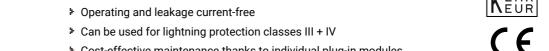


## ZPAC1-13VG-30-275



- > Type 1+2+3 combined SPD based on a gas-filled spark gap
- ▶ 10-year guarantee
- Discharge capacity per pole: limp= 12.5 kA (10/350 μs)
- Safe disconnecting device
- > Cost-effective maintenance thanks to individual plug-in modules
- > Complies with the IEC 61643-11 and EN 61643-11 standards
- Complies with VDE-AR-N 4100 "Use of surge protective devices (SPD) type 1 in main power supply systems"





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Electrical Characteristics			
SPD type	IEC	1+2+3	
Network		230/400 V 3-phase	
AC system		TNC	
Nominal line voltage	Un	230/400 Vac	
Max. AC operating voltage	Uc	275 Vac	
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	335 Vac withstand	
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	440 Vac withstand	
Residual Current Leakage current to Ground	lpe	None	
Follow current	If	None	
Nominal discharge current 15 x 8/20 µs impulses	In	20 kA	
Max. discharge current max. withstand @ 8/20 µs by pole	lmax	50 kA	
Impulse current by pole max. withstand 10/350µs by pole	limp	12.5 kA	
Total lightning current max. total withstand @ 10/350µs	Itotal	37.5 kA	
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs	Uoc	6 kV	
Specific energy by pole max. withstand 10/350 μs	W/R	40 kJ/ohm	
Protection mode(s)		L/PE	
Protection level L/PE @ In (8/20µs)	Up L/PE	1.5 kV	
Residual voltage L/PE at 5 kA @ 5 kA (8/20μs)	Up-5kA	0.9 kV	
Admissible short-circuit current	Isccr	50 000 A	
Mechanical Characteristics			
Technology		VG Technology (MOV+GSG)	
SPD configuration		3-phase	
Connection to Network		By 40mm busbar and wire for PE: 6-35mm² (50mm²)	
Format		Plug-in modular box	
Mounting		40 mm busbar systems	
Housing material		Thermoplastic UL94 V-0	
Operating temperature	Tu	-40/+85°C	
Protection rating		IP20	
Failsafe mode		Disconnection from AC network	
Disconnection indicator		1 mechanical indicator by pole	
Spare module(s)		MDAC1-13VG-275	
Remote signaling of disconnection		none	
Dimensions		See diagram	
Weight		0.677 kg	
Disconnectors			
Thermal disconnector		Internal	
Installation ground fault breaker		Type 'S' or delayed	
Back-up protection device		max. 315 A (gL/gG)	
Standards			
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 5ed.	
Certification		KEMA	
Part number			
64215			

