

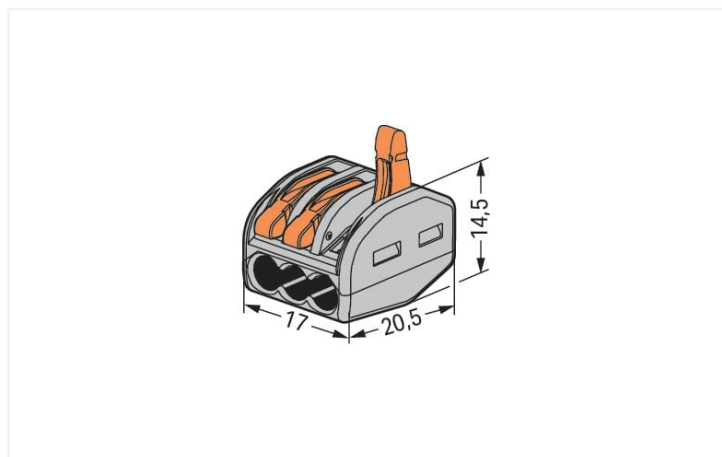
**Data Sheet | Item Number: 222-413**

Conector de îmbinare cu pârgă; pentru toate tipurile de conductori; max. 4 mm<sup>2</sup>; 3 conductori; carcasă gri; Temperatură aer ambiant: max 40°C; 2,50 mm<sup>2</sup>; gri

<https://www.wago.com/222-413>



Color: ■ gri



Dimensions in mm

## Notes

Safety management note

**NOTICE: Observe installation and safety instructions!**

- **Only to be used by electricians!**
- Do not work under voltage/load!
- Use only for proper use!
- Observe national regulations/standards/guidelines!
- Observe technical specifications for the products!
- Observe the number of permissible potentials!
- Do not use damaged/dirty components!
- Observe conductor types, cross-sections and strip lengths!
- Insert conductor until it hits the product's backstop!
- Use original accessories!

**To be sold only with installation instructions!**

Safety Information

in grounded power lines

## Electrical data

Ratings per	EN 60664		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	400 V
Rated surge voltage	-	-	4 kV
Rated current	-	-	32 A

## Connection data

Clamping units	3
Total number of potentials	1

## Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper Aluminum
Solid conductor	0,08 ... 2,5 mm <sup>2</sup> / 28 ... 12 AWG
Stranded conductor	0,08 ... 2,5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor	0,08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inci
Wiring direction	Side-entry wiring

## Physical data

Width	17 mm / 0.669 inci
Height	14,5 mm / 0.571 inci
Depth	20,5 mm / 0.807 inci

## Material data

Note (material data)

[Information on material specifications can be found here](#)

Color	gri
Flammability class per UL94	V0
Fire load	0.088 MJ
Actuator color	orange
Weight	4.3 g

### Environmental requirements

Ambient temperature (operation)	+40 °C
Continuous operating temperature	85 °C

### 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) Buc.
Packaging type	Box
Country of origin	DE
GTIN	4017332955676
Customs tariff number	85369010000

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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### Approvals / Certificates

#### General approvals



Approval	Standard	Certificate Name
ENEC 15 UL International Demko A/ S	EN 60998	ENEC-01360
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 Confor- mity 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



#### Compliance Search

Environmental Product  
Compliance 222-413



## Documentation

### Bid Text

222-413	19.02.2019	xml 3.37 KB	
222-413	23.01.2019	docx 15.39 KB	

## CAD/CAE-Data

### CAD data

2D/3D Models 222-413



### CAE data

EPLAN Data Portal  
222-413



WSCAD Universe  
222-413



ZUKEN Portal 222-413



## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Mounting adapter

##### 1.1.1.1 Mounting accessories

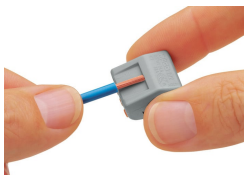


#### Item No.: 222-500

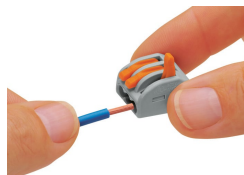
Suport de montaj; Seria 222; pt mont. pe  
șină DIN 35/montare cu șurub; portocaliu

## Installation Notes

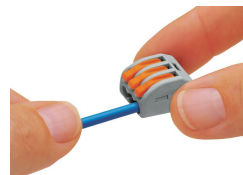
### Conductor termination



Strip conductor to 9 ... 10 mm (0.35 ...  
0.39 inch).



Termination: Lift the lever to open the  
clamping unit and insert a stripped con-  
ductor.



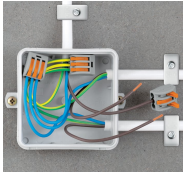
Then, lower the lever to close the clamp.

## Testing



Testing via Profi-LED+ voltage tester (206-806).

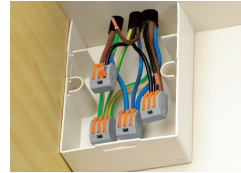
## Application



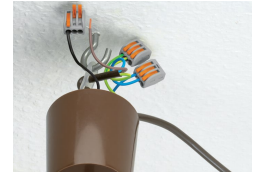
Wiring fine-stranded conductors in junction boxes.



Custom low-voltage lighting system



Connecting pre-wired and pre-fabricated components (e.g., in mobile homes).



Lighting fixture connection with fine-stranded wires and power feed



### Compact, lever-operated splicing connectors:

They connect up to five stripped, fine-stranded conductors from 0.08 to 4 mm<sup>2</sup> (28 ... 12 AWG), as well as solid or stranded conductors from up to 2.5 mm<sup>2</sup> (12 AWG) – without tools!

#### How they work:

Pull up one of the orange operating levers to open the clamping unit so that the lever engages and keeps the clamp in its opened position. 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.

ENEC is the European mark for electrical products that demonstrates compliance with European safety standards. The ENEC mark is subjected to the same EN standards as the VDE mark.

While the VDE mark is only permitted in Germany, the ENEC mark is accepted in more than 20 European countries.