

Data Sheet | Item Number: 221-425

Splicing connector with levers; for all conductor types; max. 4 mm²; 5-conductor; transparent housing; Surrounding air temperature: max 85°C (T85); 4,00 mm²; transparent

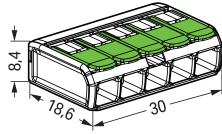


<https://www.wago.com/221-425>



Color: transparent





Dimensions in mm

Splicing connector with levers, 221 Series, transparent

Splicing connector with levers (item number 221-425) provides fault-free electrical installations. From intercom system wiring to electric ovens—connecting different conductor types is quick and easy with WAGO's compact 221 Series splicing connector. Ensure that the strip lengths are 11 mm when connecting conductors to splicing connector with levers. Our splicing connector is rated for 450 V and is designed to handle a rated current of up to 32 A. It can therefore be used in high-load applications. Featuring conductor terminals along with CAGE CLAMP®, this product is highly versatile. Our highly-rated and maintenance-free CAGE CLAMP® connection makes it easy to connect all conductor types without having to prepare the conductor. For example, you don't need to crimp ferrules. Dimensions: (30 x 8.4 x 18.6) mm (width x height x depth). Depending on the type of conductor, splicing connector with levers is suitable for conductor cross sections ranging from 0.2 mm² to 4 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 reggranulate, 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

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!

in grounded power lines

Safety Information

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 impulse withstand voltage	-	-	4 kV				
Rated current	-	-	32 A				

General information

Wiring direction	Side-entry wiring
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Connection Data

Clamping units	5
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	30 mm / 1.181 inches
Height	8.4 mm / 0.327 inches
Depth	18.6 mm / 0.732 inches

Material data

Note (material data)	Information on material specifications can be found here
Color	transparent
Material group	IIIa
Housing material	bio-circular PC
Insulation material (main housing)	Polycarbonate (PC)
Insulation material (actuator)	PBT from post-consumer recycled material
Flammability class per UL94	V2
Fire load	0.063 MJ
Actuator color	green
Weight	4.1 g

Environmental requirements

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

Commercial data

PU (SPU)	250 (25) pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966345285
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 **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 60998	71-152284
UL Underwriters Laboratories Inc.	UL 467	E201573

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

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 221-425

CAD/CAE-Data

CAD data

2D/3D Models 221-425



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.: 207-1332

Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 2; 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.: 221-505/000-004

Mounting carrier; for 5-conductor terminal blocks; 221 Series - 4 mm²; for screw mounting; black



Item No.: 221-505

Mounting carrier; for 5-conductor terminal blocks; 221 Series - 4 mm²; for screw mounting; white



Item No.: 221-515/000-004

Mounting carrier; for 5-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for horizontal mounting; black



Item No.: 221-515

Mounting carrier; for 5-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for horizontal mounting; white



Item No.: 221-525/000-004

Mounting carrier; for 5-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for vertical mounting; black

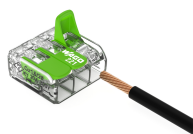


Item No.: 221-525

Mounting carrier; for 5-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

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