

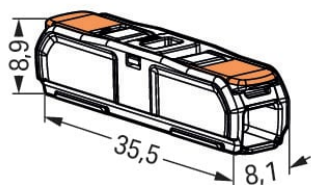
Data Sheet | Item Number: 221-2411

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





Inline splicing connector with levers, 221 Series, lever

Easy electrical installations are guaranteed with inline splicing connector with levers (item number 221-2411). Whether for intercom system wiring or connecting electrical ovens, WAGO's 221 Series splicing connector allows you to quickly and securely connect different conductor types. Its compact design offers an efficient solution that simplifies your work. Rated current and voltage are important parameters when selecting a splicing connector, as they indicate possible applications and uses. This product has a rated voltage of 450 V and a rated current of 32 A, making it suitable for high-load applications. Strip lengths must be 11 mm when connecting conductors to inline splicing connector with levers. Featuring conductor terminals along with CAGE CLAMP®, this product delivers reliable performance. Our highly-rated and maintenance-free CAGE CLAMP® connection makes it easy to connect all types of conductors without having to prepare the conductor. For example, you don't need to crimp ferrules. The item's dimensions are 8.1 x 8.9 x 35.5 mm (width x height x depth). Depending on the type of conductor, inline splicing connector with levers is ideal 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 instructions

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 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)	Information on material specifications can be found here
Color	transparent
Cover color	transparent
Material group	Illa
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	
  		Approval	Certificate Name
Approval	Standard	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60998	-	EU-Declaration of Confor- mity WAGO GmbH & Co. KG
cULus_Listed_667F Underwriters Laboratories Inc.	UL 486C	-	UK-Declaration of Confor- mity WAGO GmbH & Co. KG
ENEC 05 DEKRA Certification B.V.	EN 60998	-	-

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
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



[Item No.: 207-1375](#)
Gelbox; Durchgangsverbindung; für Aderleitungen; mit Gel; Serie 221, max. 4mm²-Klemmen; ohne Verbindungsklemmen; Größe 3; grau



[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

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



1.1.2.1 Mounting accessories



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

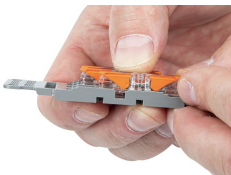


Push up the lever to open the clamping unit and insert the conductor.

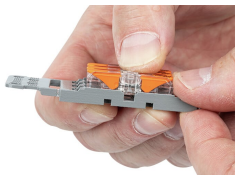


Push the lever back down.

Installation

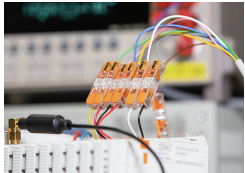


Place the inline splicing connector on the carrier in front of the mounting position.

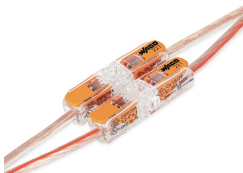


Push the connector to the center position until it snaps into place.

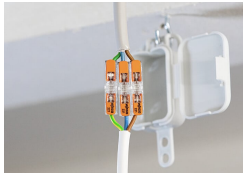
Application



Perfect for test setups



Simple extension of lines



Lighting connection in suspended ceilings



Multi-pole, fixed lighting fixture wiring