

Data Sheet | Item Number: 221-420

Conector de îmbinare cu pârgă; pentru toate tipurile de conductori; max. 4 mm²; 10 conductori; carcasă transparentă; Temperatură aer ambiant: max 85°C (T85); 4,00 mm²; transparent

<https://www.wago.com/221-420>



Splicing connector with levers, 221 Series, lever

Error-free electrical installations are guaranteed with splicing connector with levers (item number 221-420). From intercom system wiring to electric ovens—connecting various conductor types is quick and easy with WAGO's practical 221 Series splicing connector. This splicing connector has a rated voltage of 450 V and can handle currents up to 32 A, making it ideal for high-load applications. Ensure that the strip lengths are 11 mm when connecting conductors to splicing connector with levers. This product features conductor terminals and utilizes CAGE CLAMP®. Our highly-rated and maintenance-free CAGE CLAMP® connection makes it easy to connect all conductor types without having to prepare the conductor. For example, you don't need to crimp ferrules. The dimensions are 29.8 x 15.8 x 18.3 mm (width x height x depth). Splicing connector with levers is suitable for conductor cross sections ranging from 0.2 mm² to 4 mm².

WAGO's 221 Series Splicing Connector with levers impresses with its innovative design for different conductor cross-sections. That's why WAGO's lever-equipped splicing connector holds a unique trademark within electrical interconnection technology. The flat levers, which fit seamlessly into the 221's base, act like a cast when closed and can be positioned neatly in any housing without disturbing edges. Due to the wide design of each lever, they can all be operated perfectly without tools for convenient conductor terminations. The transparent housing displays robust technology and enables immediate visual inspection for the correct contact of solid, stranded and fine-stranded conductors. Resembling piano keys, the levers' design perfectly combines the functional and aesthetic connection technology "Made by WAGO." This product is designed for specific Ex applications (please refer to the product datasheet).

Notes	
General safety instructions	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 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 impulse withstand 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																				
Clamping units	10	Connection 1 <table><tr><td>Connection technology</td><td>CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Lever</td></tr><tr><td>Connectable conductor materials</td><td>Copper</td></tr><tr><td>Nominal cross-section</td><td>4 mm² / 12 AWG</td></tr><tr><td>Solid conductor</td><td>0,2 ... 4 mm² / 24 ... 12 AWG</td></tr><tr><td>Stranded conductor</td><td>0,2 ... 4 mm² / 24 ... 12 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0,14 ... 4 mm² / 24 ... 12 AWG</td></tr><tr><td>Strip length</td><td>11 mm / 0.43 inci</td></tr><tr><td>Wiring direction</td><td>Side-entry wiring</td></tr></table>	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 inci	Wiring direction	Side-entry wiring
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Total number of potentials	1																			

Physical data		
Width	29,8 mm / 1.173 inci	
Height	15,8 mm / 0.62 inci	
Depth	18,3 mm / 0.72 inci	

Material data		
Note (material data)	Information on material specifications can be found here	
Color	transparent	
Cover color	transparent	
Material group	Illa	
Insulation material (main housing)	Polycarbonate (PC)	
Flammability class per UL94	V2	
Fire load	0.132 MJ	
Actuator color	orange	
Weight	7 g	

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

Commercial data		
PU (SPU)	150 (15) Buc.	
Packaging type	Box	
Country of origin	DE	
GTIN	4066966611663	
Customs tariff number	85369010000	



Product classification	
UNSPSC	39121409

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption