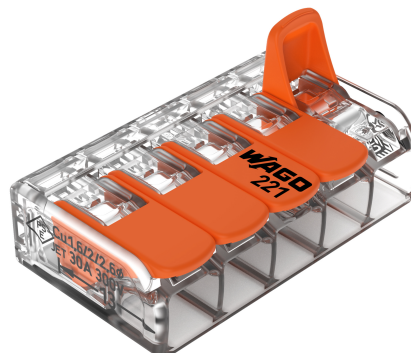
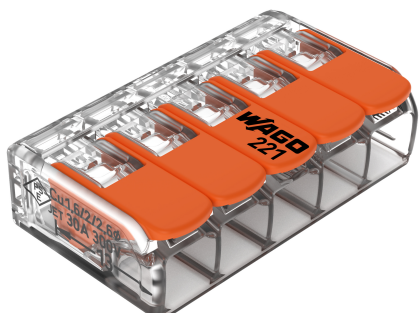


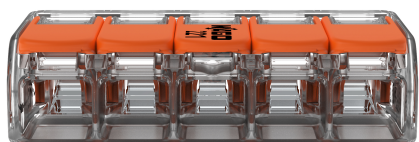
Data Sheet | Item Number: 221-615

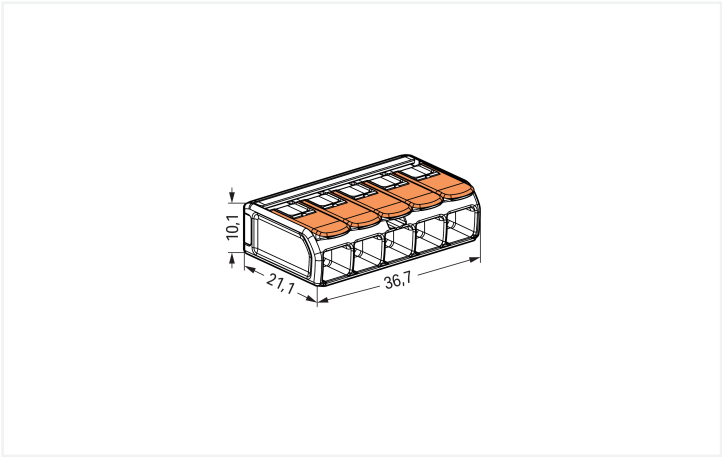
Splicing connector with levers; for all conductor types; max. 6 mm²; 5-conductor; transparent housing; Surrounding air temperature: max 85°C (T85); 6,00 mm²; transparent

<https://www.wago.com/221-615>



Color: ☐ transparent





Dimensions in mm

Splicing connector with levers, 221 Series, transparent

Splicing connector with levers (item number 221-615) is designed for fault-free electrical installations. From intercom system wiring to electric ovens—connecting different conductor types is quick and hassle-free with WAGO's practical 221 Series splicing connector. Conductors should only be connected to splicing connector with levers if their strip length is between 12 and 14 mm . Our splicing connector is rated for 450 V and is designed to handle a rated current of up to 41 A. It is therefore suitable for high-load applications. Featuring conductor terminals along with CAGE CLAMP®, this connector delivers reliable performance. Our CAGE CLAMP® connection offers a dependable and maintenance-free way to connect all types of conductors. You do not need to prepare the conductor in any way, such as crimping ferrules. The item's dimensions are (36.7 x 10.1 x 21.1) mm (width x height x depth). Splicing connector with levers is suitable for conductor cross sections ranging from 0.5 mm² to 6 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." This product is designed for specific Ex applications (please refer to the product datasheet).

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!

in grounded power lines

Electrical data									
Ratings per				EN 60664			Approvals per		
							UL 486C		
Overvoltage category				III	III	II	Use group		
Pollution degree				3	2	2	B		
Nominal voltage				-	-	450 V	C		
Rated impulse withstand voltage				-	-	4 kV	D		
Rated current				-	-	41 A	Rated voltage		
							-		
							600 V		
							-		
							30 A		
							-		

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Continued on next page

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Clamping units	5
Total number of potentials	1

Connection technology	CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper
Nominal cross-section	6 mm² / 10 AWG
Solid conductor	0.5 ... 6 mm² / 20 ... 10 AWG
Stranded conductor	0.5 ... 6 mm² / 20 ... 10 AWG
Fine-stranded conductor	0.5 ... 6 mm² / 20 ... 10 AWG
Strip length	12 ... 14 mm / 0.47 ... 0.55 inches
Wiring direction	Side-entry wiring

Width	36.7 mm / 1.445 inches
Height	10.1 mm / 0.398 inches
Depth	21.1 mm / 0.831 inches

Note (material data)	Information on material specifications can be found here
Color	transparent
Cover color	transparent
Material group	IIIa
Insulation material (main housing)	Polycarbonate (PC)
Flammability class per UL94	V2
Fire load	0.1 MJ
Actuator color	orange
Weight	7.1 g

Ambient temperature (operation)	+85 °C
Continuous operating temperature	105 °C
Temperature marking per EN 60998	T85

PU (SPU)	150 (15) pcs
Packaging type	Box
Country of origin	CH
GTIN	4055143715478
Customs tariff number	85369010000



Product Classification	
UNSPSC	39121409
eCl@ss 10.0	27-14-11-04
eCl@ss 9.0	27-14-11-04
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									
CB DEKRA Certification B.V.	IEC 60998	NL-123241									
cULus_Listed_667F Underwriters Laboratories Inc.	UL 486C	E69654									
ENEC 05 DEKRA Certification B.V.	EN 60998	71-168266									
UL Underwriters Laboratories Inc.	UL 467	E201573									
		<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Conformity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Conformity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr></table>	Approval	Standard	Certificate Name	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-
Approval	Standard	Certificate Name									
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-									
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-									

Approvals for marine applications		
		
Approval	Standard	Certificate Name
ABS American Bureau of Shipping	EN 60998	23-2417173-PDA
LR Lloyds Register	EN 60998	LR2446364TA
PRS Polski Rejestr Statków	EN 60998	TE/1093/880590/23



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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 221-615

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Documentation

Bid Text

221-615	19.02.2019	xml 3.48 KB	Download icon
221-615	23.01.2019	docx 15.40 KB	Download icon
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CAD/CAE-Data

CAD data

2D/3D Models 221-615

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CAE data

EPLAN Data Portal 221-615

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ZUKEN Portal 221-615

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1 Compatible Products

1.1 Optional Accessories

1.1.1 General accessories

1.1.1.1 Moisture protection



Item No.: 207-1432
Gelbox; Branch; for cables; with gel; 221 Series; max. 6 mm² connectors; without splicing connectors; Size 2; gray

1.1.2 Jumper

1.1.2.1 Jumper

Item No.: 221-941/000-006
Jumper; for conductor entry; 2-way; insulated; blue

Item No.: 221-942/000-006
Jumper; for conductor entry; 2-way; insulated; blue

Item No.: 221-941
Jumper; for conductor entry; 2-way; insulated; dark gray

Item No.: 221-942
Jumper; for conductor entry; 2-way; insulated; dark gray

1.1.3 Mounting adapter

1.1.3.1 Mounting accessories



Item No.: 221-510/000-006
Mounting carrier; 221 Series - 6 mm²; for DIN-35 rail mounting/screw mounting; blue



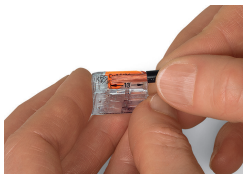
Item No.: 221-510/000-053
Mounting carrier; 221 Series - 6 mm²; for DIN-35 rail mounting/screw mounting; dark gray-yellow



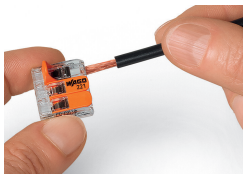
Item No.: 221-510
Mounting carrier; 221 Series - 6 mm²; for DIN-35 rail mounting/screw mounting; orange

Installation Notes

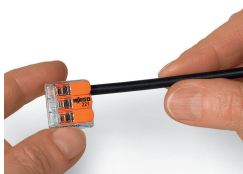
Conductor termination



Strip conductor to 12 ... 14 mm.

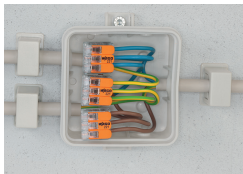


Termination: Lift the lever to open the clamping unit and insert a stripped conductor.



Then, lower the lever to close the clamp.

Application



Wiring fine-stranded conductors in junction boxes.



Custom low-voltage lighting system



Lighting distribution in a ceiling canopy



Pendant light connection in a suspended ceiling



COMPACT Splicing Connectors for All Conductor Types (6 mm²), 221 Series