



Class III Power SPD Surge Protection Device SC-10KVC-277 220VAC For Roadway Lighting

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: SC-10KVC-277
- Minimum Order Quantity: 270PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- Component Name: Surge Protective Devices (SPD)
- Component Size: 35×26×14mm
- Rated Operating Vol.: 220VAC
- Maximum Continuous Vol.: 277VAC
- Response Time: 25ns
- Cross-section Area: 1mm²
- V_n: 10kV
- N-PE: 1.1kV
- Highlight: SPD Surge Protection Device,
Surge Protection Device 220VAC

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Product Description

Class III Power SPD Surge Protection Device SC-10KVC-277 Withstand The Impact Of 10kV Surge Voltage

SPD Surge Protection Device DATASHEET: [SC-10KVC-277_v2209.1.pdf](#)

Surge Protection Device Illustration:

Surge Protection Device SC-10KVC-277 is a kind of power supply surge protector suitable for 220V power grid. SPD usually used in street lighting, and landscape lighting, parking garage lighting, and digital signage.....The shell of the product SPD is made of flame-retardant material, and the product SPD is made of potting glue. It has the characteristics of fire prevention, waterproof and dustproof . Protection grade up to IP67. Installation and application is very convenient, with L, N and PE connection line.

Features:

The product has full mold protection function. The product has a maximum protection can withstand the impact of 10kV surge voltage.

The size of the product is small, 35mm×26mm×14mm (excluding the connecting wire).

It is a Class III power SPD.

Surge Protection Device Can use series, parallel connection mode, flexible and convenient.

Surge Protection Device can adopt our company's new structure technology manufacturing, break through the conventional structure technology. This process can improve the impact resistance of SPD.

SPD Executive standard: IEC/EN:61643-11.

Operating Temperature Range: -40 to +85 .

Applications:

Outdoor and Commercial LED Lighting.

Used in Roadway lighting.

Apply for Traffic lighting.

Surge Protection Device Suitable for Digital signage.

Security power supply.

And so on.....

Surge Protection Device Electrical Characteristics:

Symbol	Parameter	Value	Unit
SPD Electrical Parameters	Rated Operating Voltage	220	VAC
	Max. Continuous Voltage	277	VAC
	Response Time	25	ns
	Cross-section Area	1	mm ²
SPD Surge Parameters	Nominal Discharge Voltage (1.2/50μs) (Vn)	10	kV
	Maximum Discharge Voltage (1.2/50μs) (Vmax)	20	kV
Voltage Protection Level (Up)	L-N/PE	1.2	kV
	N-PE	1.1	kV

Notes:

1. Nominal discharge voltage surge times:±15T;
2. Maximum discharge voltage surge times:1T.

Surge Protection Device Application / Inatallation Schematic:

Application / Inatallation Schematic

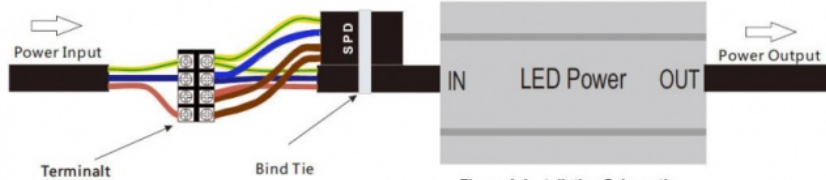


Figure 1. Inatallation Schematic

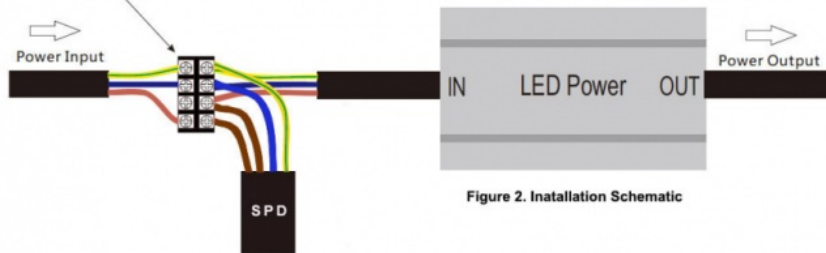


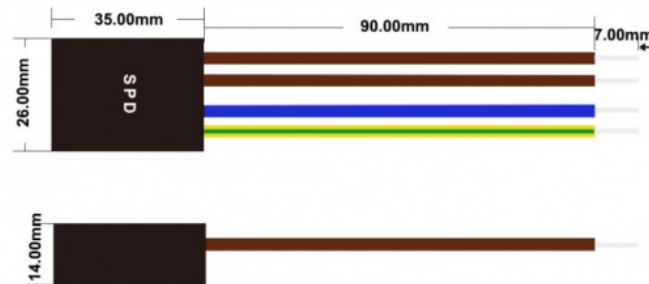
Figure 2. Inatallation Schematic

Notes:

1. The brown wire is Li/Lo wire, Li is the input and Lo is the output, the blue wire is N wire, and the yellow-green wire is the ground wire.
2. After the wire is installed, the product can be tied to the power supply with cable ties. Due to the small volume and weight of the product, it can also be placed freely as shown in Figure 2 of the installation example.

Surge Protection Device Typical Dimension:

Typical Dimensions



Packaging Information:

Part Number	Quantity
SC-10KVC-277	270 PCS / Box

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