

Data Sheet | Item Number: 221-412/995-016

Splicing connector with levers; for all conductor types; max. 4 mm²; 2-conductor; transparent housing; Surrounding air temperature: max 85°C (T85); 4,00 mm²; transparent



<https://www.wago.com/221-412/995-016>



Color: ☐ transparent

Installationsklemme Serie 221 mit CAGE CLAMP®

Bei Installationsklemme mit der Artikelnummer 221-412/995-016 ist eine ordentliche Elektroinstallation der Schwerpunkt. Installationsklemme benötigt für den Leiteranschluss eine Abisolierung mit Längen zwischen 11 mm . Dieses Produkt basiert auf der CAGE CLAMP®-Technologie. Der erprobte und wartungsfreie CAGE CLAMP® Universalanschluss ermöglicht den Anschluss aller Leiterarten mit einer Käfigzugfeder. Eine Vorbehandlung der Leiter, z. B. durch das Aufcrimpen von Aderendhülsen, ist nicht erforderlich. Die Abmessungen sind in Breite x Höhe x Tiefe (13,2 x 8,4 x 18,8) mm. In Abhängigkeit von der Leiterart eignet sich Installationsklemme für Leiterquerschnitte von 0,2 mm² bis 4 mm².

This item includes:



Item No.: 221-412

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Splicing connector with levers; for all conductor types; max. 4 mm²; 2-conductor; transparent housing; Surrounding air temperature: max 85°C (T85); 4,00 mm²; transparent

Notes	
General safety instructions	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!
Safety Information	in grounded power lines



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	- 20 A -
Rated surge voltage	-	-	4 kV			
Rated current	-	-	32 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 / 24 ... 12 AWG
		Stranded conductor	0.2 ... 4 mm² / 24 ... 12 AWG
		Fine-stranded conductor	0.14 ... 4 mm² / 24 ... 12 AWG
		Strip length	11 mm / 0.43 inches
		Wiring direction	Side-entry wiring

Physical data	
Width	13.2 mm / 0.52 inches
Height	8.4 mm / 0.331 inches
Depth	18.8 mm / 0.732 inches

Material data	
Note (material data)	Information on material specifications can be found here
Color	transparent
Material group	IIIa
Insulation material (main housing)	Polycarbonate (PC)
Flammability class per UL94	V2
Fire load	0.049 MJ
Actuator color	orange
Weight	1.7 g

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

Commercial data		
PU (SPU)		288 (16) pcs
Packaging type		Blister foil
Country of origin		DE
GTIN		4066966001761
Customs tariff number		85369010000

Product classification		
UNSPSC		39121409
ETIM 9.0		EC000446
ETIM 8.0		EC000446
ECCN		NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

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Environmental Product Compliance

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Environmental Product Compliance
221-412/995-016



1 Compatible Products

1.1 Optional Accessories

1.1.1 General accessories

1.1.1.1 Empty housings



[Item No.: 207-4301](#)
Junction box; Branch; for multicore cables; 221 Series; max. 4 mm² connectors; without splicing connectors; white

1.1.1.2 Moisture protection



[Item No.: 207-1331](#)
Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 1; gray



[Item No.: 207-1332](#)
Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 2; gray



[Item No.: 207-1333](#)
Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 3; 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.: 221-500/000-006
Mounting carrier; 221 Series - 4 mm²; for DIN-35 rail mounting/screw mounting; blue



Item No.: 221-500/000-053
Mounting carrier; 221 Series - 4 mm²; for DIN-35 rail mounting/screw mounting; dark gray-yellow



Item No.: 221-500
Mounting carrier; 221 Series - 4 mm²; for DIN-35 rail mounting/screw mounting; orange



Item No.: 221-502/000-004
Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; for screw mounting; black



Item No.: 221-502
Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; for screw mounting; white



Item No.: 221-512/000-004
Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for horizontal mounting; black



Item No.: 221-512
Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for horizontal mounting; white



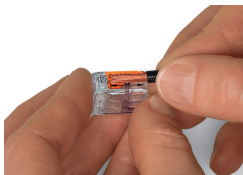
Item No.: 221-522/000-004
Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for vertical mounting; black



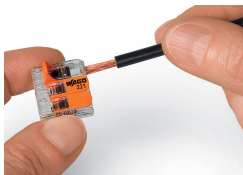
Item No.: 221-522
Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for vertical mounting; white

Installation Notes

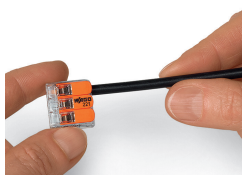
Conductor termination



Strip conductor to 11 mm (0.43 inch).



Pull up an orange lever to open the clamping unit.

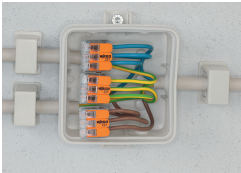


Then insert the conductor and push the lever back down, flush with the connector housing.



Compact, lever-operated splicing connectors:
Tool-free connection of fine-stranded conductors from 0.14 ... 4 mm², as well as solid or stranded conductors from 0.2 ... 4 mm² (24 ... 12 AWG).
Safety:
The lever's specially designed rest position reliably prevents accidental unclamping of a connected conductor.
Application safety, for any type of conductor (solid, stranded, fine-stranded), is confirmed by approvals like ENEC or UL.

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