



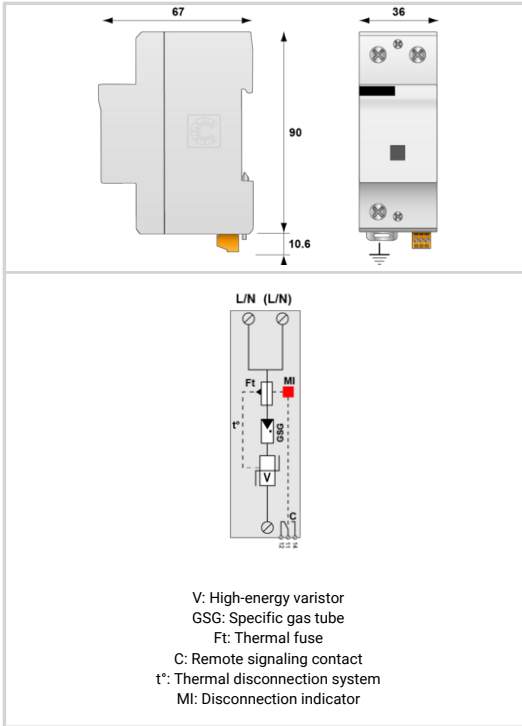
# Type 1+2 AC surge protector - 1-pole

# CITEL

## 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	1+2+3
Network	230/400 V
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	I <sub>max</sub> 70 kA
Impulse current by pole max. withstand 10/350µs by pole	I <sub>imp</sub> 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	I <sub>sc</sub> 50 000 A
Mechanical Characteristics	
Technology	VG Technology (MOV+GSG)
SPD configuration	Single phase
Connection to Network	By screw terminals: 6-35mm <sup>2</sup> / 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	Fuses type gG - 315 A
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	UL / CSA
Part number	
2577	

