

Data sheet | Item number: 221-612

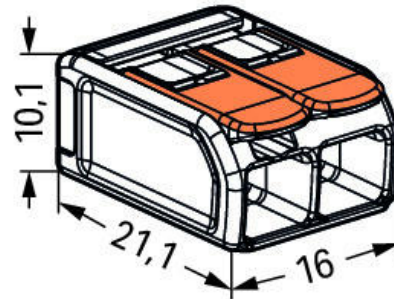
COMPACT splicing connector; 2-conductor; with operating levers; 10 AWG;
transparent housing

www.wago.com/221-612



RoHS
Compliant ✓

[BOMcheck.net](https://www.bomcheck.net)



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

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

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

Do you have any questions about our products?
We are always happy to take your call at {0}.



- 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

IEC Approvals

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

UL Approvals

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

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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	0.04 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

Logo	Approval	Additional Approval Text	Certificate name
	ABS	EN 60998	18-

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



American Bureau of Shipping

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
	UL Underwriters Laboratories Inc.	UL 467	E201573

Compatible products

Mounting adapter

	Item no.: 221-510 Mounting carrier; 221 series (20 - 10 AWG); for DIN-35 rail/panel mount; orange	www.wago.com/221-510
	Item no.: 221-510/000-006 Mounting carrier; 221 series (20 - 10 AWG); for DIN-35 rail/panel mount; blue	www.wago.com/221-510/000-006
	Item no.: 221-510/000-053 Mounting carrier; 221 series (20 - 10 AWG); for DIN-35 rail/panel mount; dark gray/yellow	www.wago.com/221-510/000-053

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

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

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

Technical explanations	Apr 3, 2019	pdf 2.2 MB	Download
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CAD files

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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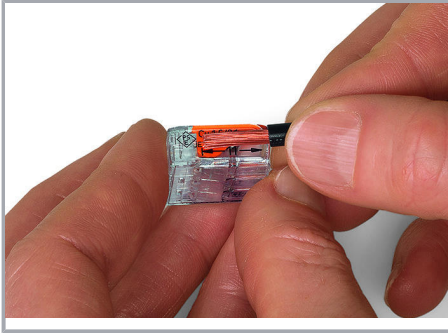
Installation Notes

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

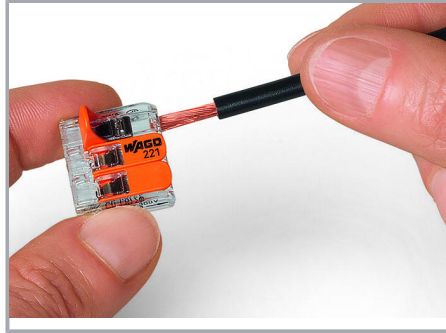
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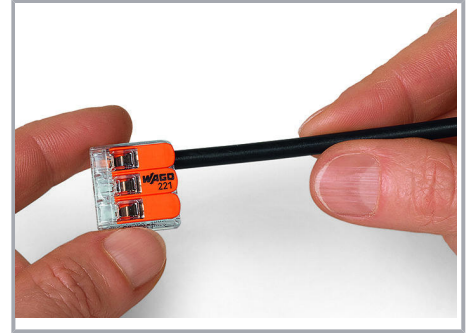
Conductor termination



Strip conductor to 11 mm (0.43 inch).

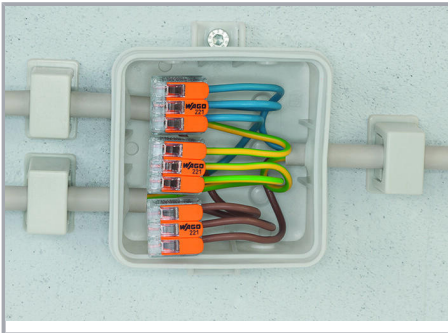


Termination: Lift the lever to open the clamping unit and insert a stripped conductor.

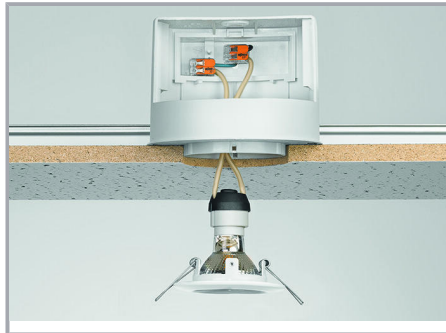


Then, lower the lever to close the clamp.

Application



Wiring fine-stranded conductors in a junction box.



Custom low-voltage lighting system

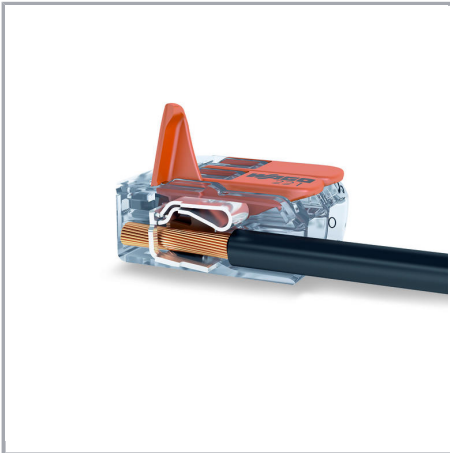


Lighting distribution in ceiling canopy



Pendant light connection in suspended ceilings

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



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

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