



Type 1+2+3 AC surge protector - Single phase

CITEL

DACN1-25CVGS-11-320



- Type 1 + 2+3 AC surge protector
- VG Technology
- Iimp: 25 kA on 10/350µs impulse
- In: 25 kA
- Optimized to TOV
- No leakage current
- Monobloc
- Remote signaling
- EN 61643-11, IEC 61643-11 complied



	Electrical Characteristics	
	SPD type	1+2+3
Network	230 V single-phase	
AC system	TT-TN	
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	
Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT 1200 V/300A/200 ms withstand	
Residual Current Leakage current to Ground	Ipe None	
Follow current	If None	
Nominal discharge current 15 x 8/20 µs impulses	In 25 kA	
Max. discharge current max. withstand @ 8/20 µs by pole	I _{max} 100 kA	
Impulse current by pole max. withstand 10/350µs by pole	I _{imp} 25 kA	
Total lightning current max. total withstand @ 10/350µs	I _{total} 50 kA	
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc 6 kV	
Protection level @ In (8/20µs)	Up 1.5 kV	
Protection level L/N @ In (8/20µs)	Up L/N 1.5 kV	
Protection level N/PE @ In (8/20µs)	Up N/PE 1.5 kV	
Admissible short-circuit current	I _{sc} 50 000 A	
Mechanical Characteristics		
Technology	VG Technology (MOV+GSG)	
SPD configuration	Single phase	
Connection to Network	By screw terminals: 2.5-25mm ² (35mm ² rigid)	
Format	Monobloc 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	
Remote signaling of disconnection	Output on changeover contact	
Wiring for remote signaling	1.5 mm ² max.	
Max. Voltage/Current for remote signaling	250 V / 0.5 A (AC) / 30 V / 3 A (DC)	
Weight	0.285 kg	
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	EN 61643-11 / IEC 61643-11	
Part number		
64182		
<p>V: High-energy varistor GSG: Specific gas tube Ft: Thermal fuse C: Remote signaling contact t*: Thermal disconnection system MI: Disconnection indicator</p>		

