COMPACT Splicing Connector; for all conductor types; max. 4 mm²; 3-conductor; with levers; transparent housing; Surrounding air temperature: max 85°C (T85); 4,00 mm²; transparent



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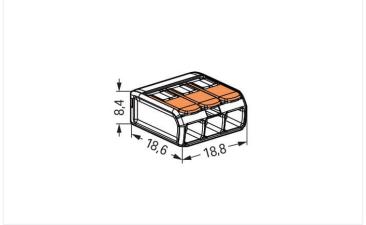












Dimensions in mm

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
- 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 Sheet | Item Number: 221-413 https://www.wago.com/221-413



Notes	
Safety information	in grounded power lines

Electrical data			
Ratings per IEC/EN		Ratings per UL 1059	
Ratings per	EN 60664	Approvals per	UL 486C
Nominal voltage (II/2)	450 V	Rated voltage UL (Use Group C)	600 V
Rated surge voltage (II/2)	4 kV	Rated current UL (Use Group C)	20 A
Rated current	32 A		
Legend (ratings)	(II / 2) ≙ Overvoltage category II / Polluti- on degree 2		

on data				
n points	3		Connection 1	
Total number of potentials 1	Connection technology	CAGE CLAMP®		
	Actuation type	Lever		
	Connectable conductor materials	Copper		
	Nominal cross-section	4 mm² / 12 AWG		
			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		
	Strip length	11 mm / 0.43 inches		
			Wiring direction	Side-entry wiring

Physical data	
Width	18.8 mm / 0.74 inches
Height	8.6 mm / 0.327 inches
Depth	18.8 mm / 0.732 inches

Material data	
Note (material data)	
	<u>Information on material specifications can be found here</u>
Color	transparent
Insulation material	Polycarbonate (PC)
Flammability class per UL94	V2
Fire load	0.064 MJ
Actuator color	orange
Weight	2.5 g

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

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Commercial data	
Product Group	7 (Push Wire Conn.)
eCl@ss 10.0	27-14-11-04
eCl@ss 9.0	27-14-11-04
ETIM 8.0	EC000446
ETIM 7.0	EC000446
PU (SPU)	500 (50) pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821808442
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status Compliant,No Exemption

Approvals / Certificates

General approvals









	8404	
Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60998	NTR NL-7827
ENEC 05 DEKRA Certification B.V.	EN 60998	71-113253 REV.1
UL_Listed_64KA UL International Germany GmbH	UL 467	E201573
UL UL International Germany GmbH	UL 486C	E69654

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications







Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	18-HG1755093-PDA
DNV GL Det Norske Veritas, Ger- manischer Lloyd	EN 60998	TAE000015T
LR Lloyds Register	EN 60998	LR22207029TA

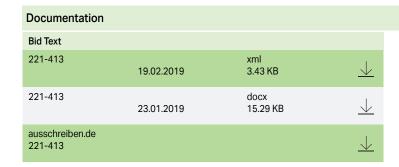
Downloads

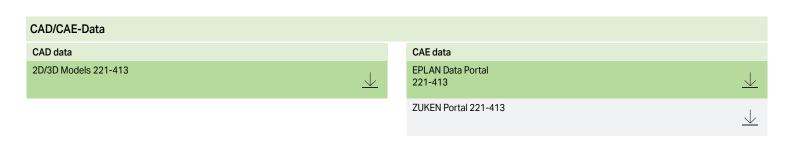
Environmental Product Compliance

https://www.wago.com/221-413









1.1 Optional Accessories 1.1.1 General accessories 1.1.1.1 Empty housings

Item No.: 207-4301

Junction box; Branch; for multicore cables; 221 Series; max. 4 mm² connectors; without splicing connectors; white

1.1.1.2 Moisture protection





Item No.: 207-1331

Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 1; gray

Item No.: 207-1333

Gelbox; Branch; for cables; with gel; 221, 2x73 Series; max. 4 mm² connectors; without splicing connectors; Size 3; gray

1.1.2 Jumper

https://www.wago.com/221-413



1.1.2.1 Jumper









Item No.: 221-941/000-006

Jumper; for conductor entry; 2-way; insulated; blue

<u>Item No.: 221-942/000-006</u>

Jumper; for conductor entry; 2-way; insulated; blue

Item No.: 221-941

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

Item No.: 221-942

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

1.1.3 Mounting adapter

Item No.: 221-500/000-006

1.1.3.1 Mounting accessories



Mounting carrier; 221 Series - 4 mm²; for

DIN-35 rail mounting/screw mounting;



Mounting carrier; 221 Series - 4 mm²; for

DIN-35 rail mounting/screw mounting;

Item No.: 221-500

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

Item No.: 221-503/000-004

Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm²; for screw mounting; black





Item No.: 221-503
Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm²; for screw mounting; white

Item No.: 221-513/000-004

Item No.: 221-500/000-053

dark gray-yellow

Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm²; with snapin mounting foot for horizontal mounting; black



<u>Item No.: 221-513</u> Mounting carrier; for 3-conductor termi-

nal blocks; 221 Series - 4 mm²; with snapin mounting foot for horizontal mounting; white



Item No.: 221-523/000-004

Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm²; with snapin mounting foot for vertical mounting; black

Item No.: 221-523

Mounting carrier; for 3-conductor terminal blocks; 221 Series - 4 mm²; with snap-in mounting foot for vertical mounting; white

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 junction boxes.



Custom low-voltage lighting system



Lighting distribution in a ceiling canopy



Pendant light connection in a suspended ceiling

https://www.wago.com/221-413





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



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!