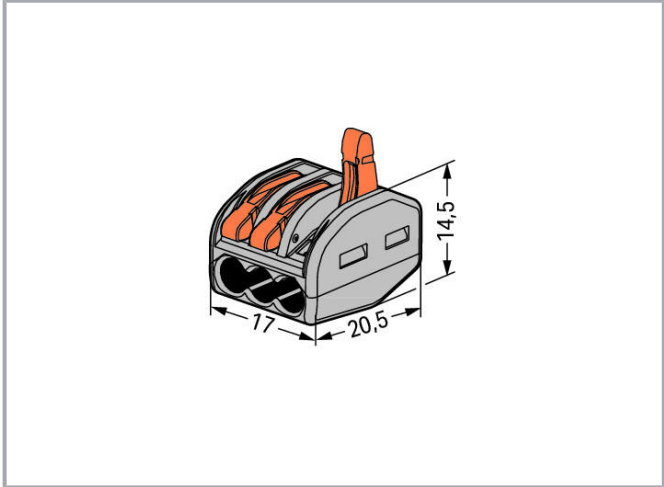
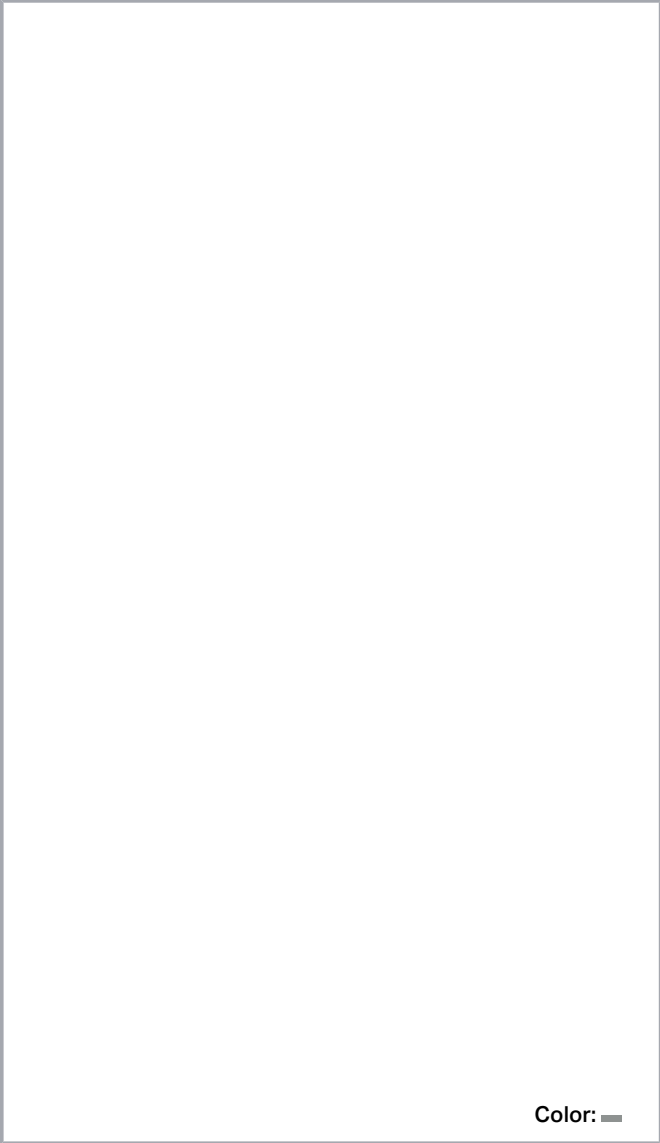


**Data sheet | Item number: 222-413**

CLASSIC Splicing Connector; for all conductor types; max. 4 mm<sup>2</sup>; 3-conductor; with levers; gray housing; Surrounding air temperature: max 40° C; 2,50 mm<sup>2</sup>; gray

[www.wago.com/222-413](http://www.wago.com/222-413)



**Data**

**Notes**

Safety information 1

in grounded power lines

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

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## Electrical data

### Ratings per IEC/EN

Ratings per	EN 60664
Nominal voltage (II/2)	400 V
Rated surge voltage (II/2)	4 kV
Rated current	32 A
Legend (ratings)	(II / 2) ≙ Overvoltage category II / Pollution degree 2

### Connection data

Total number of connection points	3
Total number of potentials	1

### Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper
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 inch
Wiring direction	Side-entry wiring

### Physical data

Width	17 mm / 0.669 inch
Height	14.5 mm / 0.571 inch
Depth	20.5 mm / 0.807 inch

### Material data

Note (material data)	Information on material data can be found here
Color	gray
Flammability class per UL94	V0
Fire load	0.088 MJ
Actuator color	orange
Weight	4.2 g

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

## Environmental requirements


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

## Commercial data



Product Group	7 (Push Wire Conn.)
PU (SPU)	500 (50) Stück
Packaging type	box
Country of origin VKOrg Germany	DE
GTIN	4017332955676
Customs tariff number VKOrg Germany	85369010000

## Approvals / Certificates

### Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>ENEC 15</b> UL International Demko A/S	EN 60998	ENEC-01360

### Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	-	18-HG1755093-PDA
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	EN 60998	TAE000015T
	<b>LR</b> Lloyds Register	EN 60998	04/20013 (E8)

### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>UL</b> UL International Germany GmbH	UL 486C	E69654

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



## Optional accessories

### Mounting adapter

Mounting accessories

Item no.: 222-500

Mounting carrier; 222 Series; for DIN-35 rail mounting/screw mounting; orange

[www.wago.com/222-500](http://www.wago.com/222-500)

## Downloads

### Documentation

#### Bid Text

222-413 X81 - Datei	19 feb. 2019	xml 3.5 kB	Download
222-413 docx - Datei	23 jan. 2019	docx 15.8 kB	Download

#### Additional Information

Technical Section Technical explanations		pdf 2.2 MB	Download
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## CAD/CAE-Data

### CAD data

2D/3D Models 222-413		URL	Download
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### CAE data

EPLAN Data Portal 222-413		URL	Download
WSCAD Universe 222-413		URL	Download
ZUKEN Portal 222-413		URL	Download

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

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 222-413

URL

Download

CLASSIC Splicing Connector; for all conductor types; max. 4 mm<sup>2</sup>; 3-conductor; with levers; gray housing; Surrounding air temperature: max 40°C; 2,50 mm<sup>2</sup>; gray

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## 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 conductor.



Then, lower the lever to close the clamp.

### Testing



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

### Application

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



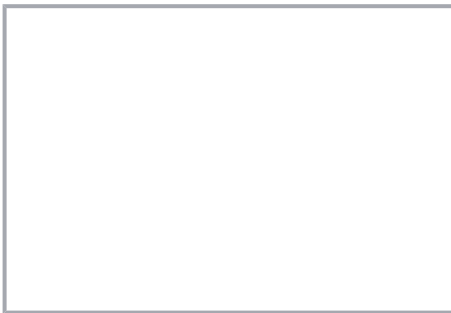
Wiring fine-stranded conductors in junction boxes.



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

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

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**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.

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