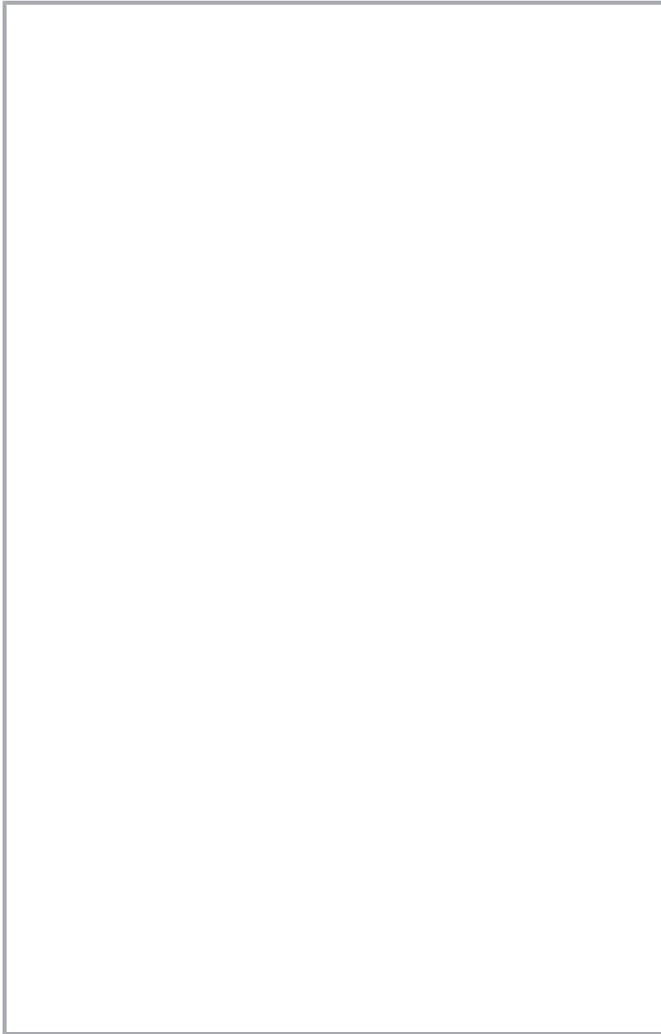


Data sheet | Item number: 221-412

COMPACT Splicing Connector; for all conductor types; max. 4 mm²; 2-conductor; with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 4,00 mm²; transparent

www.wago.com/221-412



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 0.14 to 4 mm²
- Connect solid, stranded and fine-stranded conductors
- Save time for installers and device manufacturers

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

WAGO Pty. Ltd.
2-4 Overseas Drive
Noble Park Victoria 3174
Tel.: +61 (0)3 8791 6300 | Fax: +61 (0)3 9701 0177
Email: sales.anz@wago.com

Do you have any questions about our products?
We are always happy to take your call at +61 (0)3 8791 6300.



- Quickly install devices with higher 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	32 A
Legend (ratings)	(II / 2) \triangle 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)	20 A

Connection data

Total number of connection points	2
Total number of potentials	1

Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper
Nominal cross-section	4 mm²
Solid conductor	0.2 ... 4 mm² / 24 ... 12 AWG
Stranded conductor	0.2 ... 4 mm² / 24 ... 12 AWG
Fine-stranded conductor	0.14 ... 4 mm² / 24 ... 12 AWG

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

WAGO Pty. Ltd.
 2-4 Overseas Drive
 Noble Park Victoria 3174
 Tel.: +61 (0)3 8791 6300 | Fax: +61 (0)3 9701 0177
 Email: sales.anz@wago.com

Do you have any questions about our products?
 We are always happy to take your call at +61 (0)3 8791 6300.



Strip length	11 mm / 0.43 inch
Wiring direction	Side-entry wiring

Physical data

Width	13.2 mm / 0.52 inch
Height	8.6 mm / 0.327 inch
Depth	18.8 mm / 0.732 inch

Material data

Note (material data)	Information on material data can be found here
Color	transparent
Flammability class per UL94	V2
Fire load	0.033 MJ
Actuator color	orange
Weight	1.7 g

Environmental requirements


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

Commercial data

Product Group	7 (Push Wire Conn.) 7 (Push Wire Conn.)
PU (SPU)	1000 (100) Stück
Packaging type	box
Country of origin VKOrg Germany	DE
GTIN	4050821808435
Customs tariff number VKOrg Germany	85369010000

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60998	NTR NL-7827

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

WAGO Pty. Ltd.
2-4 Overseas Drive
Noble Park Victoria 3174
Tel.: +61 (0)3 8791 6300 | Fax: +61 (0)3 9701 0177
Email: sales.anz@wago.com

Do you have any questions about our products?
We are always happy to take your call at +61 (0)3 8791 6300.





KEMA/KEUR
DEKRA Certification B.V.


EN 60998

71-
113253
REV. 1

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	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.: 221-500

Mounting carrier; 221 Series - 4 mm²; for DIN-35 rail mounting/screw mounting; orange

www.wago.com/221-500



Item no.: 221-502

Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; for screw mounting; white

www.wago.com/221-502



Item no.: 221-522

Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for vertical mounting; white

www.wago.com/221-522

Item no.: 221-512/000-004

Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for

www.wago.com/221-512/000-004

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

WAGO Pty. Ltd.
2-4 Overseas Drive
Noble Park Victoria 3174
Tel.: +61 (0)3 8791 6300 | Fax: +61 (0)3 9701 0177
Email: sales.anz@wago.com

Do you have any questions about our products?
We are always happy to take your call at +61 (0)3 8791 6300.

horizontal mounting; black

**Item no.: 221-502/000-004**

Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; for screw mounting; black

www.wago.com/221-502/000-004**Item no.: 221-522/000-004**

Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for vertical mounting; black

www.wago.com/221-522/000-004**Item no.: 221-512**

Mounting carrier; for 2-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for horizontal mounting; white

www.wago.com/221-512**Item no.: 221-500/000-006**

Mounting carrier; 221 Series - 4 mm²; for DIN-35 rail mounting/screw mounting; blue

www.wago.com/221-500/000-006**Item no.: 221-500/000-053**

Mounting carrier; 221 Series - 4 mm²; for DIN-35 rail mounting/screw mounting; dark gray-yellow

www.wago.com/221-500/000-053

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**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

221-412 X81 - Datei	19 Feb 2019	xml 3.5 kB	Download
221-412 docx - Datei	23 Jan 2019	docx 15.6 kB	Download

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

WAGO Pty. Ltd.
2-4 Overseas Drive
Noble Park Victoria 3174
Tel.: +61 (0)3 8791 6300 | Fax: +61 (0)3 9701 0177
Email: sales.anz@wago.com

Do you have any questions about our products?
We are always happy to take your call at +61 (0)3 8791 6300.



ausschreiben.de 221-412	URL	Download
-------------------------	-----	----------

Additional Information

Technical Section	pdf	Download
Technical explanations	2.2 MB	

CAD/CAE-Data

CAD data

2D/3D Models 221-412	URL	Download
----------------------	-----	----------

CAE data

EPLAN Data Portal 221-412	URL	Download
---------------------------	-----	----------

ZUKEN Portal 221-412	URL	Download
----------------------	-----	----------

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 221-412	URL	Download
COMPACT Splicing Connector; for all conductor types; max. 4 mm ² ; 2-conductor; with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 4,00 mm ² ; transparent		

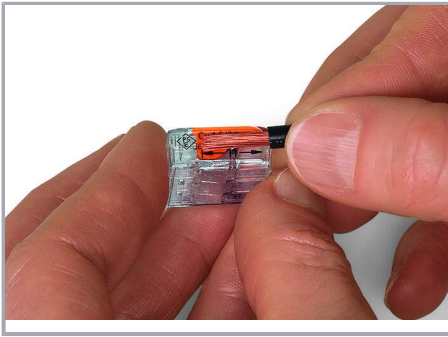
Installation Notes

Conductor termination

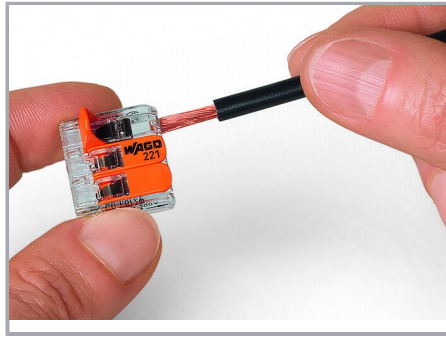
Subject to changes. Please also observe the further product documentation!

WAGO Pty. Ltd.
2-4 Overseas Drive
Noble Park Victoria 3174
Tel.: +61 (0)3 8791 6300 | Fax: +61 (0)3 9701 0177
Email: sales.anz@wago.com

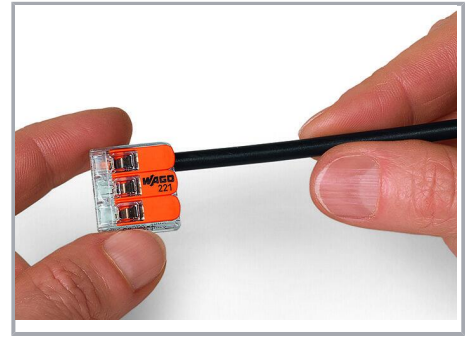
Do you have any questions about our products?
We are always happy to take your call at +61 (0)3 8791 6300.



Strip conductor to 11 mm (0.43 inch).

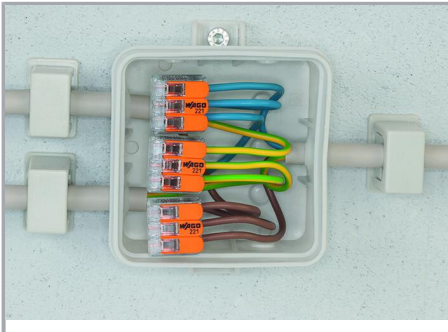


Termination: Lift the lever to open the clamping unit and insert a stripped conductor.

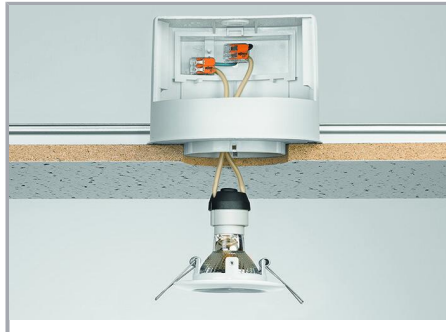


Then, lower the lever to close the clamp.

Application



Wiring fine-stranded conductors in 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!

WAGO Pty. Ltd.
2-4 Overseas Drive
Noble Park Victoria 3174
Tel.: +61 (0)3 8791 6300 | Fax: +61 (0)3 9701 0177
Email: sales.anz@wago.com

Do you have any questions about our products?
We are always happy to take your call at +61 (0)3 8791 6300.

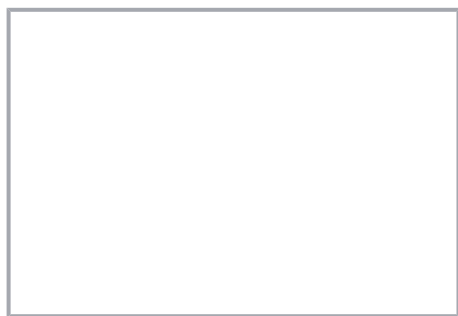


COMPACT Splicing Connectors for All
Conductor Types (4 mm²), 221 Series

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

WAGO Pty. Ltd.
2-4 Overseas Drive
Noble Park Victoria 3174
Tel.: +61 (0)3 8791 6300 | Fax: +61 (0)3 9701 0177
Email: sales.anz@wago.com

Do you have any questions about our products?
We are always happy to take your call at +61 (0)3 8791 6300.



Compact, lever-operated splicing connectors:

Tool-free connection of up to five stripped, fine-stranded conductors from 0.14 ... 4 mm², as well as solid or stranded conductors from 0.2 ... 4 mm² (24 ... 12 AWG).

How they work:

Pull up an orange lever to open the clamping unit. Then insert the conductor and push the lever back down, flush with the connector housing.

Safety:

The lever's specially designed rest position reliably prevents accidental unclamping of a connected conductor.

Application safety, for any type of conductor (solid, stranded, fine-stranded), is confirmed by approvals like ENEC or UL.

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

WAGO Pty. Ltd.
2-4 Overseas Drive
Noble Park Victoria 3174
Tel.: +61 (0)3 8791 6300 | Fax: +61 (0)3 9701 0177
Email: sales.anz@wago.com

Do you have any questions about our products?
We are always happy to take your call at +61 (0)3 8791 6300.