



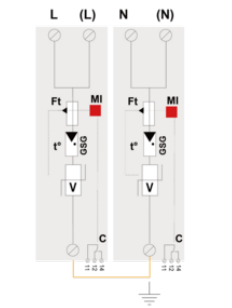
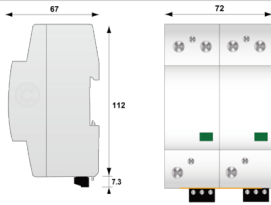
Type 1+2+3 AC surge protector - Single phase

CITEL

DACN1-25VGS-20-440



- Type 1 + 2+3 AC surge protector
- VG Technology
- In: 25 kA
- Iimp: 25 kA on 10/350µs impulse
- No leakage current
- Unpluggable module for each phase
- Remote signaling
- Optimized to TOV
- 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
Max. AC operating voltage	Uc	440 Vac
Max. load current @25°C	IL	100 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	580 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	770 Vac disconnection
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}	70 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
Specific energy by pole max. withstand 10/350 µs	W/R	156 kJ/ohm
Protection mode(s)		L/PE and N/PE
Protection level @ In (8/20µs) and @ 6 kV (1.2/50 µs)	Up	1.5 kV
Admissible short-circuit current	I _{sc}	50 000 A

Mechanical Characteristics

Technology		VG Technology (MOV+GSG)
SPD configuration		2-poles
Connection to Network		By screw terminals: 6-35mm ² / by bus
Format		1-pole 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)
Dimensions		See diagram - 4TE (EN43880)
Weight		0.836 kg

Disconnectors

Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		Fuse assembly: SFD1-13S-20 / or 125 A min. - 315 A max. - Fuses Type gG

Standards

Standards compliance		EN 61643-11 / IEC 61643-11
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Part number

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