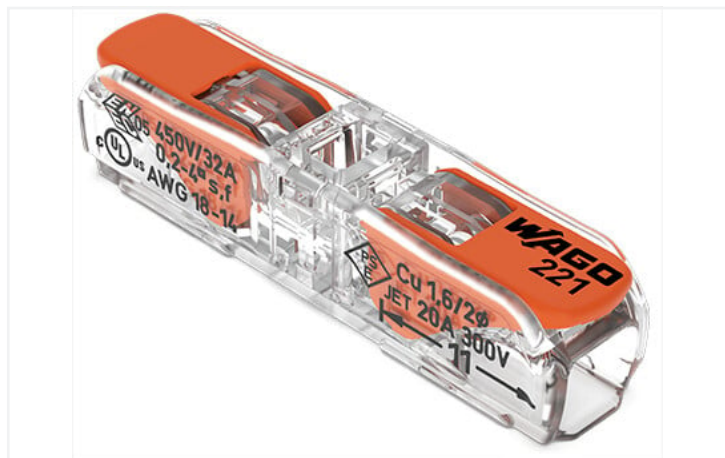


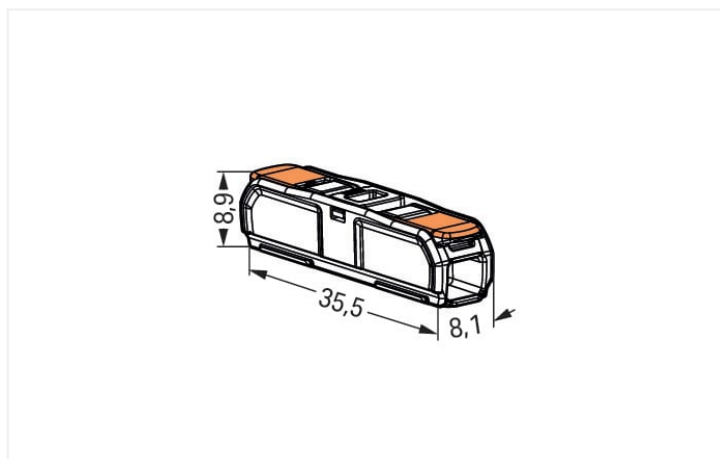
## Data Sheet | Item Number: 221-2411

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); 4,00 mm<sup>2</sup>; transparent

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



Color: ☐ transparent



This connector is suitable for worldwide installations.

- 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	
Safety management note	<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	
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)	<a href="#">Information on material specifications can be found here</a>
Color	transparent
Cover color	transparent
Material group	IIa
Insulation material (main housing)	Polycarbonate (PC)
Flammability class per UL94	V2
Fire load	0.057 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 8.0	EC000446
ETIM 7.0	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>					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60998	NTR NL-7990	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
cULus_Listed_667F Underwriters Laboratories Inc.	UL 486C	UL-CA-L69654	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
ENEC 05 DEKRA Certification B.V.	EN 60998	71-127529			

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

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



CAD/CAE-Data

CAD data	CAE data
2D/3D Models 221-2411 	EPLAN Data Portal 221-2411 
	ZUKEN Portal 221-2411 

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



**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

Installation Notes

Conductor termination

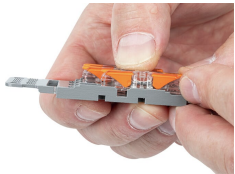


Push up the lever to open the clamping unit and insert the conductor.

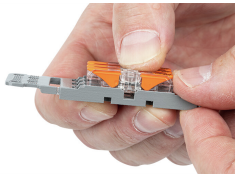


Push the lever back down.

Installation

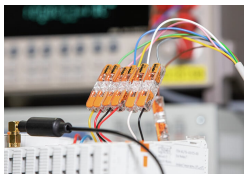


Place the inline splicing connector on the carrier in front of the mounting position.

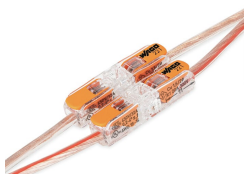


Push the connector to the center position until it snaps into place.

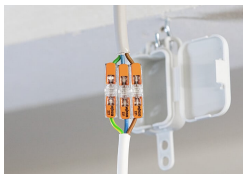
Application



Perfect for test setups



Simple extension of lines



Lighting connection in suspended ceilings



Multi-pole, fixed lighting fixture wiring