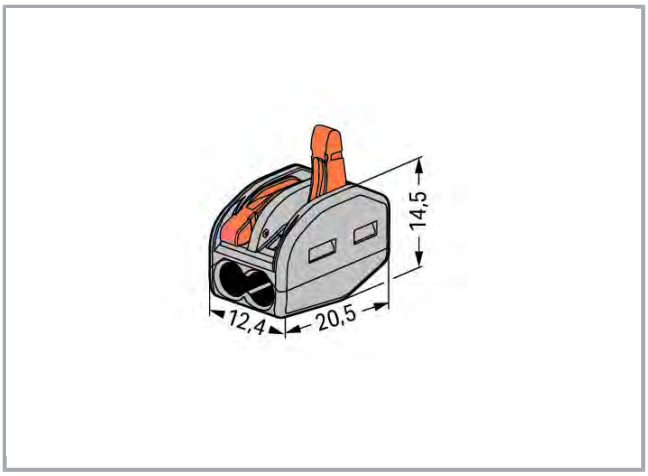
Data sheet | Item number: 222-412

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

RoHS ✓ Compliant

BOMcheck.net

Color:



Item description

Safety information 1:
in grounded power lines

Data

Electrical data

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

Ratings per IEC/EN 60664-1

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

Connection technology	CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper
Solid conductor	0,08 … 2,5 mm² / 28 … 12 AWG
Stranded conductor	0,08 … 2,5 mm² / 28 … 12 AWG
Fine-stranded conductor	0,08 … 4 mm² / 28 … 12 AWG
Strip length	9 … 10 mm / 0.35 … 0.39 inch
Total number of connection points	2
Total number of potentials	1
Wiring type	Side-entry wiring

Geometrical Data

Width	12,4 mm / 0.488 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	0.067 MJ
Weight	3.1 g

Environmental Requirements

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

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

Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4050821346470
Customs tariff number	85369010000

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

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

Counterpart

Compatible products

Mounting adapter

Item no.: 222-500
Mounting carrier; 222 Series; for DIN-35 rail mounting/screw mounting; orange

Item no.: 222-505
Strain relief plate; for mounting carrier; 221 or 222 Series, can be snapped

Item no.: 222-510
Angled DIN-rail adapter; in combination with mounting carrier; 221-500 or 222-500; for DIN-35 rail mounting; gray

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019

CAD/CAE-Data

CAD data

2D/3D Models 222-412

CAE data

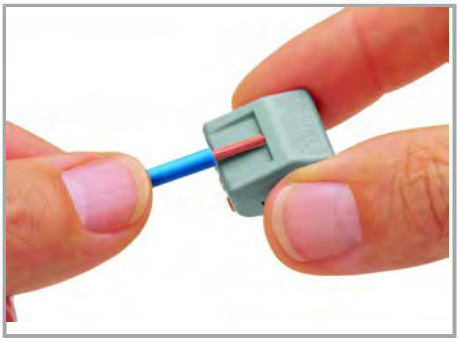
EPLAN Data Portal 222-412

WSCAD Universe 222-412

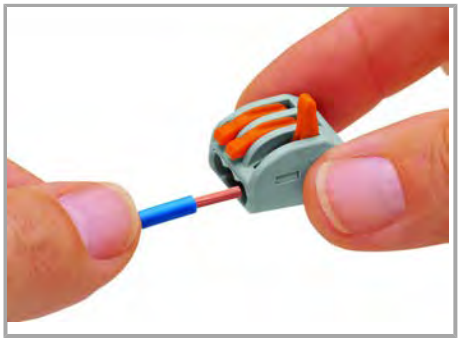
Installation Notes

Conductor termination

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



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.

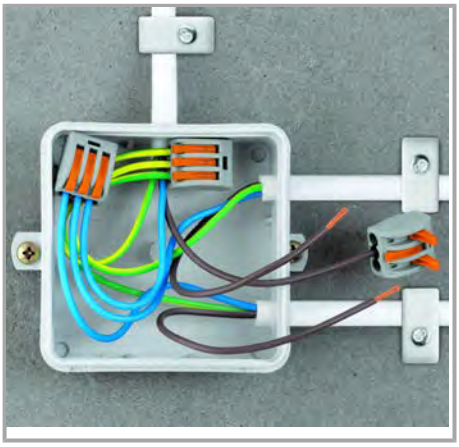
Then, lower the lever to close the clamp.

Testing

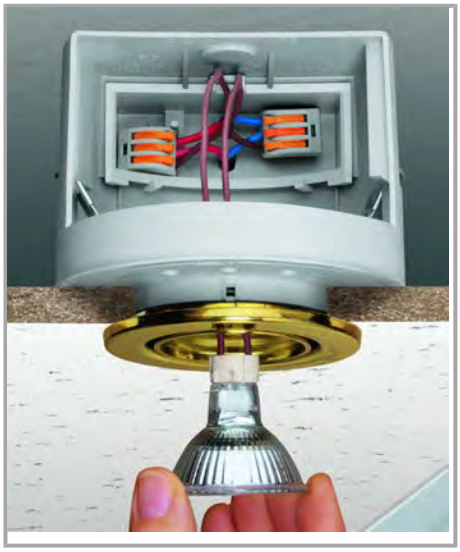
Testing via Profi-LED+ voltage tester (206-806).

Application

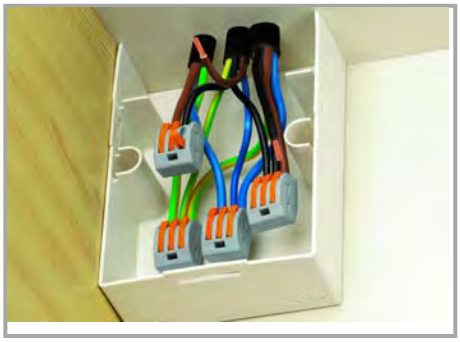
Subject to changes. Please also observe the further product documentation!



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!

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!