



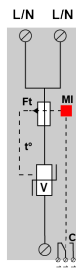
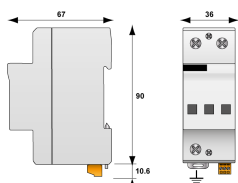
CITEL



Type 1+2 AC surge protector - 1-pole

DS250E-120

- › Type 1 + 2 unipolar surge protector
- › Iimp: 25 kA on 10/350µs impulse
- › Imax: 140 kA on 8/20µs impulse
- › Internal disconnections, status indicators
- › Remote signaling
- › IEC 61643-11, EN 61643-11 and UL1449 ed.5 compliance



V: High-energy varistor
Ft: Thermal fuse
C: Remote signal contact
t*: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics

SPD type	IEC	1+2
Network		120/208 V
Max. AC operating voltage	Uc	150 Vac
Max. load current if series connection	IL	100 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	230 Vac disconnection
Residual Current Leakage current to Ground	Ipe	< 3 mA
Follow current	If	None
Nominal discharge current 15 x 8/20 µs impulses	In	70 kA
Max. discharge current max. withstand @ 8/20 µs by pole	Imax	140 kA
Impulse current by pole max. withstand 10/350µs by pole	Iimp	25 kA
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)	Up	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		MOV
SPD configuration		Single phase
Connection to Network		By screw terminals: 6-35mm² / 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		3 mechanical indicators
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Weight		0.23 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		

Part number

3106

