

Data Sheet | Item Number: 221-612

Conector de îmbinare cu pârgă; pentru toate tipurile de conductori; max. 6 mm²; 2 conductori; carcasă transparentă; Temperatură aer ambiant: max 85°C (T85); 6,00 mm²; transparent

<https://www.wago.com/221-612>



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	2
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	16 mm / 0.63 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	0.064 MJ
Actuator color	orange
Weight	3 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)	500 (50) Buc.
Packaging type	Box
Country of origin	CH
GTIN	4055143704168
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									
		<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr></table>	Approval	Standard	Certificate Name	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
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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 221-612



Documentation

Bid Text			
221-612	19.02.2019	xml 3.47 KB	
221-612	23.01.2019	docx 15.62 KB	
ausschreiben.de 221-612			

CAD/CAE-Data

CAD data
2D/3D Models 221-612



CAE data
EPLAN Data Portal 221-612
ZUKEN Portal 221-612



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; Mărirea 1; gri	Item No.: 207-1432 Gelbox; Derivație; pentru cabluri; cu gel; Seria 221; conectori de max. 6 mm²; fără conectori pentru cutia de joncțiune; Mărirea 2; gri	Item No.: 207-1433 Gelbox; Derivație; pentru cabluri; cu gel; Seria 221; conectori de max. 6 mm²; fără conectori pentru cutia de joncțiune; Mărirea 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.: 221-510/000-006 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 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 (6 mm²), 221 Series