

Data Sheet | Item Number: 221-2421

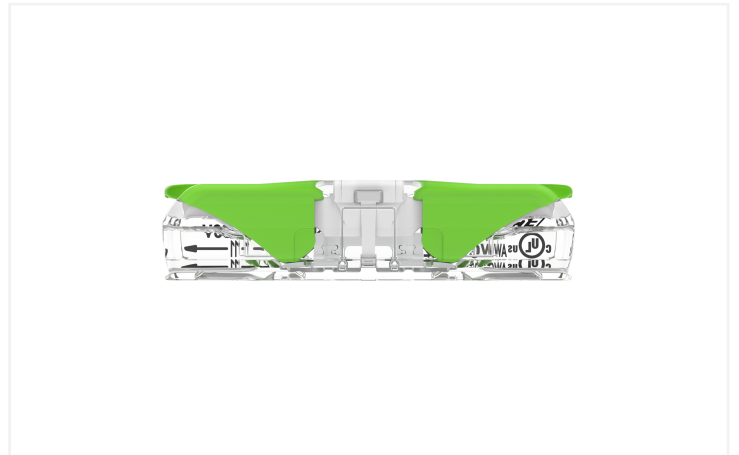
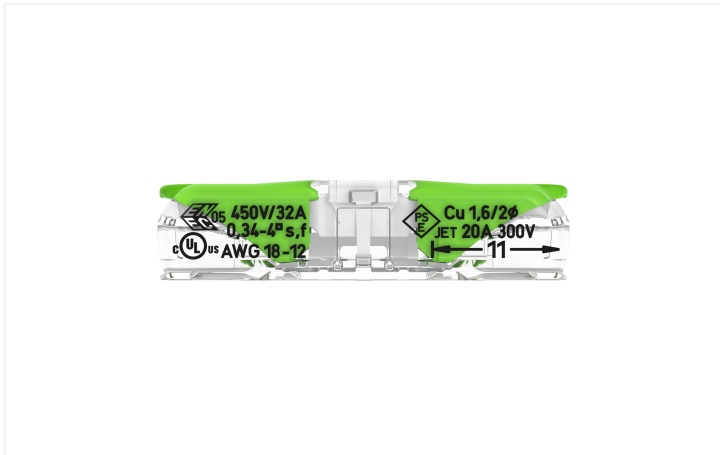
Inline splicing connector with levers; for all conductor types; max. 4 mm²; 2-conductor; transparent housing; white cover; Surrounding air temperature: max 85°C (T85); 4,00 mm²; transparent

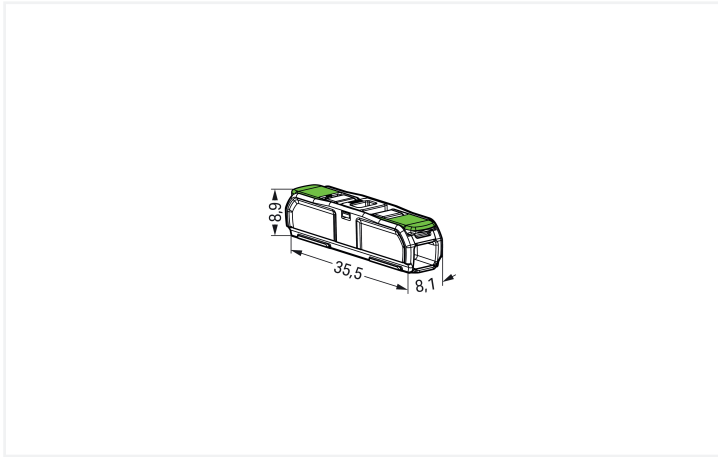


<https://www.wago.com/221-2421>



Color: transparent





Dimensions in mm

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

Our inline splicing connector with levers (item number 221-2421) is designed for seamless electrical installations. From wiring intercom systems to installing electrical ovens, connecting different conductor types is quick and simple with WAGO's compact 221 Series splicing connector, which allows you to quickly and safely connect different types of conductors. Strip lengths must be 11 mm when connecting conductors to inline splicing connector with levers. Our splicing connector is rated for 450 V and is designed to handle a rated current of up to 32 A. It is therefore suitable for high-load applications. This product features conductor terminals and utilizes CAGE CLAMP®. Our renowned universal connection known as CAGE CLAMP® is industry-leading when it comes to connection technology and electrical interconnections. The item's 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 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 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		
Overtoltage 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	
Total number of potentials	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 ... 12 AWG
		Stranded conductor	0.2 ... 2.5 mm² / 18 ... 12 AWG
		Fine-stranded conductor	0.34 ... 4 mm² / 18 ... 12 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	white
Material group	IIIa
Housing material	bio-circular PC
Insulation material (main housing)	Polycarbonate (PC)
Insulation material (actuator)	Bio-circular PBT
Flammability class per UL94	V2
Fire load	0.06 MJ
Actuator color	green
Weight of insulation material	0.84 g
Weight	2.4 g

Environmental requirements

Continuous operating temperature	-60 ... +105 °C
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Commercial data

PU (SPU)	600 (60) pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966632668
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
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Approvals / Certificates

General approvals **Declarations of conformity and manufacturer's declarations**



Approval	Standard	Certificate Name
cULus_Listed_667F Underwriters Laboratories Inc.	UL 486C	E69654
ENEC 05 DEKRA Certification B.V.	EN 60998	71-152248

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 221-2421

CAD/CAE-Data

CAD data
2D/3D Models 221-2421

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



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

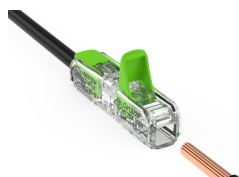
Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

Installation Notes

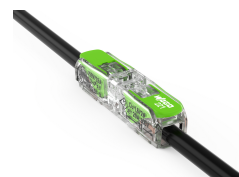
Conductor termination



Strip conductor to 11 mm.



Open the clamping point by operating the lever. Inserting the conductor.



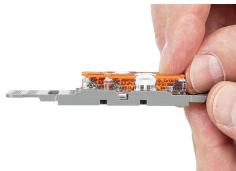
Close the lever.

Testing

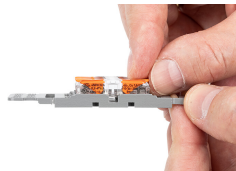


Testing via test slot.

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



Lighting connection in suspended ceilings



Multi-pole, fixed lighting fixture wiring