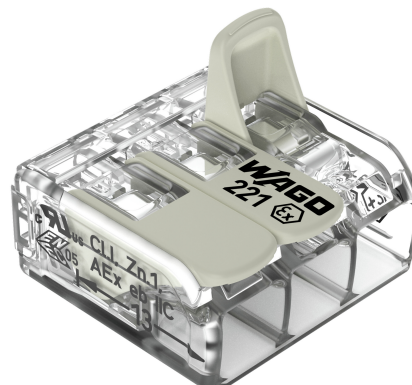
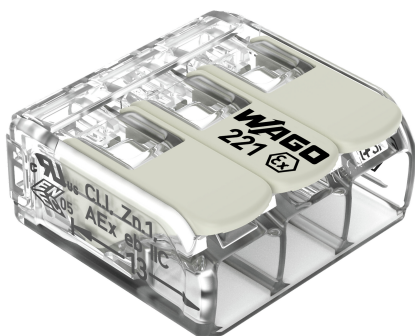


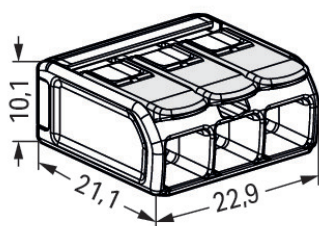
| : 221-683

COMPACT Splicing Connector; for all conductor types; for Ex e applications; max. 6 mm²; 3-conductor; with levers; transparent housing; Operating temperature (max.): 105 °C; 6,00 mm²; transparent

<https://www.wago.com/221-683>



: ☐ 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 0.5 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
- Working voltages of 275 V or 440 V
- Custom carriers are possible
- ATEX (Ex 2 II G), IECEx (Ex eb IIC Gb) Zone 1, 2
- IECEx (Ex eb IIC Gb), American Ex (AEx eb IICGb) / Class 1, Zone 1

Notes	
Safety information 1	The permissible operating voltage of the connector with carrier (440 V or 275 V) depends on the mounting type.
Safety information 2	Only approved in conjunction with a mounting carrier (221-511). Other carriers are possible, see certificate/file. The connectors must be installed in an enclosure meeting the requirements of a recognized protection type per EN 60079-0, Section 1 or EN 60079-31. When installing the connectors in an enclosure of protection type “eb” (increased safety) per EN 60079-7, the clearances and creepage distances of Table 2 for this standard must be observed. See point 1 for the use of accessories. The connectors can be used both in Group II and Group I, as the standard requirements are identical in this case. The use of these components requires a new assessment by a notified certification agency.

Electrical data	
Ratings per IEC/EN	
Ratings per	IEC/EN 60079-7
Ratings per UL	
Approvals per	UL 60079
Rated voltage UL (Use Group C)	440 V
Rated current UL (Use Group C)	30 A

Ex information	
Ratings per	ATEX: PTB 19 ATEX 1001 U / IECEx: PTB 19.001 1U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	37 A

Connection data	
Total number of 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 inches
Wiring direction	Side-entry wiring

Physical data	
Width	22.9 mm / 0.902 inches
Height	10.1 mm / 0.398 inches
Depth	21.1 mm / 0.831 inches

Material data		
Note (material data)	Information on material data can be found here	
Color	transparent	
Material group	IIIa	
Flammability class per UL94	V2	
Fire load	0.097 MJ	
Actuator color	light gray	
Weight	4.3 g	

Environmental requirements		
Continuous operating temperature	-55 ... +105 °C	

Commercial data		
ETIM 8.0	EC000446	
ETIM 7.0	EC000446	
PU (SPU)	300 (30) Stück	
Packaging type	Box	
Country of origin VKOrg Germany	CH	
GTIN	4055143860574	
Customs tariff number VKOrg Germany	85369010000	

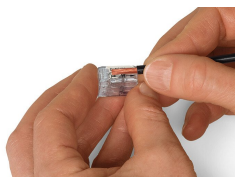
Approvals and certificates

Ex-Approvals			Country specific Approvals		
					
AEx Underwriters Laboratories Inc.	UL 60079	E185892 (AEx eb IIC resp. Ex eb IIC)	KEMA/KEUR DEKRA Certification B.V.	EN 60998	71-105677
ATEX Physikalisch Technische Bundesanstalt	IEC 60079-0	PTB 19 ATEX 1001 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb)			
CCCEX CQST/CNEEx	CNCA-C23-01	2020312313000185			
IECEX Physikalisch Technische Bundesanstalt	IEC 60079-0	IECEX PTB 19.001 1U (EX eb IIC Gb or Ex eb I Mb)			

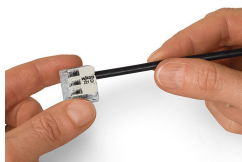
Ship Approvals			UL-Approvals		
					
LR Lloyds Register	EN 60998	04/20013 (E8)	UL Underwriters Laboratories Inc.	UL 486C	E69654

Installation notes

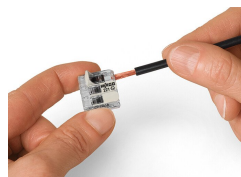
Conductor termination



Strip conductor to 11 mm (0.43 inch).

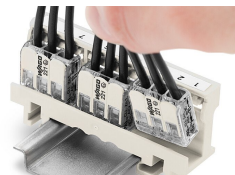


Then, lower the lever to close the clamp.

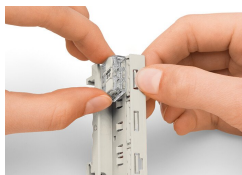


Termination: Lift the lever to open the clamping unit and insert a stripped conductor.

Installation



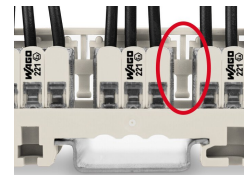
Inserting a connector into the mounting carrier.



Removing a connector from the mounting carrier.



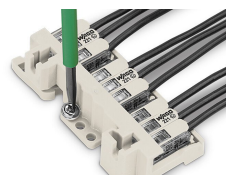
Removing a conductor.



Mounting type (440 V)
Using spacers between the connectors.



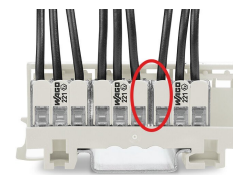
Mounting type (440 V)
Vertical mounting on DIN-35 rail



Mounting type (440 V)
Horizontal screw mounting on a flat surface



Mounting type (440 V)
Mounting the carrier via non-conductive screws.

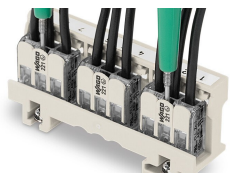


Mounting type (275 V)
No spacers are used between the connectors.



Mounting type (275 V)
Mounting the carrier using conductive screws.

Testing



Easily test inserted connectors in the carrier – however they are mounted.