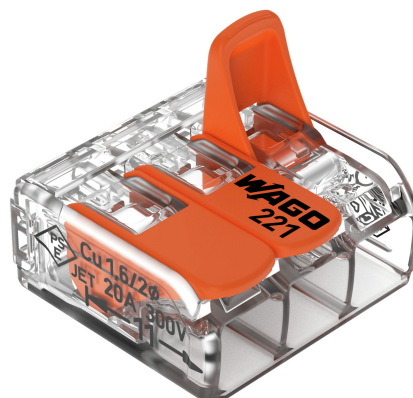
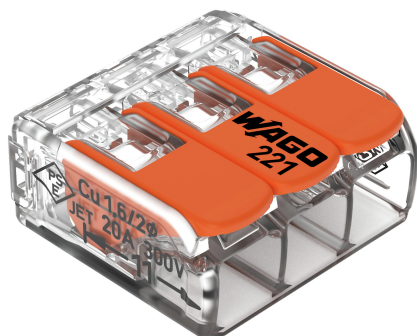


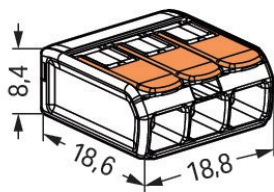
Fișă tehnică | Număr articol: 221-413

Conector COMPACT; pentru toate tipurile de conductori; max. 4 mm²; 3 conductori;
cu levier; carcasă transparentă; Temperatură aer ambiant: max 85°C (T85); 4,00
mm²; transparent

<https://www.wago.com/221-413>



Culoare: ☒ transparent



Dimensions in mm

Your benefits:

- Ease of use – pull the lever up, insert a conductor and push the lever back down
- Available as 2-, 3- and 5-wire connectors
- Easily terminate conductors from 0.14 to 4 mm²
- Connect solid, stranded and fine-stranded conductors
- Save time for installers and device manufacturers
- Quickly install devices with higher power consumption
- Safely install long cable runs with larger conductor cross sections
- Mounting carrier for installation conforms to standards
- Custom carriers are possible

Notes

Safety information 1

in grounded power lines



Electrical data			
Ratings per IEC/EN		Ratings per UL	
Ratings per	EN 60664	Approvals per	UL 486C
Nominal voltage (II/2)	450 V	Rated voltage UL (Use Group C)	600 V
Rated surge voltage (II/2)	4 kV	Rated current UL (Use Group C)	20 A
Rated current	32 A		
Legend (ratings)	(II / 2) ≙ Overvoltage category II / Pollution degree 2		

Connection data			
Total number of connection points	3	Connection 1	
Total number of potentials	1	Connection technology	CAGE CLAMP®
		Actuation type	Lever
		Connectable conductor materials	Copper
		Nominal cross-section	4 mm² / 12 AWG
		Solid conductor	0,2 ... 4 mm² / 24 ... 12 AWG
		Stranded conductor	0,2 ... 4 mm² / 24 ... 12 AWG
		Fine-stranded conductor	0,14 ... 4 mm² / 24 ... 12 AWG
		Strip length	11 mm / 0.43 inch
		Wiring direction	Side-entry wiring

Physical data		
Width	18,8 mm / 0.74 inch	
Height	8,6 mm / 0.327 inch	
Depth	18,8 mm / 0.732 inch	

Material data		
Note (material data)	Information on material data can be found here	
Color	transparent	
Flammability class per UL94	V2	
Fire load	0.048 MJ	
Actuator color	orange	
Weight	2.5 g	

Environmental requirements		
Ambient temperature (operation)	+85 °C	
Continuous operating temperature	105 °C	
Temperature marking per EN 60998	T85	

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 7.0	EC000446	
ETIM 6.0	EC000446	
PU (SPU)	500 (50) Stück	
Packaging type	Box	
Country of origin VKOrg Germany	DE	
GTIN	4050821808442	
Customs tariff number VKOrg Germany	85369010000	



Aprobări / certificate

Certificări locale specifice



Aprobare	Gama standard	Nume certificat
CCA DEKRA Certification B.V.	EN 60998	NTR NL-7827
KEMA/KEUR DEKRA Certification B.V.	EN 60998	71-113253 REV. 1

Certificări transport



Aprobare	Gama standard	Nume certificat
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	04/20013 (E8)

UL-Approvals



Aprobare	Gama standard	Nume certificat
UL UL International Germany GmbH	UL 486C	E69654

Descărcări

Documentation

Additional Information		
Technical Section	pdf 2142.18 KB	↓

Bid Text			
221-413	19.02.2019	xml 3.43 KB	↓
221-413	23.01.2019	docx 15.29 KB	↓
ausschreiben.de 221-413			↓

CAD/CAE-Data

CAD data
2D/3D Models 221-413

CAE data
EPLAN Data Portal 221-413
ZUKEN Portal 221-413

1 Produse compatibile

1.1 Accesorii opționale

1.1.1 Jumper

1.1.1.1 Jumper



Nr. articol: 221-941/000-006

Șunt; pentru intrare conductor; 2 căi; izolat; albastru



Nr. articol: 221-942/000-006

Șunt; pentru intrare conductor; 2 căi; izolat; albastru



Nr. articol: 221-941

Șunt; pentru intrare conductor; 2 căi; izolat; gri închis



Nr. articol: 221-942

Șunt; pentru intrare conductor; 2 căi; izolat; gri închis

1.1.2 Mounting adapter

1.1.2.1 Mounting accessories



Nr. articol: 221-513

Suport de montaj; pentru reglete cu 3 conductori; Seria 221 - 4 mm²; cu picior de montare pentru montare orizontală; alb



Nr. articol: 221-513/000-004

Suport de montaj; pentru reglete cu 3 conductori; Seria 221 - 4 mm²; cu picior de montare pentru montare orizontală; negru



Nr. articol: 221-523

Suport de montaj; pentru reglete cu 3 conductori; Seria 221 - 4 mm²; cu picior de montare pentru montare verticală; alb



Nr. articol: 221-523/000-004

Suport de montaj; pentru reglete cu 3 conductori; Seria 221 - 4 mm²; cu picior de montare pentru montare verticală; negru



Nr. articol: 221-503

Suport de montaj; pentru reglete cu 3 conductori; Seria 221 - 4 mm²; pentru montare cu șurub; alb



Nr. articol: 221-503/000-004

Suport de montaj; pentru reglete cu 3 conductori; Seria 221 - 4 mm²; pentru montare cu șurub; negru



Nr. articol: 221-500/000-006

Suport de montaj; Seria 221 - 4 mm²; pt mont. pe șină DIN 35/montare cu șurub; albastru



Nr. articol: 221-500/000-053

Suport de montaj; Seria 221 - 4 mm²; pt mont. pe șină DIN 35/montare cu șurub; gri-galben închis

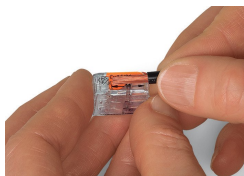


Nr. articol: 221-500

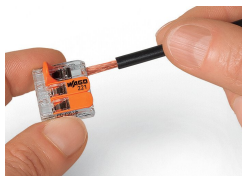
Suport de montaj; Seria 221 - 4 mm²; pt mont. pe șină DIN 35/montare cu șurub; portocaliu

Note de instalare

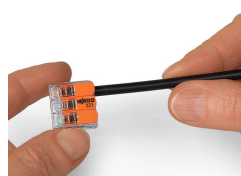
Conductor termination



Strip conductor to 11 mm (0.43 inch).

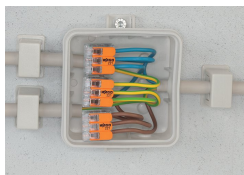


Termination: Lift the lever to open the clamping unit and insert a stripped conductor.



Then, lower the lever to close the clamp.

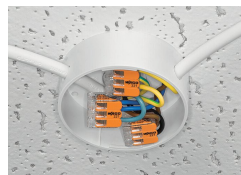
Application



Wiring fine-stranded conductors in junction boxes.



Custom low-voltage lighting system



Lighting distribution in a ceiling canopy



Pendant light connection in a suspended ceiling



COMPACT Splicing Connectors for All Conductor Types (4 mm²), 221 Series



Compact, lever-operated splicing connectors:

Tool-free connection of up to five stripped, fine-stranded conductors from 0.14 ... 4 mm², as well as solid or stranded conductors from 0.2 ... 4 mm² (24 ... 12 AWG).

How they work:

Pull up an orange lever to open the clamping unit. 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.