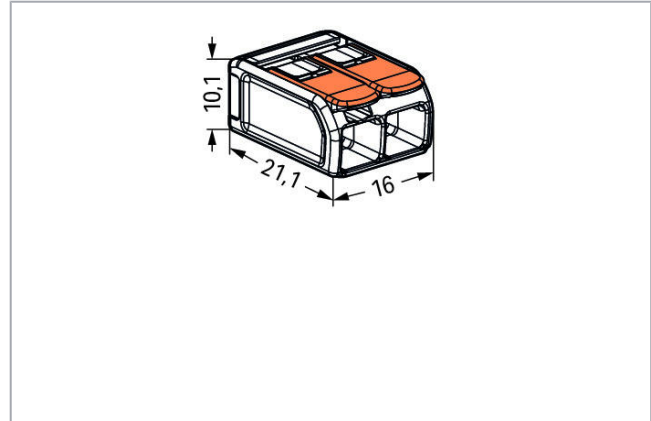


Data sheet | Item number: 221-612

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!

WAGO Kontakttechnik GmbH & Co. KG
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Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at 01788 568 008.



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

Safety information 1:
in grounded power lines

Data

Electrical data

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

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Ratings per IEC/EN 60664-1

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 1059

Approvals per	UL 486C
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	30 A

Connection data

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
Strip length	12 ... 14 mm / 0.47 ... 0.55 inch
Total number of connection points	2
Total number of potentials	1
Wiring type	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
Color of actuator	orange
Weight	3 g

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

Environmental Requirements


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

Commercial data




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

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 Underwriters Laboratories Inc.	UL 486C	E69654

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



UL
Underwriters Laboratories Inc.

UL 467

E201573



Counterpart

Compatible products

Mounting adapter



Item no.: 221-510
Mounting carrier; 221 Series - 6 mm²; for DIN-35 rail mounting/screw mounting; orange

www.wago.com/221-510



Item no.: 221-510/000-006
Mounting carrier; 221 Series - 6 mm²; 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 mm²; for DIN-35 rail mounting/screw mounting; dark gray-yellow

www.wago.com/221-510/000-053

Downloads

Documentation

Bid Text

221-612	23-Jan-2019	docx	Download
GAEB docx - Datei		16.0 kB	

221-612	19-Feb-2019	xml	Download
GAEB X81 - Datei		3.6 kB	

Additional Information

Technical explanations	03-Apr-2019	pdf	Download
		2.2 MB	

CAD/CAE-Data

CAD data

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

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2D/3D Models 221-612

[URL](#)

[Download](#)

CAE data

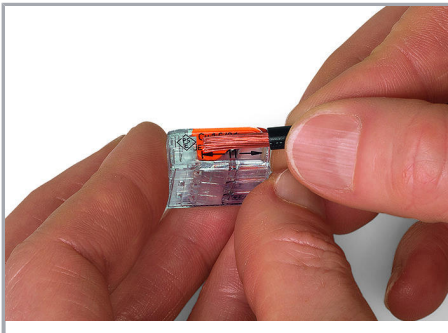
ZUKEN Portal 221-612

[URL](#)

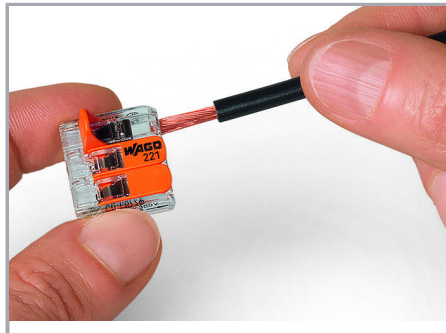
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Installation Notes

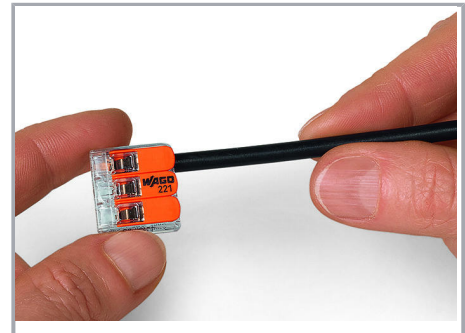
Conductor termination



Strip conductor to 11 mm (0.43 inch).

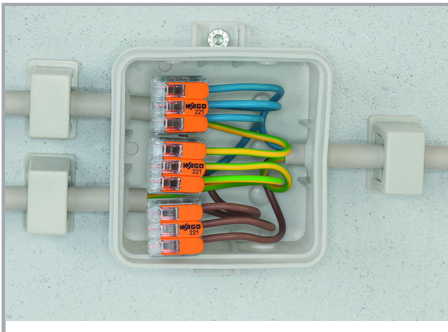


Termination: Lift the lever to open the clamping unit and insert a stripped conductor.

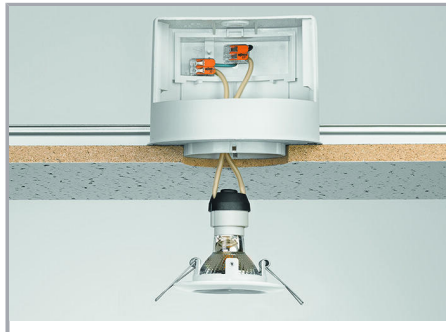


Then, lower the lever to close the clamp.

Application



Wiring fine-stranded conductors in a junction box.



Custom low-voltage lighting system

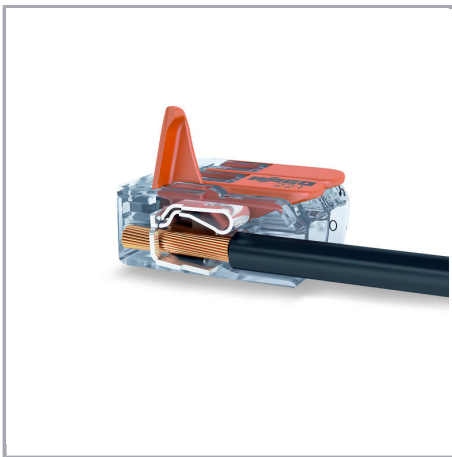


Lighting distribution in ceiling canopy

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



Pendant light connection in suspended ceilings



COMPACT Splicing Connectors for All Conductor Types, 4 mm² (12 AWG), 221 Series

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