

**Data Sheet | Item Number: 221-422**

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

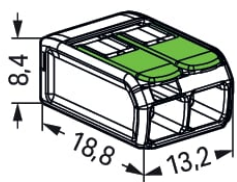


<https://www.wago.com/221-422>



Color:  transparent







Your Benefits:

- Plastics made partially from post-consumer recycled material (such as recycled PET bottles) and bio-based recyclables from industrial and household use
- Reduced consumption of fossil resources
- 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 0.14 to 4 mm<sup>2</sup>
- Connect solid, stranded and fine-stranded conductors
- 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

Sicherheitshandhabungshinweis

**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

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	4 mm <sup>2</sup> / 12 AWG
		Solid conductor	0.2 ... 4 mm <sup>2</sup> / 24 ... 12 AWG
		Stranded conductor	0.2 ... 4 mm <sup>2</sup> / 24 ... 12 AWG
		Fine-stranded conductor	0.14 ... 4 mm <sup>2</sup> / 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	8.6 mm / 0.327 inches
Depth	18.8 mm / 0.732 inches

## Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	transparent
Insulation material	Polycarbonate (PC)
Flammability class per UL94	V2
Fire load	0.056 MJ
Actuator color	green
Weight	1.8 g

## Environmental requirements

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

**Commercial data**

PU (SPU)	1000 (100) pcs
Country of origin	DE
GTIN	4066966345384
Customs tariff number	85369010000

**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
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**Approvals / Certificates**

**General approvals** **Declarations of conformity and manufacturer's declarations**



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 60669	71-127529

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

**Downloads**

**Environmental Product Compliance**

Compliance Search
Environmental Product Compliance 221-422

**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; wi-  
 thout splicing connectors; white

1.1.1.2 Moisture protection



**Item No.: 207-1331**

Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm<sup>2</sup> connectors; without splicing connectors; Size 1; gray

**Item No.: 207-1332**

Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm<sup>2</sup> connectors; without splicing connectors; Size 2; gray

**Item No.: 207-1333**

Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm<sup>2</sup> 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 mm<sup>2</sup>; for DIN-35 rail mounting/screw mounting; blue

**Item No.: 221-500/000-053**

Mounting carrier; 221 Series - 4 mm<sup>2</sup>; for DIN-35 rail mounting/screw mounting; dark gray-yellow

**Item No.: 221-500**

Mounting carrier; 221 Series - 4 mm<sup>2</sup>; for DIN-35 rail mounting/screw mounting; orange

**Item No.: 221-502/000-004**

Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm<sup>2</sup>; for screw mounting; black



**Item No.: 221-502**

Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm<sup>2</sup>; for screw mounting; white

**Item No.: 221-512/000-004**

Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm<sup>2</sup>; with snap-in mounting foot for horizontal mounting; black

**Item No.: 221-512**

Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm<sup>2</sup>; 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 mm<sup>2</sup>; with snap-in mounting foot for vertical mounting; black

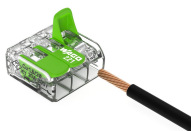


**Item No.: 221-522**

Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm<sup>2</sup>; with snap-in mounting foot for vertical mounting; white

Installation Notes

Conductor termination



Strip conductor to 11 mm

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

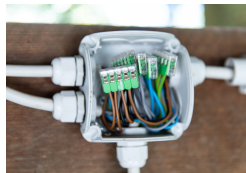
Then lower the lever to close the clamp

## Testing



Testing via test slots

## Application



Wiring in the distribution box