	V2
Fire load	0.058 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	
ETIM 9.0	EC000446
ETIM 8.0	EC000446
PU (SPU)	600 (60) pcs
Packaging type	Box
Country of origin	CH
GTIN	4066966102666
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
<div><div></div></div>		
Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60998	NTR NL-7990
cULus_Listed_667F Underwriters Laboratories Inc.	UL 486C	UL-CA-L69654
ENEC 05 DEKRA Certification B.V.	EN 60998	71-127529
		Approval
		EU-Declaration of Confor- mity WAGO GmbH & Co. KG
		UK-Declaration of Confor- mity WAGO GmbH & Co. KG




Approvals for marine applications		
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Approval	Standard	Certificate Name
LR Lloyds Register	EN 60998	LR22207029TA

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 221-2411	



























CAD/CAE-Data	
<div>CAD data</div> <div>2D/3D Models 221-2411</div> <div>↓</div>	<div>CAE data</div> <div>EPLAN Data Portal 221-2411</div> <div>↓</div>
	<div>ZUKEN Portal 221-2411</div> <div>↓</div>

1 Compatible Products
1.1 Optional Accessories
1.1.1 General accessories
1.1.1.1 Moisture protection

 <div>Item No.: 207-1375 Gelbox; Durchgangsverbindung; für Aderleitungen; mit Gel; Serie 221, max. 4mm²-Klemmen; ohne Verbindungsklemmen; Größe 3; grau</div>	 <div>Item No.: 207-1372 Gelbox; inline connection; for cables; with gel; 221 Series; max. 4 mm² connectors; without splicing connectors; Size 1; gray</div>	 <div>Item No.: 207-1373 Gelbox; inline connection; for cables; with gel; 221 Series; max. 4 mm² connectors; without splicing connectors; Size 2; gray</div>
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1.1.2 Installation
1.1.2.1 Mounting accessories

 <div>Item No.: 221-2501 Mounting carrier with strain relief; 1-way; for inline splicing connector with lever; for screw mounting; gray</div>	 <div>Item No.: 221-2511 Mounting carrier with strain relief; 1-way; for inline splicing connector with lever; with snap-in mounting foot; gray</div>	 <div>Item No.: 221-2502 Mounting carrier with strain relief; 2-way; for inline splicing connector with lever; for screw mounting; gray</div>	 <div>Item No.: 221-2512 Mounting carrier with strain relief; 2-way; for inline splicing connector with lever; with snap-in mounting foot; gray</div>
 <div>Item No.: 221-2503 Mounting carrier with strain relief; 3-way; for inline splicing connector with lever; for screw mounting; gray</div>	 <div>Item No.: 221-2513 Mounting carrier with strain relief; 3-way; for inline splicing connector with lever; with snap-in mounting foot; gray</div>	 <div>Item No.: 221-2504 Mounting carrier with strain relief; 4-way; for inline splicing connector with lever; for screw mounting; gray</div>	 <div>Item No.: 221-2514 Mounting carrier with strain relief; 4-way; for inline splicing connector with lever; with snap-in mounting foot; gray</div>
 <div>Item No.: 221-2505 Mounting carrier with strain relief; 5-way; for inline splicing connector with lever; for screw mounting; gray</div>	 <div>Item No.: 221-2515 Mounting carrier with strain relief; 5-way; for inline splicing connector with lever; with snap-in mounting foot; gray</div>	 <div>Item No.: 221-2521 Mounting carrier; 1-way; for inline splicing connector with lever; for screw mounting; gray</div>	 <div>Item No.: 221-2531 Mounting carrier; 1-way; for inline splicing connector with lever; with snap-in mounting foot; gray</div>
 <div>Item No.: 221-2522 Mounting carrier; 2-way; for inline splicing connector with lever; for screw mounting; gray</div>	 <div>Item No.: 221-2532 Mounting carrier; 2-way; for inline splicing connector with lever; with snap-in mounting foot; gray</div>	 <div>Item No.: 221-2523 Mounting carrier; 3-way; for inline splicing connector with lever; for screw mounting; gray</div>	 <div>Item No.: 221-2533 Mounting carrier; 3-way; for inline splicing connector with lever; with snap-in mounting foot; gray</div>
 <div>Item No.: 221-2524 Mounting carrier; 4-way; for inline splicing connector with lever; for screw mounting; gray</div>	 <div>Item No.: 221-2534 Mounting carrier; 4-way; for inline splicing connector with lever; with snap-in mounting foot; gray</div>	 <div>Item No.: 221-2525 Mounting carrier; 5-way; for inline splicing connector with lever; for screw mounting; gray</div>	 <div>Item No.: 221-2535 Mounting carrier; 5-way; for inline splicing connector with lever; with snap-in mounting foot; gray</div>
 <div>Item No.: 209-123 Mounting foot with screw; can be screwed on terminal blocks with fixing flange; 6.4 mm wide; gray</div>	 <div>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</div>	 <div>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</div>	 <div>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</div>

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

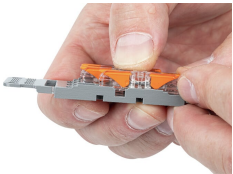


Push up the lever to open the clamping unit and insert the conductor.

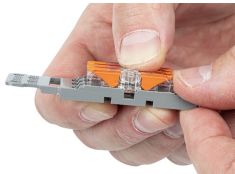


Push the lever back down.

Installation

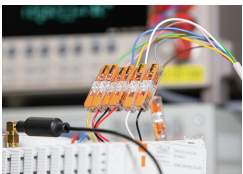


Place the inline splicing connector on the carrier in front of the mounting position.

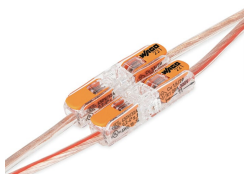


Push the connector to the center position until it snaps into place.

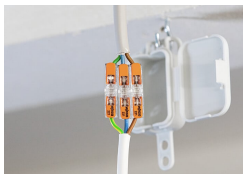
Application



Perfect for test setups



Simple extension of lines



Lighting connection in suspended ceilings



Multi-pole, fixed lighting fixture wiring