

## Surge Protective Device Model : SC-P10C

Surge Protective Device is specially designed to be used in outdoor LED lighting system fixtures for transient overvoltage protection. It is mainly constructed by thermally protected varistors and gas discharge tube devices, it can be installed in LED lamp or lamp post.

### Features

- Suitable for use in luminaire with Class I or Class II installations
- Protection mode: L-N, L-PE, N-PE
- Built-in thermal detachment function, higher security
- Parallel wiring, easy maintenance
- Excellent impact resistance, low voltage limit
- Built-in LED indication, saves maintenance time by identifying replacement need
- IP67-Dust-tigh and water resistant

### Applications

- Digital signage
- Flood lighting
- Street lighting
- Roadway lighting
- Parking garage lighting
- Traffic lighting
- Tunnel lighting
- Wall wash lighting
- AC-LED lighting

### Specifications

Model	SC-P10C
Operating Voltage/ Un (VAC)	100-277V
Maximum Continuous Operating Voltage/ MCOV/ Uc (VAC)1	320V
Rated Load Current/ IL(A)	-
Nominal Discharge Current/ In(kA)2	5kA
Maximum Discharge/ Imax(kA)3	10kA
Open Circuit Voltage/ Uoc(kV)	10kV
Voltage Protective Level/ Up(V)4	≤1.2 kV (L-N, L-G/PE, N-G/PE)
Wire For Terminal	Hose cable (1.0mm <sup>2</sup> )
Connection Mode	Parallel Connection
Power System	TN
Protection Degree	IP67
Ambient Temperature	-40 °C ~ +70 °C
IEC 61643-11 Test Classification	Test Class II and III
EN 61643-11 Type Classification	Type 2 and 3



### Notes:

1. MCOV/ Uc(VAC): The Maximum Continuous Operating Voltage can be continuously applied to the SPD
2. Nominal Discharge Current(In)(kA): The nominal discharge current is a measure of the SPDs endurance capability 15 impulses of discharge current uses the 8/20us current waveform
3. Maximum Discharge Current(I<sub>max</sub>)(kA): The maximum discharge current of the SPDs maximum capability single impulse of discharge current uses the 8/20us current waveform. All Devices pass maximum discharge current with possible, safe opening of thermal disconnect.
4. Voltage Protective Level/Up: The highest value of residual voltage measurements during the application of impulses of 8/20us nominal discharge(In); rounding voltage value of maximum measurement