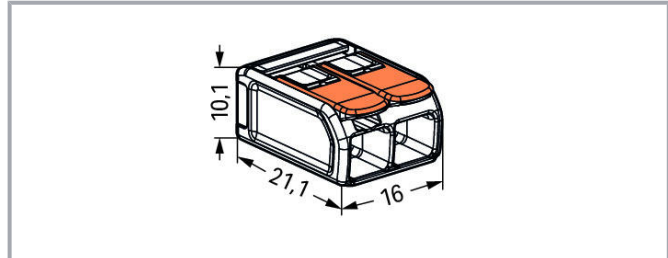


Data sheet | Item number: 221-612

COMPACT Splicing Connector; for all conductor types; max. 6 mm²; 2-conductor; with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 6,00 mm²; transparent



www.wago.com/221-612



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.



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
- 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

Approvals per	UL 486C
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	30 A
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) ≙ Overvoltage category II / Pollution degree 2

Connection data

Total number of connection points	2
Total number of potentials	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

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

Physical data

Width	16 mm / 0.63 inch
Height	10.1 mm / 0.398 inch
Depth	21.1 mm / 0.831 inch

Material data

Color	transparent
Flammability class per UL94	V2
Fire load	0.05 MJ
Color of actuator	orange
Weight	3 g

Environmental requirements


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

Commercial data

PU (SPU)	500 (50) Stück
Packaging type	box
Country of origin	CH
GTIN	4055143704168
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


Ship Approvals

Certificate

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

Logo	Approval	Additional Approval Text	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
	Item no.: 221-941/000-006 Jumper; for conductor entry; 2-way; insulated; blue	www.wago.com/221-941/000-006

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



Item no.: 221-942

Jumper; for conductor entry; 2-way; insulated; dark gray



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

221-612 X81 - Datei	Feb 19, 2019	xml 3.6 kB	Download
221-612 docx - Datei	Jan 23, 2019	docx 16.0 kB	Download

Additional Information

Technical explanations	Apr 3, 2019	pdf 2.2 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 221-612		URL	Download
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CAE data

ZUKEN Portal 221-612		URL	Download
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Environmental Product Compliance

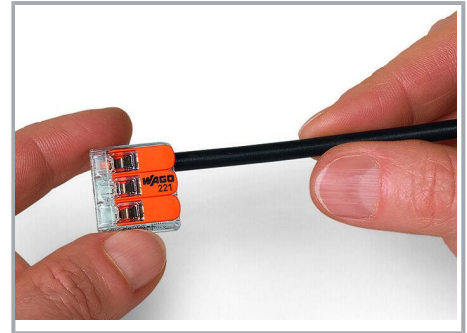
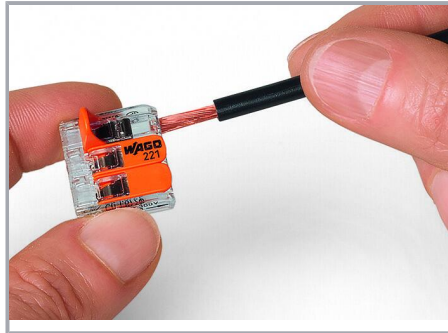
Compliance Search

Environmental Product Compliance 221-612 COMPACT Splicing Connector; for all conductor types; max. 6 mm ² ; 2-conductor; with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 6,00 mm ² ; transparent		URL	Download
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Subject to changes. Please also observe the further product documentation!

Installation Notes

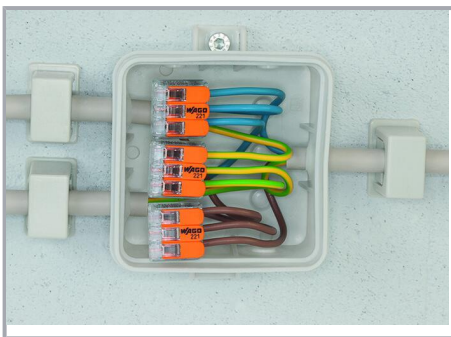
Conductor termination



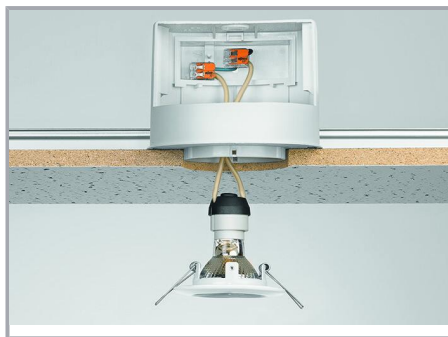
Termination: Lift the lever to open the clamping unit and insert a stripped conductor.

Then, lower the lever to close the clamp.

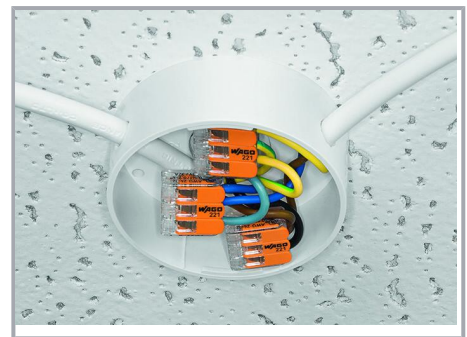
Application



Wiring fine-stranded conductors in junction boxes.



Custom low-voltage lighting system



Lighting distribution in a ceiling canopy



Pendant light connection in a suspended ceiling

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

Data sheet | Item number: 221-612

www.wago.com/221-612



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

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

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