



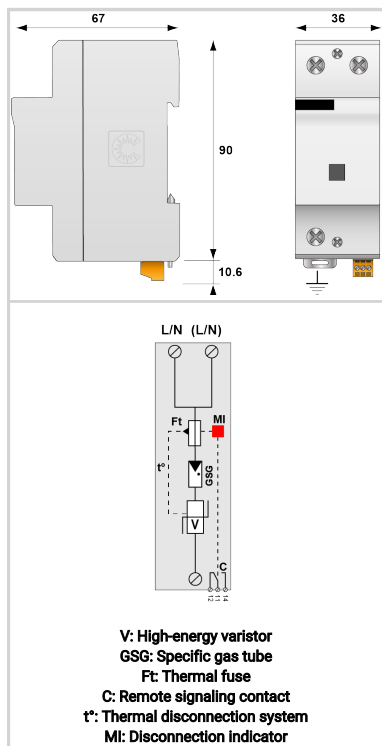
CITEL



Type 1+2 AC surge protector - 1-pole

DS250VG-300

- Type 1+2+3 unipolar surge protector
- 25 kA on 10/350µs impulse
- Low voltage Up
- Internal disconnection, status indicator and remote signaling
- Optimized to TOV
- IEC 61643-11 and UL1449 ed.5 compliance



Electrical Characteristics

SPD type	IEC	1+2+3
Network		230/400V
Nominal line voltage	Un	230 Vac
Max. AC operating voltage	Uc	255 Vac
Max. load current if series connection	IL	100 A
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
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	Imax	70 kA
Impulse current by pole max. withstand 10/350µs by pole	Iimp	25 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc	20 kV
Withstand on overvoltages IEEE C62.41.1		20 kV
Specific energy by pole max. withstand 10/350 µs	W/R	156 kJ/ohm
Connection mode(s)		L/N or L/PE
Protection mode(s)		Common Mode or Differential Mode
Protection level @ In (8/20µs) and @ 6 kV (1,2/50 µs)	Up	1.5 kV
Residual voltage @ In (8/20 µs)	Up-in	1.1 kV
Residual voltage at 5 kA @ 5 kA (8/20µs)	Up-5kA	0.6 kV
Admissible short-circuit current	Iscrr	50 000 A

Mechanical Characteristics

Technology	VG Technology (MOV+GSG)
SPD configuration	Single phase
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
Remote signaling of disconnection	Output on changeover contact
Dimensions	See diagram
Weight	0.26 kg

Disconnectors

Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	CITEL series SFD1-25S - Fuses type gG - 315 A

Standards

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

Part number



CITEL

Type 1+2 AC surge protector - 1-pole

DS250VG-300

2577

