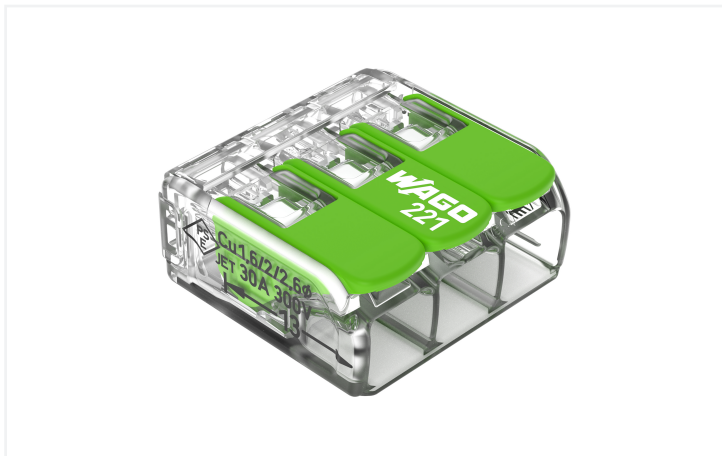


Data Sheet | Item Number: 221-623

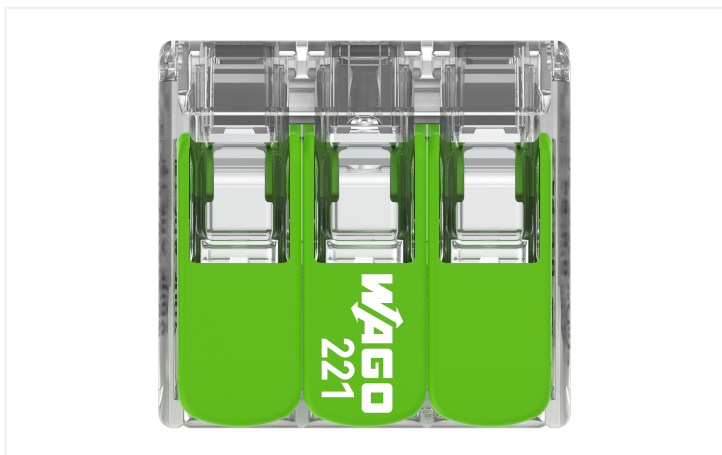
Splicing connector with levers; for all conductor types; max. 6 mm²; 3-conductor; transparent housing; Surrounding air temperature: max 85°C (T85); 6,00 mm²; transparent

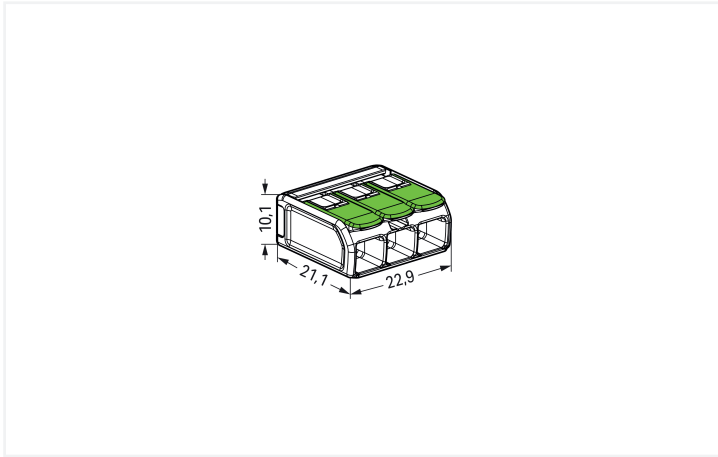


<https://www.wago.com/221-623>



Color: transparent





Splicing connector with levers, 221 Series, lever

Our splicing connector with levers (item number 221-623) simplifies electrical installations. From intercom system wiring to electric ovens—connecting various conductor types is quick and easy with WAGO's compact 221 Series splicing connector. Conductors can 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 for use with a rated current of up to 41 A. As such, it is suitable for high-load applications. This product features conductor terminals and utilizes CAGE CLAMP®. Our CAGE CLAMP® connection provides a convenient 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 dimensions are (22.9 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."

In addition to regranulate, the new Green Range Splicing Connector with levers consists of 77% bio-circular PC (housing) and at least 27% recycled PBT (levers). This product is designed for specific Ex applications (please refer to the product datasheet).

Notes	
General safety information	<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	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 impulse withstand voltage	-	-	4 kV			
Rated current	-	-	41 A			

General information

Wiring direction	Side-entry wiring
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Connection Data

Clamping units	3
Total number of potentials	1

Connection 1

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

Physical data

Width	22.9 mm / 0.902 inches
Height	10.1 mm / 0.398 inches
Depth	21.1 mm / 0.831 inches

Material data

Note (material data)	Information on material specifications can be found here
Color	transparent
Cover color	transparent
Material group	IIIa
Housing material	bio-circular PC
Insulation material (main housing)	Polycarbonate (PC)
Insulation material (actuator)	Bio-circular PBT
Flammability class per UL94	V2
Fire load	0.095 MJ
Actuator color	green
Weight	4.4 g

Environmental requirements

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

Commercial data

PU (SPU)	300 (30) pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966613315
Customs tariff number	85369010000

Product Classification

UNSPSC	39121409
ETIM 9.0	EC000446
ETIM 10.0	EC000446
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 60998	NL-114612
cULus_Listed_667F Underwriters Laboratories Inc.	UL 486C	E69654
ENEC 05 DEKRA Certification B.V.	EN 60998	71-152265

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 221-623 ↓

CAD/CAE-Data

CAD data
2D/3D Models 221-623 ↓

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.: 207-1433

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



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

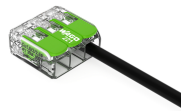
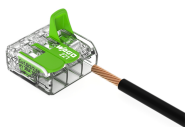
Mounting carrier; 221 Series - 6 mm²; for DIN-35 rail mounting/screw mounting; dark gray-yellow

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 13 mm

Open the clamping point by operating the lever. Inserting the conductor

Close the lever

Testing



Testing via test slot

Application



Connection of a wallbox / bicycle charging station