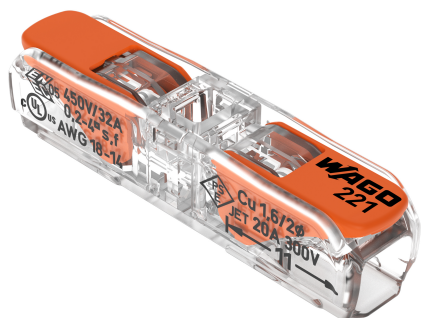


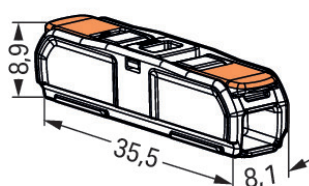
## Data Sheet | Item Number: 221-2411

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



Inline splicing connector with levers, 221 Series, transparent

Our inline splicing connector with levers (item number 221-2411) is designed for seamless electrical installations. Whether for intercom system wiring or connecting electrical ovens, WAGO's 221 Series splicing connector allows you to quickly and safely connect different conductor types. Its compact design offers an efficient solution that simplifies your work. Strip lengths must be 11 mm when connecting conductors to inline splicing connector with levers. Rated current and voltage are key factors to consider when selecting a splicing connector, as they determine the product's suitability for differ-



ent applications. 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 incorporates conductor terminals and utilizes CAGE CLAMP®. Our CAGE CLAMP® connection offers 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 designed 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

**NOTICE: Observe installation and safety instructions!**

- **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!**

Electrical data				
Ratings per		EN 60664		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	-	-	450 V	
Rated impulse withstand 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
Insulation material (main housing)	Polycarbonate (PC)
Flammability class per UL94	V2
Fire load	0.05 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)	600 (60) pcs
Packaging type	Box
Country of origin	CH
GTIN	4066966102666
Customs tariff number	85369010000

Product Classification	
UNSPSC	39121409
ETIM 9.0	EC000446
ETIM 10.0	EC000446
ECCN	NO US CLASSIFICATION

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	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 60998	NTR NL-7990	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
cULus_Listed_667F Underwriters Laboratories Inc.	UL 486C	E69654			
ENEC 05 DEKRA Certification B.V.	EN 60998	71-152248			
UL Underwriters Laboratories Inc.	UL 467	E201573			



Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	EN 60998	23-2417173-PDA
LR Lloyds Register	EN 60998	LR2446364TA
PRS Polski Rejestr Statków	EN 60998	TE/1093/880590/23

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 221-2411



CAD/CAE-Data

CAD data
2D/3D Models 221-2411



CAE data
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



<a href="#">Item No.: 207-1372</a> Gelbox; inline connection; for cables; with gel; 221 Series; max. 4 mm² connectors; without splicing connectors; Size 1; gray	<a href="#">Item No.: 207-1373</a> Gelbox; inline connection; for cables; with gel; 221 Series; max. 4 mm² connectors; without splicing connectors; Size 2; gray	<a href="#">Item No.: 207-1375</a> 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



<a href="#">Item No.: 221-2501</a> Mounting carrier with strain relief; 1-way; for inline splicing connector with lever; for screw mounting; gray	<a href="#">Item No.: 221-2511</a> Mounting carrier with strain relief; 1-way; for inline splicing connector with lever; with snap-in mounting foot; gray	<a href="#">Item No.: 221-2502</a> Mounting carrier with strain relief; 2-way; for inline splicing connector with lever; for screw mounting; gray	<a href="#">Item No.: 221-2512</a> Mounting carrier with strain relief; 2-way; for inline splicing connector with lever; with snap-in mounting foot; gray
--	--	--	--

1.1.2.1 Mounting accessories

 <b>Item No.: 221-2503</b> Mounting carrier with strain relief; 3-way; for inline splicing connector with lever; for screw mounting; gray	 <b>Item No.: 221-2513</b> Mounting carrier with strain relief; 3-way; for inline splicing connector with lever; with snap-in mounting foot; gray	 <b>Item No.: 221-2504</b> Mounting carrier with strain relief; 4-way; for inline splicing connector with lever; for screw mounting; gray	 <b>Item No.: 221-2514</b> Mounting carrier with strain relief; 4-way; for inline splicing connector with lever; with snap-in mounting foot; gray
 <b>Item No.: 221-2505</b> Mounting carrier with strain relief; 5-way; for inline splicing connector with lever; for screw mounting; gray	 <b>Item No.: 221-2515</b> Mounting carrier with strain relief; 5-way; for inline splicing connector with lever; with snap-in mounting foot; gray	 <b>Item No.: 221-2521</b> Mounting carrier; 1-way; for inline splicing connector with lever; for screw mounting; gray	 <b>Item No.: 221-2531</b> Mounting carrier; 1-way; for inline splicing connector with lever; with snap-in mounting foot; gray
 <b>Item No.: 221-2522</b> Mounting carrier; 2-way; for inline splicing connector with lever; for screw mounting; gray	 <b>Item No.: 221-2532</b> Mounting carrier; 2-way; for inline splicing connector with lever; with snap-in mounting foot; gray	 <b>Item No.: 221-2523</b> Mounting carrier; 3-way; for inline splicing connector with lever; for screw mounting; gray	 <b>Item No.: 221-2533</b> Mounting carrier; 3-way; for inline splicing connector with lever; with snap-in mounting foot; gray
 <b>Item No.: 221-2524</b> Mounting carrier; 4-way; for inline splicing connector with lever; for screw mounting; gray	 <b>Item No.: 221-2534</b> Mounting carrier; 4-way; for inline splicing connector with lever; with snap-in mounting foot; gray	 <b>Item No.: 221-2525</b> Mounting carrier; 5-way; for inline splicing connector with lever; for screw mounting; gray	 <b>Item No.: 221-2535</b> Mounting carrier; 5-way; for inline splicing connector with lever; with snap-in mounting foot; gray
 <b>Item No.: 209-123</b> Mounting foot with screw; can be screwed on terminal blocks with fixing flange; 6.4 mm wide; gray	 <b>Item No.: 209-1116</b> Mounting foot with screw; for DIN-15 rail; can be screwed on terminal blocks with fixing flange; 6.5 mm wide; gray	 <b>Item No.: 209-120</b> Mounting foot; can be snapped on terminal blocks with snap-in mounting foot; for mounting on relay-modules; 6.4 mm wide; gray	 <b>Item No.: 209-1115</b> 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

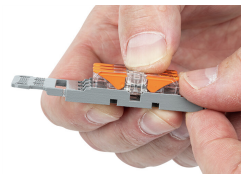
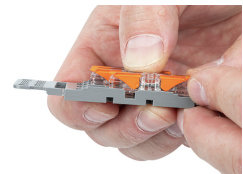
Installation Notes

Conductor termination

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

  
Push the lever back down.

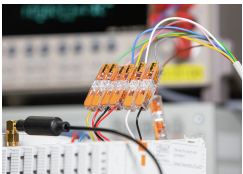
Installation



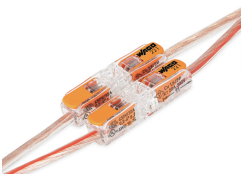
Place the inline splicing connector on the carrier in front of the mounting position.

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

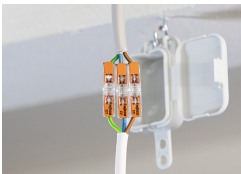
Application



Perfect for test setups



Simple extension of lines



Lighting connection in suspended ceilings



Multi-pole, fixed lighting fixture wiring