



220Vac SPD Surge Protection Device 20kV Vn SC-20KVC-277 For Traffic Lighting

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: SC-20KVC-277
- Minimum Order Quantity: 270PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- Product Name: Surge Protective Devices (SPD)
- Size: 41×32×19.5mm
- Rated Operating Voltage: 220VAC
- Max. Continuous Voltage: 277VAC
- Response Time: 25ns
- Cross-section Area: 1.5mm²
- Vn: 20kV
- L-N/PE: 1.3kV
- N-PE: 1.1kV
- Highlight: **220Vac Surge Protection Device, Traffic Lighting Surge Protection Device, SPD Surge Protection 220Vac**



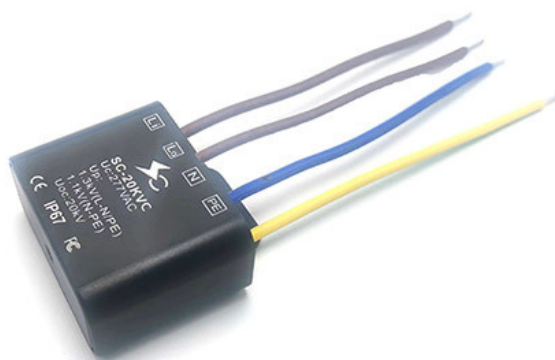
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Product Description

Surge Protection Devices SC-20KVC-277, Rated Operating Voltage 220Vac Application for Traffic Lighting

DATASHEET: [SC-20KVC-277_v2302.1.pdf](#)

Symbol	Parameter	Value	Unit
Electrical Parameters	Rated Operating Voltage	220	VAC
	Max. Continuous Voltage	277	VAC
	Response Time	25	ns
	Cross-section Area	1.5	mm ²
Surge Parameters	Nominal Discharge Voltage (1.2/50μs) (Vn)	20	kV
Voltage Protection Level (Up)	L-N/PE	1.3	kV
	N-PE	1.1	kV



Description:

SC-20KVC-277 is a kind of power supply surge protector suitable for 220V power grid. Used in street lighting, landscape lighting, etc. The shell of the product is made of flame-retardant material, and the product 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.

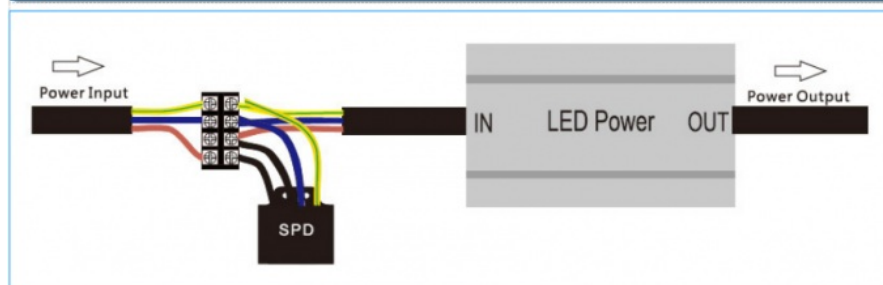
Features:

- u The product has full mold protection function. The product has a maximum protection can withstand the impact of 20kV surge voltage.
- u The size of the product is small, 41×32×19.5mm (excluding the connecting wire).
- u It is a Class III power SPD.
- u Can use series, parallel connection mode, flexible and convenient.
- u Adopt our company's new structure technology manufacturing, break through the conventional structure technology. This process can improve the impact resistance of SPD.
- u Executive standard: IEC/EN:61643-11.
- u Operating Temperature Range: -40 to +85.

Applications:

Outdoor and Commercial LED Lighting.
 Roadway lighting.
 Traffic lighting.
 Digital signage.
 Security power supply.
 Wash wall lighting.
 Parking garage lighting.
 Flood lighting.
 Tunnel lighting.

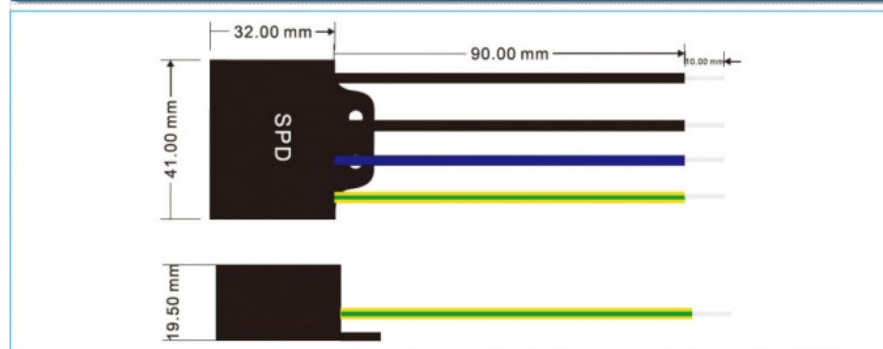
Application/ Installation Schematic



Note:

The black wire is L wire, the blue wire is N wire, and the yellow-green wire is the ground wire.

Typical Dimensions



Part Number	Quantity
SC-20KVC-277	270 PCS / Box

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