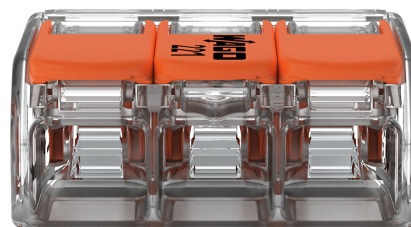
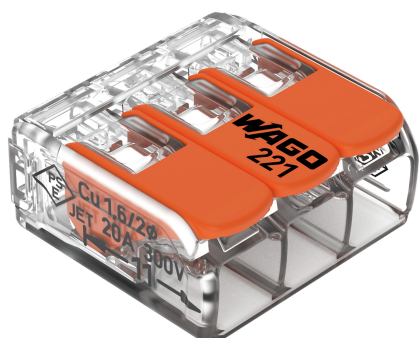


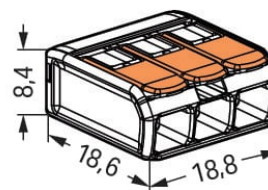
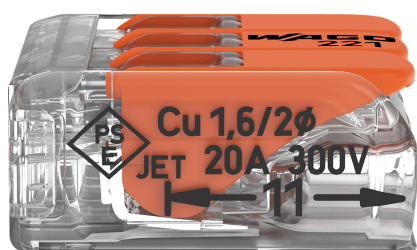
Data Sheet | Item Number: 221-413

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>



Color: ☐ 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 1059	
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			
Connection points	3	Connection 1	
Total number of potentials	1	Connection technology	CAGE CLAMP®
		Actuation type	Lever
		Connectable conductor materials	Copper
		Solid conductor	0,2 ... 4 mm² / 24 ... 12 AWG
		Fine-stranded conductor	0,14 ... 4 mm² / 24 ... 12 AWG
		Wiring direction	Side-entry wiring

Physical data	
Width	18,8 mm / 0.74 inci

Material Data	
Note (material data)	Information on material specifications can be found here
Color	transparent
Insulation material	Polycarbonate (PC)
Flammability class per UL94	V2
Fire load	0.064 MJ
Actuator color	orange
Weight	2.5 g

Environmental requirements	
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 8.0	EC000446
ETIM 7.0	EC000446
PU (SPU)	500 (50) Buc.
Packaging type	Box
Country of origin	DE
GTIN	4050821808442
Customs tariff number	85369010000



Approvals / Certificates

General approvals			Approvals for marine applications		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60998	NTR NL-7827	ABS American Bureau of Ship- ping	-	18-HG1755093-PDA
ENEC 05 DEKRA Certification B.V.	EN 60998	71-113253 REV.1	DNV GL Det Norske Veritas, Ger- manischer Lloyd	EN 60998	TAE000015T
UL_Listed_64KA UL International Germany GmbH	UL 467	E201573	LR Lloyds Register	EN 60998	LR22207029TA
UL UL International Germany GmbH	UL 486C	E69654			

Downloads

Documentation

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	CAE data
2D/3D Models 221-413	EPLAN Data Portal 221-413
↓	ZUKEN Portal 221-413
	↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 General accessories

1.1.1.1 Empty housings



Item No.: 207-4301

Cutie de conexiuni; Derivație; pentru cabluri multimedez; Seria 221; conectori de max. 4 mm²; fără conectori pentru cutia de joncțiune; alb

1.1.1.2 Moisture protection



Item No.: 207-1331

Gelbox; Derivație; pentru cabluri; cu gel; Seriile 221, 2x73; conectori de max. 4 mm²; fără conectori pentru cutia de joncțiune; Mărimea 1; gri



Item No.: 207-1333

Gelbox; Derivație; pentru cabluri; cu gel; Seriile 221, 2x73; conectori de max. 4 mm²; fără conectori pentru cutia de joncțiune; Mărimea 3; gri

1.1.2 Jumper

1.1.2.1 Jumper



Item No.: 221-941/000-006

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



Item No.: 221-942/000-006

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



Item No.: 221-941

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



Item No.: 221-942

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

1.1.3 Mounting adapter

1.1.3.1 Mounting accessories



Item No.: 221-513

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



Item No.: 221-513/000-004

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



Item No.: 221-523

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



Item No.: 221-523/000-004

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



Item No.: 221-503

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



Item No.: 221-503/000-004

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



Item No.: 221-500/000-006

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



Item No.: 221-500/000-053

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

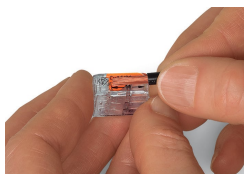


Item No.: 221-500

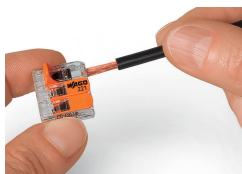
Suport de montaj; Seria 221 - 4 mm²; pt mont. pe șină DIN 35/montare cu șurub; portocaliu

Installation Notes

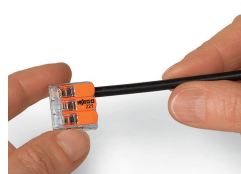
Conductor termination



Strip conductor to 11 mm (0.43 inch).

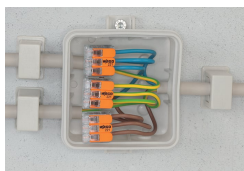


Termination: Lift the lever to open the clamping unit and insert a stripped conductor.



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.