

Data Sheet | Item Number: 221-420

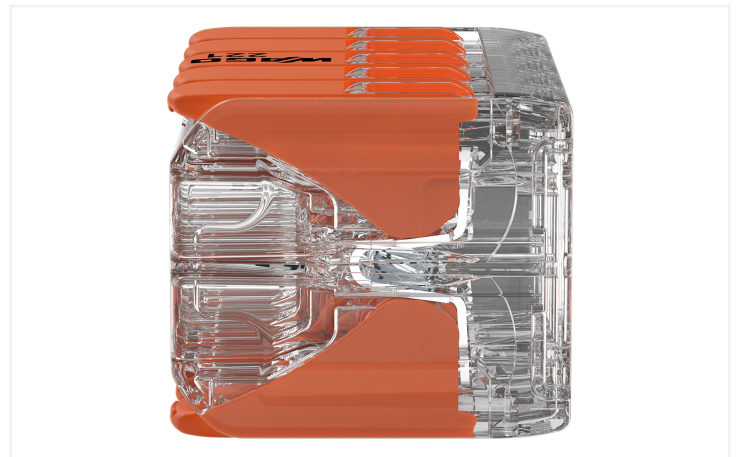
Splicing connector with levers; for all conductor types; max. 4 mm²; 10-conductor; transparent housing; Surrounding air temperature: max 85°C (T85); 4,00 mm²; transparent

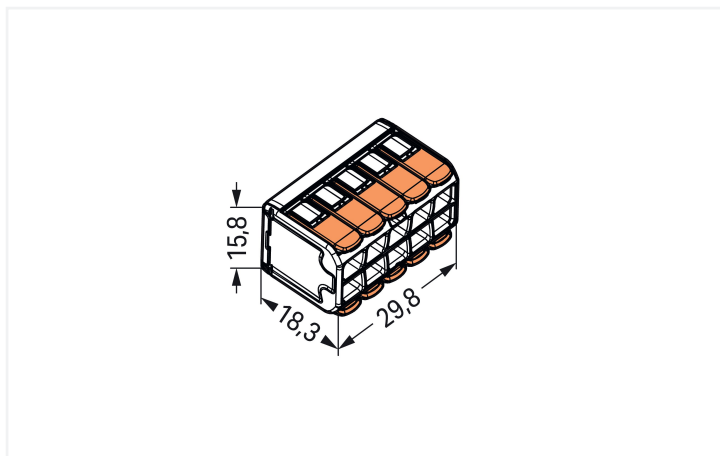


<https://www.wago.com/221-420>



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 0.14 to 4 mm²
- Connect solid, stranded and fine-stranded conductors
- Save time 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 management note	<p>NOTICE: Observe installation and safety instructions!</p> <ul style="list-style-type: none">• 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! <p>To be sold only with installation instructions!</p>
------------------------	---

Safety Information	in grounded power lines
--------------------	-------------------------

Electrical data

Ratings per IEC/EN

Ratings per	EN 60664
Nominal voltage (II/2)	450 V
Rated surge voltage (II/2)	4 kV
Rated current	32 A
Legend (ratings)	(II / 2) ≙ Overvoltage category II / Pollution degree 2

Ratings per UL

Approvals per	UL 486C
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	20 A

Connection data

Clamping units	10
Total number of potentials	1

Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper
Nominal cross-section	4 mm ² / 12 AWG
Solid conductor	0.2 ... 4 mm ² / 24 ... 12 AWG
Stranded conductor	0.2 ... 4 mm ² / 24 ... 12 AWG
Fine-stranded conductor	0.14 ... 4 mm ² / 24 ... 12 AWG
Strip length	11 mm / 0.43 inches
Wiring direction	Side-entry wiring

Physical data

Width	29.8 mm / 1.173 inches
Height	15.8 mm / 0.622 inches
Depth	18.3 mm / 0.72 inches

Material data

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	0.132 MJ
Actuator color	orange
Weight	7 g

Environmental requirements

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

Commercial data	
PU (SPU)	150 (15) pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966611663
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 221-420	

1 Compatible Products

1.1 Optional Accessories

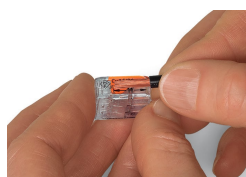
1.1.1 Mounting adapter

1.1.1.1 Mounting accessories

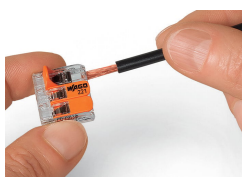
<p>Item No.: 221-539/000-006 Mounting carrier with strain relief; for 10-wire connectors; 221 Series - 4 mm²; for DIN-15 rail; blue</p>	<p>Item No.: 221-539/000-053 Mounting carrier with strain relief; for 10-wire connectors; 221 Series - 4 mm²; for DIN-15 rail; dark gray-yellow</p>	<p>Item No.: 221-549/000-006 Mounting carrier with strain relief; for 10-wire connectors; 221 Series - 4 mm²; for DIN-35 rail; blue</p>	<p>Item No.: 221-549/000-053 Mounting carrier with strain relief; for 10-wire connectors; 221 Series - 4 mm²; for DIN-35 rail; dark gray-yellow</p>
<p>Item No.: 221-519/000-006 Mounting carrier with strain relief; for 10-wire connectors; 221 Series - 4 mm²; for side screw mounting; blue</p>	<p>Item No.: 221-519/000-053 Mounting carrier with strain relief; for 10-wire connectors; 221 Series - 4 mm²; for side screw mounting; dark gray-yellow</p>	<p>Item No.: 221-529/000-006 Mounting carrier with strain relief; for 10-wire connectors; 221 Series - 4 mm²; with snap-in mounting foot; blue</p>	<p>Item No.: 221-529/000-053 Mounting carrier with strain relief; for 10-wire connectors; 221 Series - 4 mm²; with snap-in mounting foot; dark gray-yellow</p>
<p>Item No.: 221-539/002-006 Mounting carrier; for 10-wire connectors; 221 Series - 4 mm²; for DIN-15 rail; blue</p>	<p>Item No.: 221-539/002-053 Mounting carrier; for 10-wire connectors; 221 Series - 4 mm²; for DIN-15 rail; dark gray-yellow</p>	<p>Item No.: 221-549/002-006 Mounting carrier; for 10-wire connectors; 221 Series - 4 mm²; for DIN-35 rail; blue</p>	<p>Item No.: 221-549/002-053 Mounting carrier; for 10-wire connectors; 221 Series - 4 mm²; for DIN-35 rail; dark gray-yellow</p>
<p>Item No.: 221-519/002-006 Mounting carrier; for 10-wire connectors; 221 Series - 4 mm²; for side screw mounting; blue</p>	<p>Item No.: 221-519/002-053 Mounting carrier; for 10-wire connectors; 221 Series - 4 mm²; for side screw mounting; dark gray-yellow</p>	<p>Item No.: 221-529/002-006 Mounting carrier; for 10-wire connectors; 221 Series - 4 mm²; with snap-in mounting foot; blue</p>	<p>Item No.: 221-529/002-053 Mounting carrier; for 10-wire connectors; 221 Series - 4 mm²; with snap-in mounting foot; dark gray-yellow</p>

Installation Notes

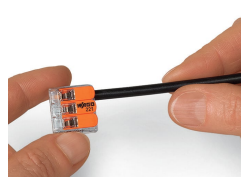
Conductor termination



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:

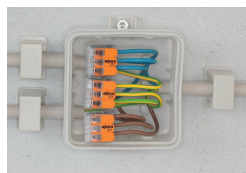
Tool-free connection of fine-stranded conductors from 0.14 ... 4 mm², as well as solid or stranded conductors from 0.2 ... 4 mm² (24 ... 12 AWG).

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