



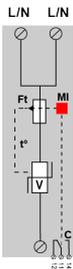
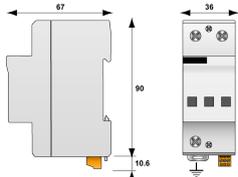
# CITEL

## 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 <i>if series connection</i>	IL	100 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT	180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT	230 Vac disconnection
Residual Current <i>Leakage current to Ground</i>	Ipe	< 3 mA
Follow current	If	None
Nominal discharge current <i>15 x 8/20 µs impulses</i>	In	70 kA
Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	Imax	140 kA
Impulse current by pole <i>max. withstand 10/350µs by pole</i>	Iimp	25 kA
Specific energy by pole <i>max. withstand 10/350 µs</i>	W/R	156 kJ/ohm
Connection mode(s)		L/N or L/PE
Protection mode(s)		Common Mode or Differential Mode
Protection level <i>@ In (8/20µs)</i>	Up	1 kV
Residual voltage at 5 kA <i>@ 5 kA (8/20µs)</i>	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: 6-35mm <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		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**

