

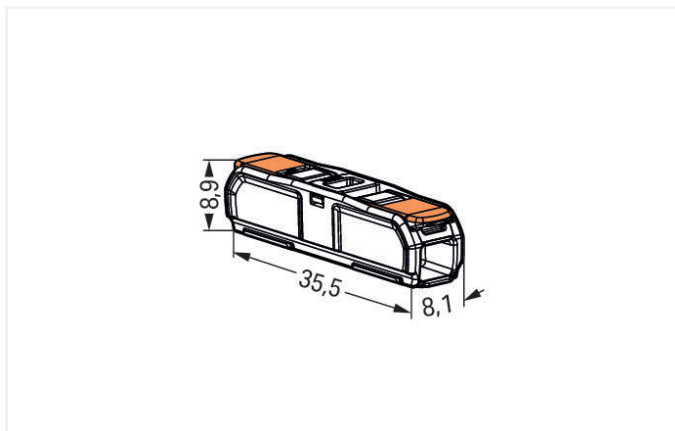
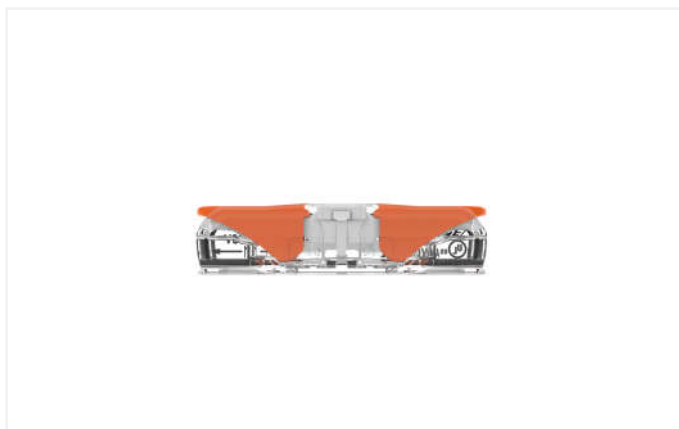
Data Sheet | Item Number: 221-2401

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, lever

Our inline splicing connector with levers (item number 221-2401) 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. Ensure that the strip lengths are 11 mm when connecting conductors to inline splicing connector with levers. Our splicing connector is rated for 450 V and is designed for use with a rated current of up to 32 A. As such, it is suitable for high-

load applications. This product features conductor terminals and utilizes CAGE CLAMP®. Our renowned universal connection known as CAGE CLAMP® is the industry standard when it comes to connection technology and electrical interconnections. Dimensions: (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		
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
Total number of potentials	1

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 ... 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		IIla
Insulation material (main housing)		Polycarbonate (PC)
Flammability class per UL94		V2
Fire load		0.056 MJ
Actuator color		orange
Weight of insulation material		0.84 g
Weight		2.4 g

Environmental requirements		
Continuous operating temperature		-60 ... +105 °C

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

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
   			Approval	Standard	Certificate Name
Approval	Standard	Certificate Name	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 60998	NTR NL-7990	UK-Declaration of Conformity 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 221-2401



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
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Installation Notes

Conductor termination

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