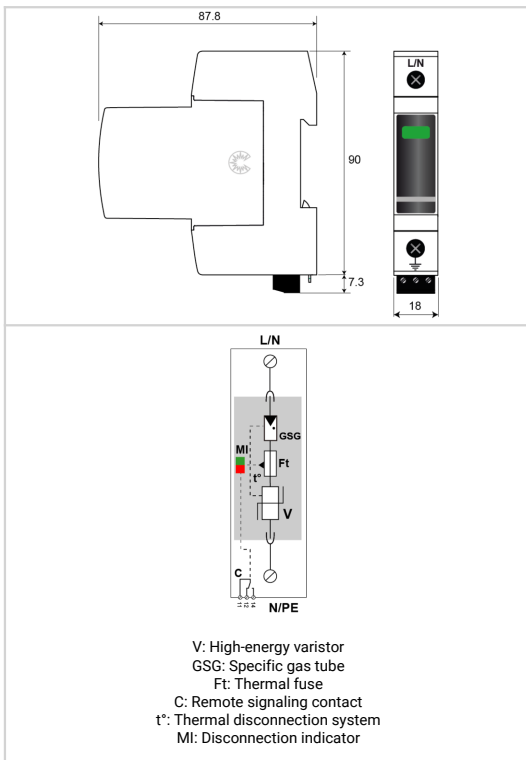


DAC1-13VGS-10-320



- ✦ Type 1 + 2 + 3 AC surge protector
- ✦ VG Technology
- ✦ In : 20 kA
- ✦ Iimp : 12,5 kA on 10/350µs impulse
- ✦ No leakage current
- ✦ Pluggable module for each phase
- ✦ Remote signaling
- ✦ Optimized to TOV
- ✦ EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance
- ✦ Certified EN 61643-11 and IEC 61643-11



Electrical Characteristics			
SPD type	IEC	1+2+3	
Max. AC operating voltage	Uc	320 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	Ipe	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	Imax	50 kA	
Impulse current by pole max. withstand 10/350µs by pole	Iimp	12.5 kA	
Impulse current N/PE max. withstand 10/350µs	Iimp N/PE	50 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 level @ In (8/20µs) and @ 6 kV (1,2/50 µs)	Up	1.5 kV	
Residual voltage at 5 kA @ 5 kA (8/20µs)	Up-5kA	0.9 kV	
Admissible short-circuit current	Iscrr	50 000 A	
Mechanical Characteristics			
Technology	VG Technology (MOV+GSG)		
SPD configuration	Single phase		
Connection to Network	By screw terminals: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> rigid)		
Format	Plug-in modular box		
Mounting	Symmetrical rail 35 mm (EN 60715)		
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 - Red/Green		
Spare module(s)	MDAC1-13VG-320		
Remote signaling of disconnection	output on changeover contact		
Wiring for remote signaling	1.5 mm <sup>2</sup> max.		
Max. Voltage/Current for remote signaling	250 V / 0.5 A (AC) / 30 V / 3 A (DC)		
Dimensions	See diagram - 1TE (EN43880)		
Disconnectors			
Thermal disconnector	Internal		
Installation ground fault breaker	Type 'S' or delayed		
Back-up protection device	315 A max. - Fuses Type gG / or SFD1-25S		
Standards			
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5		
Certification	KEMA		
Part number			
821730321			

