



Type 1+2 AC surge protector - 1-pole

CITEL

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



	Electrical Characteristics	
	SPD type	1+2
<p>V: High-energy varistor Ft: Thermal fuse C: Remote signal contact t*: Thermal disconnection system MI: Disconnection indicator</p>	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 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	3 mechanical indicators	
Remote signaling of disconnection	Output on changeover contact	
Dimensions	See diagram	
Weight	0.23 kg	
Disconnectors		
Thermal disconnecter	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		

