



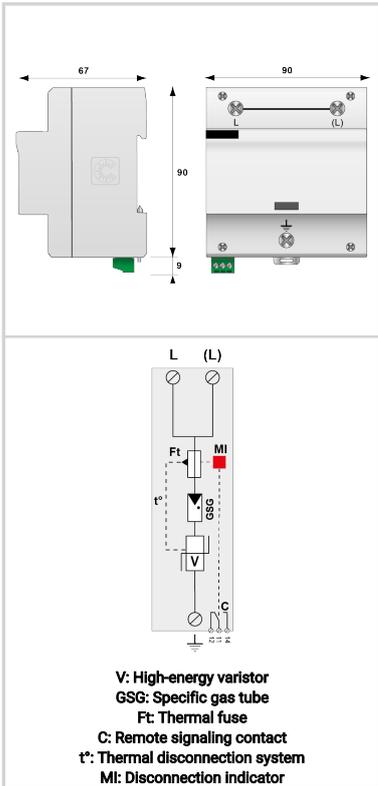
CITEL

Type 1+2 AC surge protector - 1-pole

DS250VG-1000



- Type 1+2 surge protector
- In : 30 kA
- Iimp : 25 kA
- Low voltage Up
- Internal disconnection, status indicator
- Remote signaling
- IEC 61643-11, EN 61643-11 and UL1449 ed4 compliance



Electrical Characteristics

SPD type	IEC	1+2
Nominal line voltage	Un	900 V
Max. AC operating voltage	Uc	1000 Vac
Max. load current @25°C	IL	100 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	1320 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	1732 Vac withstand
Residual Current Leakage current to Ground	Ipe	None
Follow current	If	None
Nominal discharge current 15 x 8/20 μs impulses	In	30 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	60 kA
Impulse current by pole max. withstand 10/350 μs by pole	I _{imp}	25 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 μs - 8/20 μs	Uoc	6 kV
Specific energy by pole max. withstand 10/350 μs	W/R	156 kJ/ohm
Protection level @ In (8/20 μs)	Up	< 3.4 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: 6-35mm ² (50mm ² flexible)
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
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram - 5 TE, DIN 43880

Disconnectors

Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		Fuses type gG - 315 A

Standards

Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		

Part number

64013

