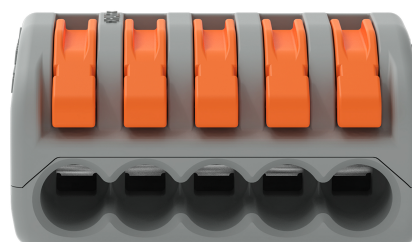


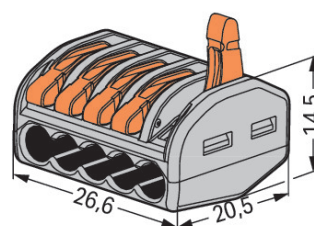
Data Sheet | Item Number: 222-415

Splicing connector with levers; for all conductor types; max. 4 mm²; 5-conductor; gray housing; Surrounding air temperature: max 40°C; 2,50 mm²; gray

<https://www.wago.com/222-415>



Color: ■ gray



Dimensions in mm

Splicing connector with levers, 222 Series, CAGE CLAMP®

Seamless electrical installations are guaranteed with splicing connector with levers (item number 222-415). Whether for intercom system wiring or connecting electrical ovens, WAGO's 222 Series splicing connector allows you to quickly and safely connect different conductor types. Its compact design offers an efficient solution that simplifies your work. Ensure that the strip lengths are between 9 and 10 mm when connecting conductors to splicing connector with levers. Our

splicing connector is rated for 400 V and is designed to handle a rated current of up to 32 A. It can therefore be used in high-load applications. This product features conductor terminals and utilizes CAGE CLAMP®. Our celebrated universal connection known as CAGE CLAMP® is the industry standard for connection technology and electrical interconnections. The item's dimensions are (26.6 x 14.5 x 20.5) mm (width x height x depth). Splicing connector with levers is suitable for conductor cross sections ranging from 0.08 mm² to 2.5 mm².

WAGO's 221 Series Splicing Connector with levers impresses with its innovative design for different conductor cross-sections. That's why WAGO's lever-equipped splicing connector holds a unique trademark within electrical interconnection technology. The flat levers, which fit seamlessly into the 221's base, act like a cast when closed and can be positioned neatly in any housing without disturbing edges. Due to the wide design of each lever, they can all be operated perfectly without tools for convenient conductor terminations. The transparent housing displays robust technology and enables immediate visual inspection for the correct contact of solid, stranded and fine-stranded conductors. Resembling piano keys, the levers' design perfectly combines the functional and aesthetic connection technology "Made by WAGO."

Notes	
General safety information	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				General information	
Ratings per		EN 60664		Wiring direction	Side-entry wiring
Overvoltage category	III	III	II		
Pollution degree	3	2	2		
Nominal voltage	-	-	400 V		
Rated impulse withstand voltage	-	-	4 kV		
Rated current	-	-	32 A		

Connection Data		Connection 1	
Clamping units	5	Connection technology	CAGE CLAMP®
Total number of potentials	1	Actuation type	Lever
		Note (actuation)	Do not leave the 222 Series levers in the open position for extended periods. High spring forces may impair the ability to connect conductors at the maximum cross-section.
		Connectable conductor materials	Copper Aluminum

Connection 1	
Connectable conductor materials (note)	Terminating Aluminum Conductors WAGO Spring-Clamp Terminal Blocks are suitable for solid aluminum conductors up to 4 mm²/12 AWG if WAGO Aluminum Contact Paste 249-130 is used for termination. Aluminum Contact Paste Advantages: ▪ Automatically destroys the oxide film during clamping. ▪ Prevents fresh oxidation at the clamping point. ▪ Prevents electrolytic corrosion between aluminum and copper conductors (in the same terminal block). ▪ Provides long-term protection against corrosion. Using terminal blocks with CAGE CLAMP® Spring Pressure Connection Technology, aluminum conductors must first be cleaned with a blade and then immediately inserted into the clamping units filled with aluminum contact paste. It is also possible to apply WAGO Aluminum Contact Paste additionally on the whole surface of the aluminum conductor before termination. Please note that the nominal currents must be adapted to the reduced conductivity of the aluminum conductors:: 2.5 mm² = 16 A 4 mm² = 22 A
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 inches
Wiring direction	Side-entry wiring

Physical data	
Width	26.6 mm / 1.047 inches
Height	14.5 mm / 0.571 inches
Depth	20.5 mm / 0.807 inches

Material data	
Note (material data)	Information on material specifications can be found here
Color	gray
Flammability class per UL94	V0
Fire load	0.112 MJ
Actuator color	orange
Weight	6.6 g



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

Commercial data		
Product Group		7 (Push Wire Conn.)
PU (SPU)		400 (40) pcs
Packaging type		Box
Country of origin		DE
GTIN		4044918464956
Customs tariff number		85369010000

Product Classification		
UNSPSC		39121409
eCl@ss 10.0		27-14-11-04
eCl@ss 9.0		27-14-11-04
ETIM 9.0		EC000446
ETIM 10.0		EC000446
ECCN		NO US CLASSIFICATION

Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
ENEC 15 UL International Demko A/S	EN 60998	ENEC-01360
UL UL International Germany GmbH	UL 486C	E69654
UL Underwriters Laboratories Inc.	UL 467	E201573

Declarations of conformity and manufacturer's declarations

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

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	23-2417173-PDA
LR Lloyds Register	EN 60998	LR2446364TA
PRS Polski Rejestr Statków	EN 60998	TE/1093/880590/23

Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance 222-415			

Documentation

Bid Text			
222-415	19.02.2019	xml 3.38 KB	
222-415	23.01.2019	docx 15.39 KB	

CAD/CAE-Data

CAD data	
2D/3D Models 222-415	

CAE data	
EPLAN Data Portal 222-415	
WSCAD Universe 222-415	
ZUKEN Portal 222-415	

1 Compatible Products

1.1 Optional Accessories

1.1.1 Mounting adapter

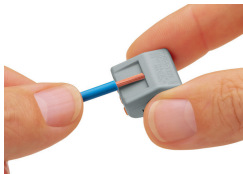
1.1.1.1 Mounting accessories



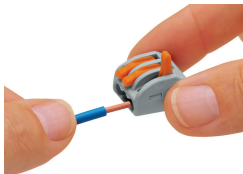
Item No.: 222-500
Mounting carrier; 222 Series; for DIN-35 rail mounting/screw mounting; orange

Installation Notes

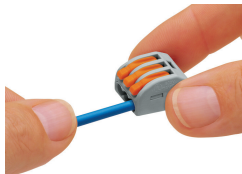
Conductor termination



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.



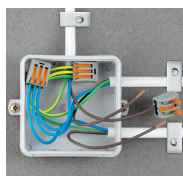
Then, lower the lever to close the clamp.

Testing



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

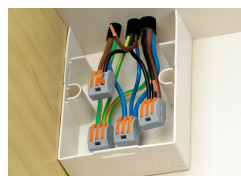
Application



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 mm² (28 ... 12 AWG), as well as solid or stranded conductors from up to 2.5 mm² (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.