

Data Sheet | Item Number: 221-613

Conector de îmbinare cu pârgă; pentru toate tipurile de conductori; max. 6 mm²; 3 conductori; carcasă transparentă; Temperatură aer ambiant: max 85°C (T85); 6,00 mm²; transparent

<https://www.wago.com/221-613>



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 0.5 to 6 mm²
- Connection of all conductor types
- Time savings 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	
Sicherheitshandhabungshinweis	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				
Ratings per		EN 60664		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	-	-	450 V	
Rated surge voltage	-	-	4 kV	
Rated current	-	-	41 A	

Approvals per		UL 486C		
Use group	B	C	D	
Rated voltage	-	600 V	-	
Rated current	-	30 A	-	

Connection data	
Connection points	3
Total number of potentials	1

Connection 1	
Connection technology	CAGE CLAMP®
Actuation type	Lever
Connectable conductor materials	Copper
Nominal cross-section	6 mm² / 10 AWG
Solid conductor	0,5 ... 6 mm² / 20 ... 10 AWG
Stranded conductor	0,5 ... 6 mm² / 20 ... 10 AWG
Fine-stranded conductor	0,5 ... 6 mm² / 20 ... 10 AWG
Strip length	12 ... 14 mm / 0.47 ... 0.55 inci
Wiring direction	Side-entry wiring



Physical data	
Width	22,9 mm / 0.902 inci
Height	10,1 mm / 0.398 inci
Depth	21,1 mm / 0.831 inci

Material data	
Note (material data)	Information on material specifications can be found here
Color	transparent
Cover color	transparent
Insulation material	Polycarbonate (PC)
Flammability class per UL94	V2
Fire load	0.094 MJ
Actuator color	orange
Weight	4 g

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

Commercial data	
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)	300 (30) Buc.
Packaging type	Box
Country of origin	CH
GTIN	4055143715416
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
  		
Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 60998	NL-81003
cULus_Listed_667F Underwriters Laboratories Inc.	UL 486C	E69654
ENEC 05 DEKRA Certification B.V.	EN 60998	71-123784
UL_Listed_64KA UL International Germany GmbH	UL 467	E201573
		Approval
		Standard
		Certificate Name
		EU-Declaration of Confor- mity WAGO GmbH & Co. KG
		UK-Declaration of Confor- mity WAGO GmbH & Co. KG



Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	EN 60998	18-HG1755093-PDA
DNV GL Det Norske Veritas, Ger- manischer Lloyd	EN 60998	TAE000015T
LR Lloyds Register	EN 60998	LR22207029TA

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 221-613



Documentation

Bid Text			
221-613	19.02.2019	xml 3.48 KB	
221-613	23.01.2019	docx 15.05 KB	
ausschreiben.de 221-613			



CAD/CAE-Data

CAD data
2D/3D Models 221-613



CAE data
EPLAN Data Portal 221-613
ZUKEN Portal 221-613



1 Compatible Products

1.1 Optional Accessories

1.1.1 General accessories

1.1.1.1 Moisture protection



Item No.: 207-1431
Gelbox; Derivație; pentru cabluri; cu gel;
Seria 221; conectori de max. 6 mm²; fără
conectori pentru cutia de joncțiune; Mări-
mea 1; gri



Item No.: 207-1433
Gelbox; Derivație; pentru cabluri; cu gel;
Seria 221; conectori de max. 6 mm²; fără
conectori pentru cutia de joncțiune; Mări-
mea 3; gri

1.1.2 Jumper

1.1.2.1 Jumper



Item No.: 221-941/000-006
Șunt; pentru intrare conductor; 2 căi; izo-
lat; albastru



Item No.: 221-942/000-006
Șunt; pentru intrare conductor; 2 căi; izo-
lat; albastru



Item No.: 221-941
Șunt; pentru intrare conductor; 2 căi; izo-
lat; gri închis



Item No.: 221-942
Șunt; pentru intrare conductor; 2 căi; izo-
lat; gri închis

1.1.3 Mounting adapter

1.1.3.1 Mounting accessories



Item No.: 221-510/000-006
Suport de montaj; Seria 221 - 6 mm²; pt
mont. pe șină DIN 35/montare cu șurub;
albastru



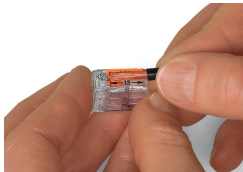
Item No.: 221-510/000-053
Suport de montaj; Seria 221 - 6 mm²; pt
mont. pe șină DIN 35/montare cu șurub;
gri-galben închis



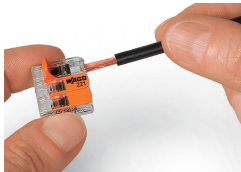
Item No.: 221-510
Suport de montaj; Seria 221 - 6 mm²; pt
mont. pe șină DIN 35/montare cu șurub;
portocaliu

Installation Notes

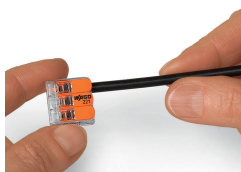
Conductor termination



Strip conductor to 12 ... 14 mm.

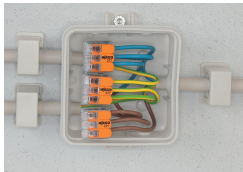


Termination: Lift the lever to open the
clamping unit and insert a stripped con-
ductor.



Then, lower the lever to close the clamp.

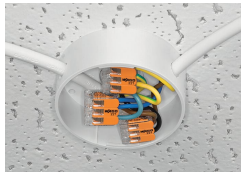
Application



Wiring fine-stranded conductors in junc-
tion 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 (6 mm²), 221 Series