

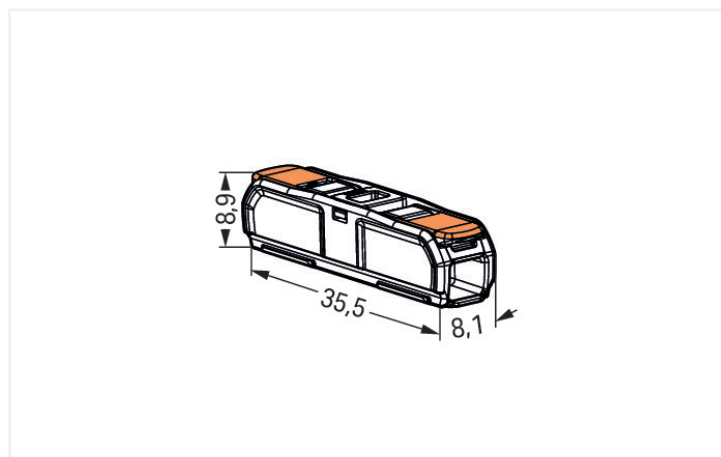
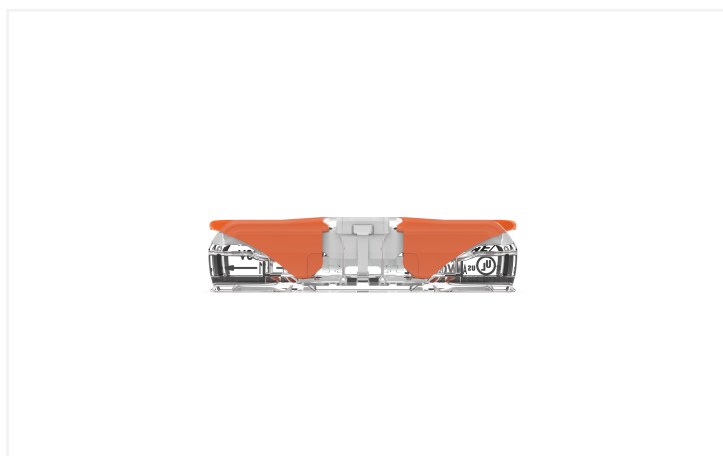
Data Sheet | Item Number: 221-2401

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/221-2401>



Color: transparent



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

Enjoy error-free electrical installations with inline splicing connector with levers (item number 221-2401). From intercom system wiring to electric ovens —connecting various conductor types is quick and hassle-free with WAGO's compact 221 Series splicing connector. 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 different 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 features conductor terminals and utilizes CAGE CLAMP®. Our reliable and maintenance-free CAGE CLAMP® connection makes it easy to connect all conductor types 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). Inline splicing connector with levers is suitable 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			Ratings per UL	
Overvoltage category	III	III	II	Rated voltage UL (Use Group C)	600 V
Pollution degree	3	2	2	Rated current UL (Use Group C)	20 A
Nominal voltage	-	-	450 V		
Rated impulse withstand voltage	-	-	4 kV		
Rated current	-	-	32 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 mm ² / 12 AWG
		Solid conductor	0.2 ... 4 mm ² / 20 ... 12 AWG
		Stranded conductor	0.2 ... 2.5 mm ² / 18 ... 12 AWG
		Fine-stranded conductor	0.34 ... 4 mm ² / 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
Insulation material (main housing)	Polycarbonate (PC)
Flammability class per UL94	V2
Fire load	0.039 MJ
Actuator color	orange
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	4066966120271
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



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60998	NTR NL-7990
cULus_Listed_667F Underwriters Laboratories Inc.	UL 486C	E69654
ENEC 05 DEKRA Certification B.V.	EN 60998	71-152284
UL Underwriters Laboratories Inc.	UL 467	E201573

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

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 221-2401

CAD/CAE-Data

CAD data
2D/3D Models 221-2401

CAE data
EPLAN Data Portal 221-2401
ZUKEN Portal 221-2401

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

1.1.2.1 Mounting accessories



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

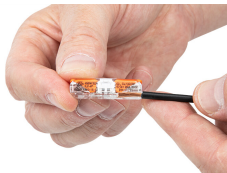
1.1.3.1 Marking strip



Item No.: 210-834
Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

Installation Notes

Conductor termination

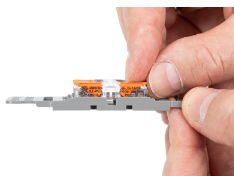
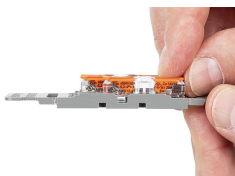


Push up the lever to open the clamping unit and insert the conductor.



Push the lever back down.

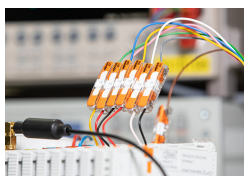
Installation



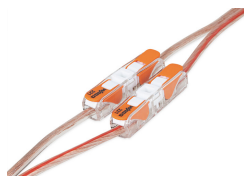
Place the inline splicing connector on the carrier in front of the mounting position.

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

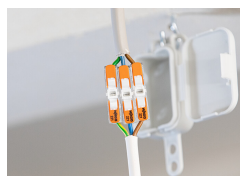
Application



Perfect for test setups



Simple extension of lines



Lighting connection in suspended ceilings



Multi-pole, fixed lighting fixture wiring