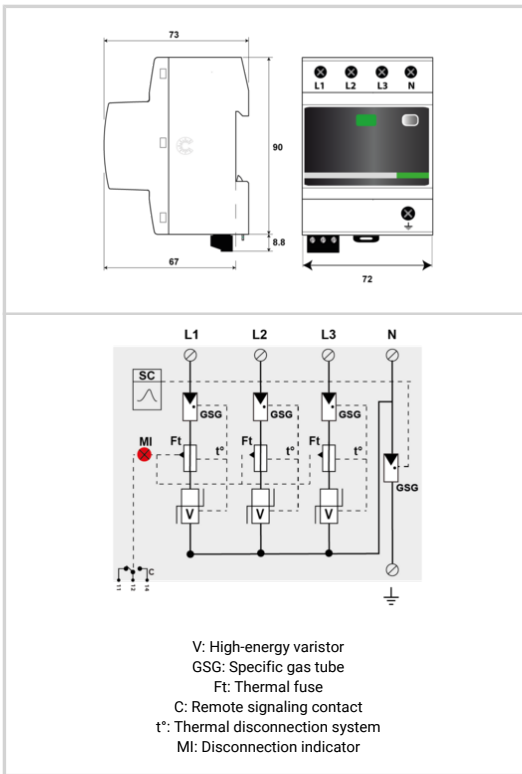


DACN1-25CVGS-31-320/SC



- Type 1 + 2+3 AC surge protector
- Integrated surge counter
- 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	230/400 V 3-phase+N
AC system	TT-TNS
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
Nominal discharge current N/PE 15 x 8/20 µs impulses	In N/PE 100 kA
Max. discharge current max. withstand @ 8/20 µs by pole	I _{max} 100 kA
Max. discharge current N/PE max. withstand @ 8/20 µs by pole	I _{max} N /PE 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} 100 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc 6 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
Minimum current sensibility	I _{tc} 100 A
Admissible short-circuit current	I _{sc} 50 000 A
Mechanical Characteristics	
Technology	VG Technology (MOV+GSG)
SPD configuration	3-phase+Neutral
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	0.662 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	
64170	

