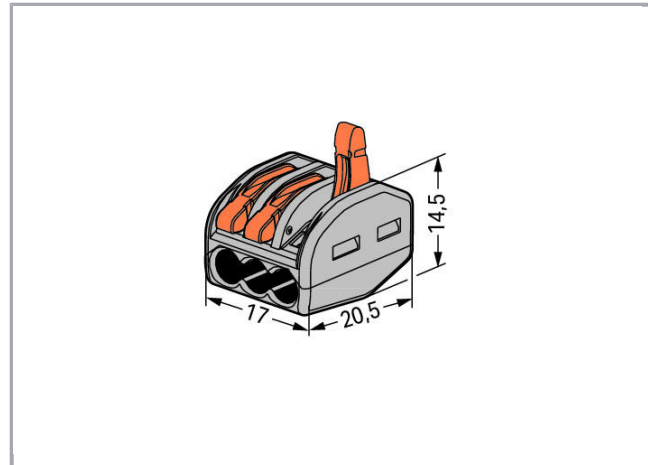


Data sheet | Item number: 222-413

CLASSIC Splicing Connector; for all conductor types; max. 4 mm²; 3-conductor; with levers; gray housing; Surrounding air temperature: max 40° C; 2,50 mm²; gray

www.wago.com/222-413



Item description

Safety information 1:
in grounded power lines

Data

Electrical data

Ratings per IEC/EN 60664-1

| Ratings per | EN 60664 |
|----------------------------|----------|
| Nominal voltage (II/2) | 400 V |
| Rated surge voltage (II/2) | 4 kV |

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

WAGO Middle East (FZC)
SAIF Zone, Q4-282
P.O. Box 120665 | Sharjah, UAE
Tel.: +971 6 5579920 | Fax: +971 6 5579921
Email: info.uae@wago.com

Do you have any questions about our products?
We are always happy to take your call at +971 6 5579920.



| | |
|------------------|--|
| Rated current | 32 A |
| Legend (ratings) | (II / 2) \triangleq Overvoltage category II / Pollution degree 2 |

Connection data

| | |
|-----------------------------------|--|
| Connection technology | CAGE CLAMP® |
| Actuation type | Lever |
| Connectable conductor materials | Copper |
| Solid conductor | 0.08 ... 2.5 mm ² / 28 ... 12 AWG |
| Stranded conductor | 0.08 ... 2.5 mm ² / 28 ... 12 AWG |
| Fine-stranded conductor | 0.08 ... 4 mm ² / 28 ... 12 AWG |
| Strip length | 9 ... 10 mm / 0.35 ... 0.39 inch |
| Total number of connection points | 3 |
| Total number of potentials | 1 |
| Wiring type | Side-entry wiring |

Geometrical Data

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

Material Data

| | |
|-----------------------------|----------|
| Color | gray |
| Flammability class per UL94 | V0 |
| Fire load | 0.088 MJ |
| Color of actuator | orange |
| Weight | 4.3 g |

Environmental Requirements

| | |
|---|--------------|
| Surrounding air temperature (operation) | 40 ... 40 °C |
| Continuous operating temperature | 85 ... 85 °C |

Commercial data

| | |
|-------------------|---------------------|
| Product Group | 7 (Push Wire Conn.) |
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4017332955676 |

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

WAGO Middle East (FZC)
SAIF Zone, Q4-282
P.O. Box 120665 | Sharjah, UAE
Tel.: +971 6 5579920 | Fax: +971 6 5579921
Email: info.uae@wago.com


Do you have any questions about our products?
We are always happy to take your call at +971 6 5579920.

Customs tariff number




8536901000

Approvals / Certificates



Country specific Approvals

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

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 |
|  | UL Underwriters Laboratories Inc. | UL 467 | E201573 |

Compatible products

Mounting adapter

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

WAGO Middle East (FZC)
SAIF Zone, Q4-282
P.O. Box 120665 | Sharjah, UAE
Tel.: +971 6 5579920 | Fax: +971 6 5579921
Email: info.uae@wago.com

Do you have any questions about our products?
We are always happy to take your call at +971 6 5579920.



Item no.: 222-500

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

www.wago.com/222-500

Downloads

Documentation

Bid Text

| | | | |
|-----------------------------|-------------|---------------|----------|
| 222-413 GAEB X81 - Datei | 19-Feb-2019 | xml 3.5 kB | Download |
|-----------------------------|-------------|---------------|----------|

| | | | |
|------------------------------|-------------|-----------------|----------|
| 222-413 GAEB docx - Datei | 23-Jan-2019 | docx 15.8 kB | Download |
|------------------------------|-------------|-----------------|----------|

Additional Information

| | | | |
|------------------------|-------------|---------------|----------|
| Technical explanations | 03-Apr-2019 | pdf 2.1 MB | Download |
|------------------------|-------------|---------------|----------|

CAD/CAE-Data

CAD data

| | | |
|----------------------|-----|----------|
| 2D/3D Models 222-413 | URL | Download |
|----------------------|-----|----------|

CAE data

| | | |
|---------------------------|-----|----------|
| EPLAN Data Portal 222-413 | URL | Download |
|---------------------------|-----|----------|

| | | |
|------------------------|-----|----------|
| WSCAD Universe 222-413 | URL | Download |
|------------------------|-----|----------|

| | | |
|----------------------|-----|----------|
| ZUKEN Portal 222-413 | URL | Download |
|----------------------|-----|----------|

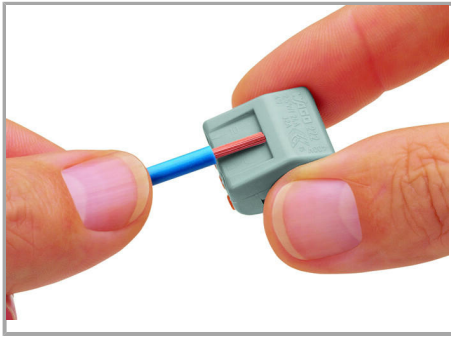
Installation Notes

Conductor termination

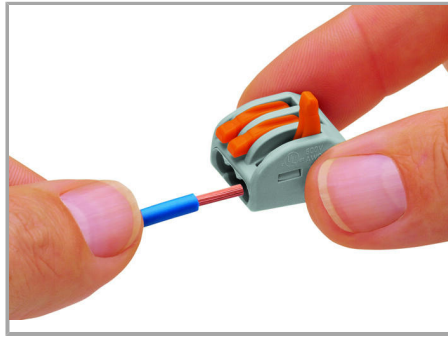
Subject to changes. Please also observe the further product documentation!

WAGO Middle East (FZC)
SAIF Zone, Q4-282
P.O. Box 120665 | Sharjah, UAE
Tel.: +971 6 5579920 | Fax: +971 6 5579921
Email: info.uae@wago.com

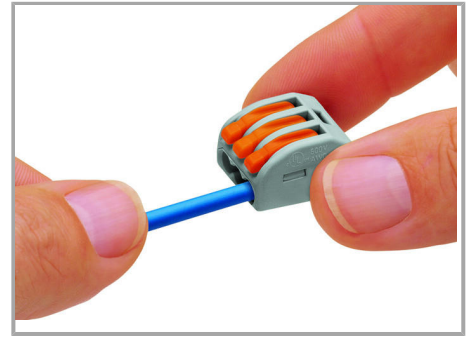
Do you have any questions about our products?
We are always happy to take your call at +971 6 5579920.



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



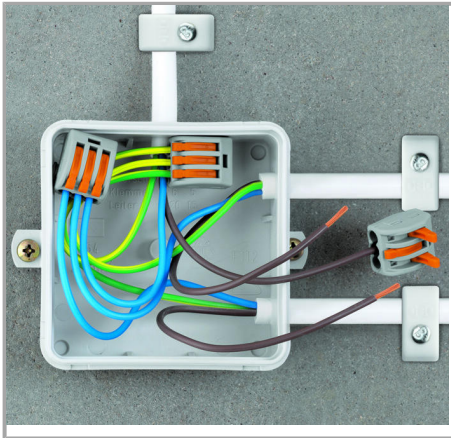
Testing via Profi-LED+ voltage tester (206-806).

Application

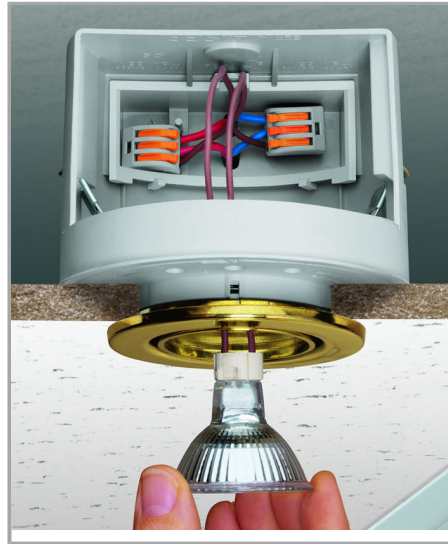
Subject to changes. Please also observe the further product documentation!

WAGO Middle East (FZC)
SAIF Zone, Q4-282
P.O. Box 120665 | Sharjah, UAE
Tel.: +971 6 5579920 | Fax: +971 6 5579921
Email: info.uae@wago.com

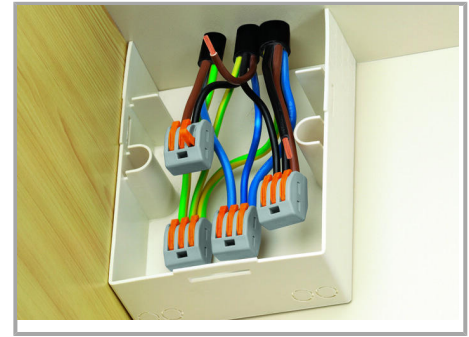
Do you have any questions about our products?
We are always happy to take your call at +971 6 5579920.



Wiring fine-stranded conductors in a junction box.



Custom low-voltage lighting system



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

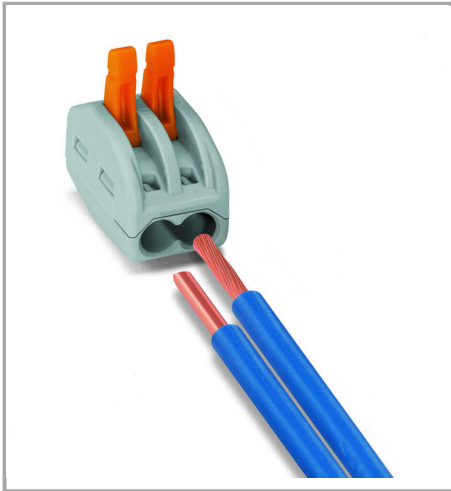


Lighting fixture connection with fine-stranded wires and power feed

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

WAGO Middle East (FZC)
SAIF Zone, Q4-282
P.O. Box 120665 | Sharjah, UAE
Tel.: +971 6 5579920 | Fax: +971 6 5579921
Email: info.uae@wago.com

Do you have any questions about our products?
We are always happy to take your call at +971 6 5579920.



Compact, lever-operated splicing connectors:

Tool-free connection of up to five stripped, fine-stranded conductors from 0.08 ... 4 mm² (28 ... 12 AWG), as well as solid or stranded conductors up to 2.5 mm² (12 AWG).

This is how it works:

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 specially designed rest position of the lever reliably prevents accidental unclamping of a connected conductor.

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



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!

WAGO Middle East (FZC)
SAIF Zone, Q4-282
P.O. Box 120665 | Sharjah, UAE
Tel.: +971 6 5579920 | Fax: +971 6 5579921
Email: info.uae@wago.com

Do you have any questions about our products?
We are always happy to take your call at +971 6 5579920.