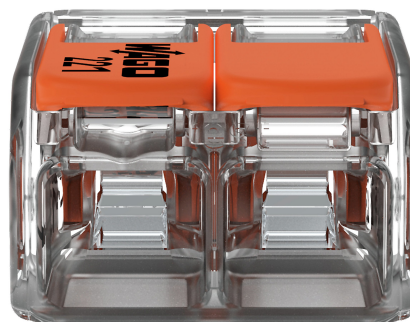
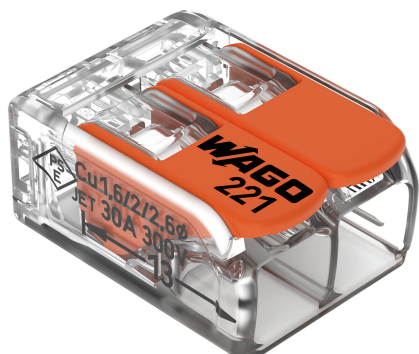


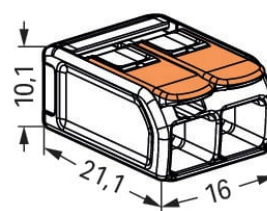
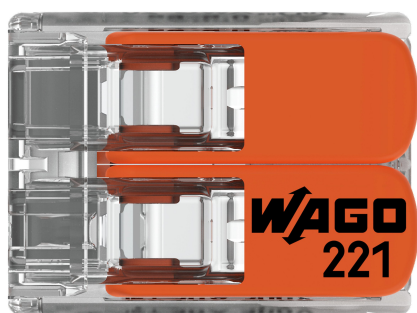
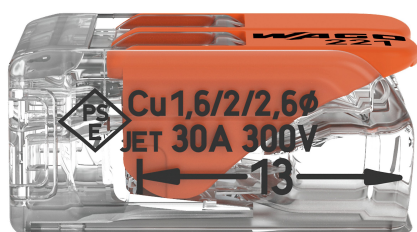
# Data Sheet | Item Number: 221-612

COMPACT Splicing Connector; for all conductor types; max. 6 mm<sup>2</sup>; 2-conductor;  
with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 6,00  
mm<sup>2</sup>; transparent

<https://www.wago.com/221-612>



Color: ☐ transparent



Dimensions in mm

Your benefits:

- Ease of use – pull the lever up, insert a conductor and push the lever back down
- Available as 2-, 3- and 5-wire connectors
- Easily terminate conductors from 0.5 to 6 mm<sup>2</sup>
- Connection of all conductor types
- Time savings for installers and device manufacturers
- Quickly install devices with higher power consumption
- Safely install long cable runs with larger conductor cross sections
- Mounting carrier for installation conforms to standards
- Custom carriers are possible

## Notes

Safety information	in grounded power lines
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## Electrical data

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

## Connection data

Connection points	2	<b>Connection 1</b>	
Total number of potentials	1	Connection technology	CAGE CLAMP®
		Actuation type	Lever
		Connectable conductor materials	Copper
		Nominal cross-section	6 mm <sup>2</sup> / 10 AWG
		Solid conductor	0.5 ... 6 mm <sup>2</sup> / 20 ... 10 AWG
		Stranded conductor	0.5 ... 6 mm <sup>2</sup> / 20 ... 10 AWG
		Fine-stranded conductor	0.5 ... 6 mm <sup>2</sup> / 20 ... 10 AWG
		Strip length	12 ... 14 mm / 0.47 ... 0.55 inches
		Wiring direction	Side-entry wiring

## Physical data

Width	16 mm / 0.63 inches
Height	10.1 mm / 0.398 inches
Depth	21.1 mm / 0.831 inches

## Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	transparent
Cover color	transparent
Insulation material	Polycarbonate (PC)
Flammability class per UL94	V2
Fire load	0.05 MJ
Actuator color	orange
Weight	3 g



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




Commercial data		
eCl@ss 10.0		27-14-11-04
eCl@ss 9.0		27-14-11-04
ETIM 8.0		EC000446
ETIM 7.0		EC000446
PU (SPU)		500 (50) pcs
Packaging type		Box
Country of origin		CH
GTIN		4055143704168
Customs tariff number		85369010000

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
CB DEKRA Certification B.V.	IEC 60998	NL-81003	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
ENEC 05 DEKRA Certification B.V.	EN 60998	71-123784	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UL_Listed_64KA UL International Germany GmbH	UL 467	E201573			
UL UL International Germany GmbH	UL 486C	E69654			

Approvals for marine applications

  		
Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	EN 60998	18-HG1755093-PDA
DNV GL Det Norske Veritas, Ger- manischer Lloyd	EN 60998	TAE000015T
LR Lloyds Register	EN 60998	LR22207029TA

Downloads

Environmental Product Compliance



Compliance Search			
Environmental Product Compliance 221-612			

Documentation			
Bid Text			
221-612	19.02.2019	xml 3.47 KB	
221-612	23.01.2019	docx 15.62 KB	
ausschreiben.de 221-612			

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 221-612	EPLAN Data Portal 221-612
	ZUKEN Portal 221-612





1 Compatible Products
1.1 Optional Accessories
1.1.1 General accessories
1.1.1.1 Moisture protection



[Item No.: 207-1431](#)  
Gelbox; Branch; for cables; with gel; 221 Series; max. 6 mm² connectors; without splicing connectors; Size 1; gray

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

[Item No.: 207-1433](#)  
Gelbox; Branch; for cables; with gel; 221 Series; max. 6 mm² connectors; without splicing connectors; Size 3; gray

1.1.2 Jumper			
1.1.2.1 Jumper			
			
<a href="#">Item No.: 221-941/000-006</a> Jumper; for conductor entry; 2-way; insulated; blue	<a href="#">Item No.: 221-942/000-006</a> Jumper; for conductor entry; 2-way; insulated; blue	<a href="#">Item No.: 221-941</a> Jumper; for conductor entry; 2-way; insulated; dark gray	<a href="#">Item No.: 221-942</a> Jumper; for conductor entry; 2-way; insulated; dark gray

1.1.3 Mounting adapter
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1.1.3.1 Mounting accessories



Item No.: [221-510/000-006](#)  
Mounting carrier; 221 Series - 6 mm<sup>2</sup>; for DIN-35 rail mounting/screw mounting; blue



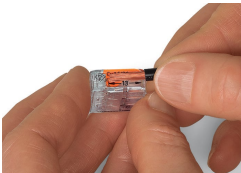
Item No.: [221-510/000-053](#)  
Mounting carrier; 221 Series - 6 mm<sup>2</sup>; for DIN-35 rail mounting/screw mounting; dark gray-yellow



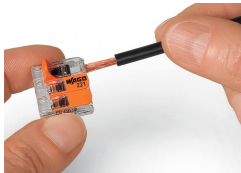
Item No.: [221-510](#)  
Mounting carrier; 221 Series - 6 mm<sup>2</sup>; for DIN-35 rail mounting/screw mounting; orange

Installation Notes

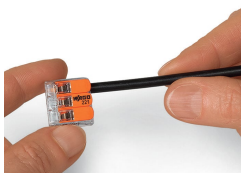
Conductor termination



Leiter 12 ... 14 mm abisolieren.

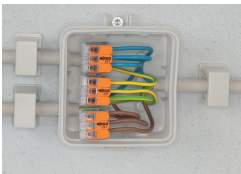


Termination: Lift the lever to open the clamping unit and insert a stripped conductor.

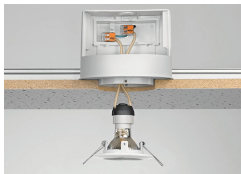


Then, lower the lever to close the clamp.

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 mm<sup>2</sup>), 221 Series