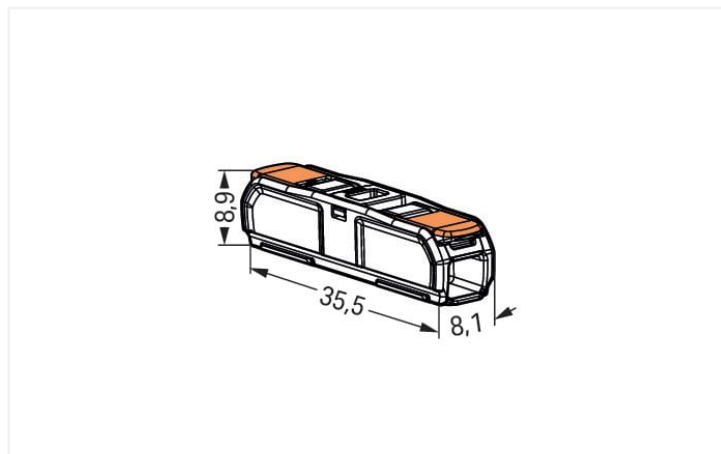


## Data Sheet | Item Number: 221-2401

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

<https://www.wago.com/221-2401>



Color:  transparent

This connector is 12 AWG capable and ideal for installations in the North American market.

- Inline connection of solid, stranded and fine-stranded conductors from 0.2 to 4 mm<sup>2</sup> (24–16 AWG)
- Slim design saves space in tight areas
- Tool-free connection and disconnection thanks to convenient lever technology
- Use a mounting carrier for fixed and multi-pole wiring

### Notes

Sicherheitshandhabungshinweis

**Attention: Observe operating instructions, danger to life and limb!**

- **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

Connection points	2	<b>Connection 1</b>	
		Connection technology	CAGE CLAMP®
		Actuation type	Lever
		Connectable conductor materials	Copper
		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)	<a href="#">Information on material specifications can be found here</a>
Color	transparent
Cover color	white
Material group	IIIa
Insulation material	Polycarbonate (PC)
Flammability class per UL94	V2
Fire load	0.055 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

ETIM 8.0	EC000446
ETIM 7.0	EC000446
PU (SPU)	600 (60) pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966120271
Customs tariff number	85369010000

## 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	UL-CA-L69654
ENEC 05 DEKRA Certification B.V.	EN 60998	71-127529

**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
LR Lloyds Register	EN 60998	LR22207029TA

**Downloads**

**Environmental Product Compliance**

Compliance Search
Environmental Product Compliance 221-2401 <a href="#">↓</a>

**CAD/CAE-Data**

CAD data
2D/3D Models 221-2401 <a href="#">↓</a>

CAE data
EPLAN Data Portal 221-2401 <a href="#">↓</a>
ZUKEN Portal 221-2401 <a href="#">↓</a>

## 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. 4mm<sup>2</sup>-Klemmen; ohne Verbindungsklemmen; Größe 3; grau

**Item No.: 207-1372**

Gelbox; inline connection; for cables; with gel; 221 Series; max. 4 mm<sup>2</sup> connectors; without splicing connectors; Size 1; gray

**Item No.: 207-1373**

Gelbox; inline connection; for cables; with gel; 221 Series; max. 4 mm<sup>2</sup> 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



**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

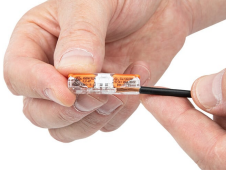


**Item No.: 210-834**

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

### Installation Notes

#### Conductor termination

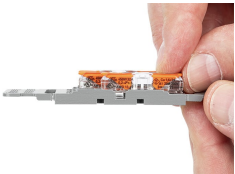


Push up the lever to open the clamping unit and insert the conductor.

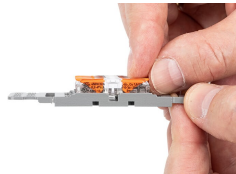


Push the lever back down.

### Installation

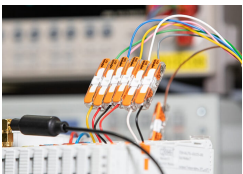


Place the inline splicing connector on the carrier in front of the mounting position.

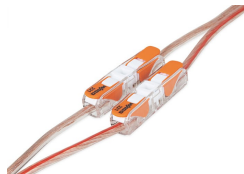


Push the connector to the center position until it snaps into place.

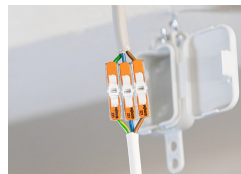
### Application



Perfect for test setups



Simple extension of lines



Lighting connection in suspended ceilings



Multi-pole, fixed lighting fixture wiring