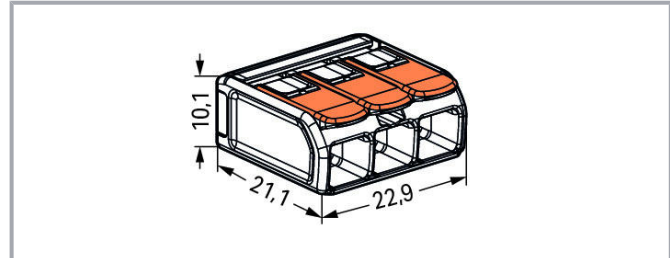


Data sheet | Item number: 221-613

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

www.wago.com/221-613



Item description

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 0.5 to 6 mm²
- Connection of all conductor types

—
Subject to changes. Please also observe the further product documentation!

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



- Time savings for installers and device manufacturers
- Quickly install devices with higher levels of power consumption
- Safely install long cable runs with larger conductor cross sections
- Mounting carrier for installation conforms to standards
- Custom carriers are possible

Data

Notes

Safety information 1 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	41 A
Legend (ratings)	(II / 2) \triangleq 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)	30 A

Connection data

Total number of connection points	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
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

Subject to changes. Please also observe the further product documentation!

Strip length	12 ... 14 mm / 0.47 ... 0.55 inch
Wiring direction	Side-entry wiring

Physical data

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

Material data

Note on material data	Information on material data can be found here
Color	transparent
Flammability class per UL94	V2
Fire load	0.073 MJ
Color of actuator	orange
Weight	4 g

Environmental requirements


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

Commercial data

PU (SPU)	300 (30) Stück
Packaging type	box
Country of origin	CH
GTIN	4055143715416
Customs tariff number	85369010000


Approvals / Certificates

Country specific Approvals


Logo	Approval	Additional Approval Text	Certificate name
	KEMA/KEUR DEKRA Certification B.V.	EN 60998	71- 105677

Subject to changes. Please also observe the further product documentation!

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	EN 60998	18- HG1755093- PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	EN 60998	TAE000015T
	LR Lloyds Register	EN 60998	04/20013 (E8)




UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 486C	E69654

Optional accessories


Mounting adapter

Mounting accessories

	Item no.: 221-510 Mounting carrier; 221 Series - 6 mm ² ; for DIN-35 rail mounting/screw mounting; orange	www.wago.com/221-510
	Item no.: 221-510/000-006 Mounting carrier; 221 Series - 6 mm ² ; for DIN-35 rail mounting/screw mounting; blue	www.wago.com/221-510/000-006
	Item no.: 221-510/000-053 Mounting carrier; 221 Series - 6 mm ² ; for DIN-35 rail mounting/screw mounting; dark gray-yellow	www.wago.com/221-510/000-053

Jumpers

Jumper

	Item no.: 221-941 Jumper; for conductor entry; 2-way; insulated; dark gray	www.wago.com/221-941
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Subject to changes. Please also observe the further product documentation!

Item no.: 221-941/000-006
Jumper; for conductor entry; 2-way; insulated; blue

www.wago.com/221-941/000-006



Item no.: 221-942
Jumper; for conductor entry; 2-way; insulated; dark gray

www.wago.com/221-942



Item no.: 221-942/000-006
Jumper; for conductor entry; 2-way; insulated; blue

www.wago.com/221-942/000-006

Downloads

Documentation

Bid Text

221-613 X81 - Datei	19 lut 2019	xml 3.6 kB	Download
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221-613 docx - Datei	23 sty 2019	docx 15.4 kB	Download
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Additional Information

		pdf 125.0 kB	Download
Technical explanations		pdf 2.2 MB	Download

CAD/CAE-Data

CAD data

2D/3D Models 221-613		URL	Download
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CAE data

ZUKEN Portal 221-613		URL	Download
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Environmental Product Compliance

Compliance Search

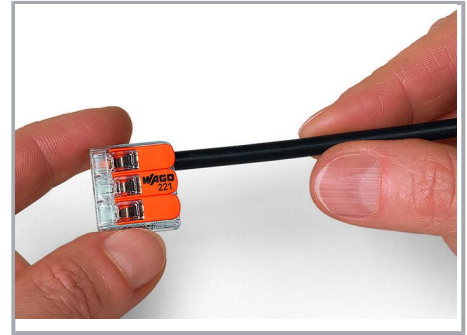
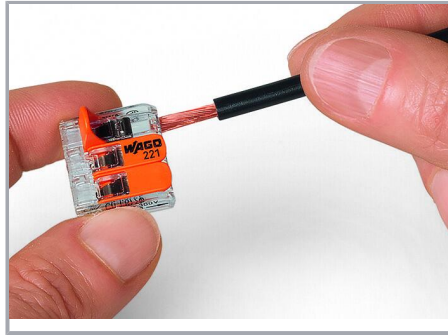
Environmental Product Compliance 221-613		URL	Download
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Subject to changes. Please also observe the further product documentation!

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

Installation Notes

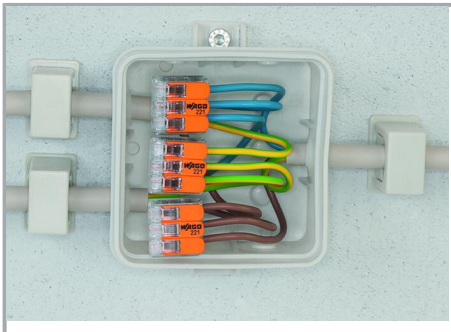
Conductor termination



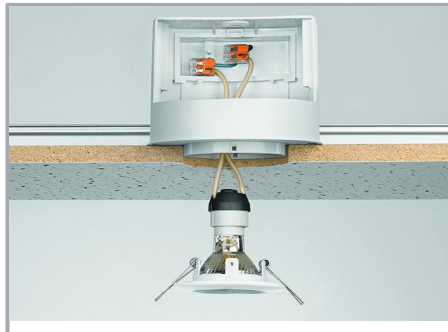
Termination: Lift the lever to open the clamping unit and insert a stripped conductor.

Then, lower the lever to close the clamp.

Application



Wiring fine-stranded conductors in junction boxes.



Custom low-voltage lighting system



Lighting distribution in a ceiling canopy

Subject to changes. Please also observe the further product documentation!



Pendant light connection in a suspended ceiling



COMPACT Splicing Connectors for All Conductor Types (6 mm²), 221 Series

Subject to changes. Please also observe the further product documentation!