



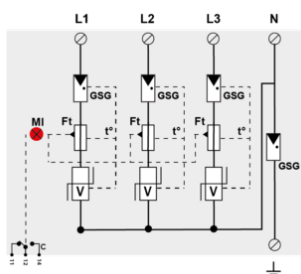
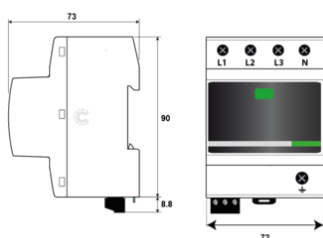
CITEL

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

DACN1-25CVGS-31-275



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



V: High-energy varistor
GSG: Specific gas tube
Ft: Thermal fuse
C: Remote signaling contact
t*: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics

SPD type	1+2+3
Network	230/400 V 3-phase+N
AC system	TT-TNS
Max. AC operating voltage	U_c 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
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	I_{pe} None
Follow current	I_f None
Nominal discharge current 15 x 8/20 µs impulses	I_n 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} 100 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	U_{oc} 6 kV
Protection level L/N @ I_n (8/20µs)	U_p L/N 1.5 kV
Protection level N/PE @ I_n (8/20µs)	U_p N/PE 1.5 kV
Admissible short-circuit current	I_{scrr} 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	T_u -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	0.658 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
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Part number

64135

