



Traffic LED Lighting SPD Surge Protective Devices SC-20KV-277 For Power Supply

Our Product Introduction

Basic Information

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



Product Specification

- Circuit Component Name: Surge Protective Devices (SPD)
- Circuit Component Size: 41×32×19.5mm
- Rated Operating Voltage: 220VAC
- Max. Continuous Voltage: 277VAC
- Response Time: 25ns
- Vn: 20kV
- L-N/PE: 1.3kV
- N-PE: 1.1kV
- Highlight: **Traffic LED Lighting SPD,
Power Supply LED Lighting SPD,
SPD Surge Protective Devices**

for more products please visit us on socaydiode.com

Product Description

SOCAY Power Supply Surge Protector SC-20KV-277 Suitable For Traffic Lighting

Power Supply Surge Protector DATASHEET: [SC-20KV-277_v2209.1.pdf](#)

Circuit Component Brief Introduction:

Power Supply Surge Protector SC-20KV-277 is a kind of power supply surge protector suitable for 220V power grid. Power Supply Surge Protector used in street lighting, landscape lighting, etc. The shell of the product Power Supply Surge Protector is made of flame-retardant material, and the product is made of potting glue. Power Supply Surge Protector 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.

Power Supply Surge Protector Features:

Power Supply Surge Protector has full mold protection function. The product has a maximum protection can withstand the impact of 20kV surge voltage.

The size of the product is small, 41×32×19.5mm (excluding the connecting wire).

Power Supply Surge Protector is a Class III power SPD.

Parallel connection mode is adopted.

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

Executive standard: IEC/EN:61643-11.

Operating Temperature Range: -40 to +85.

Power Supply Surge Protector Applications:

Power Supply Surge Protector apply for Outdoor and Commercial LED Lighting.

Roadway lighting.

Power Supply Surge Protector apply for Traffic lighting.

Digital signage.

Security power supply.

Wash wall lighting.

Power Supply Surge Protector apply for Parking garage lighting.

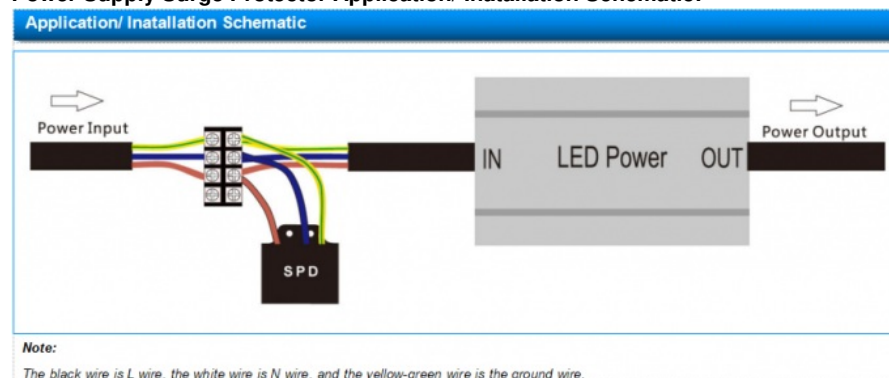
Flood lighting.

Tunnel lighting.

Power Supply Surge Protector Electrical Characteristics:

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

Power Supply Surge Protector Application/ Inatallation Schematic:

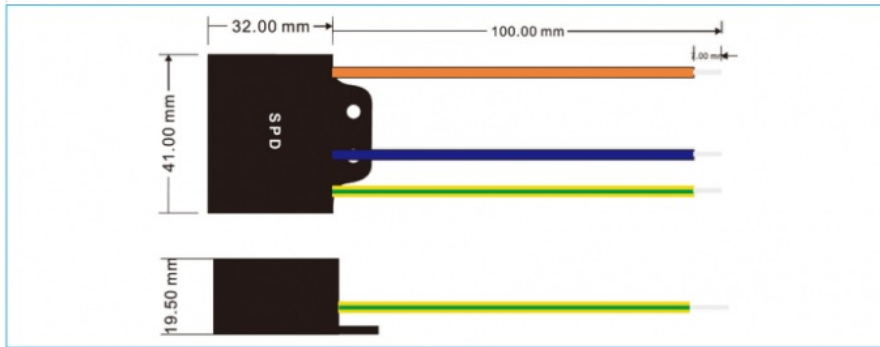


Note:

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

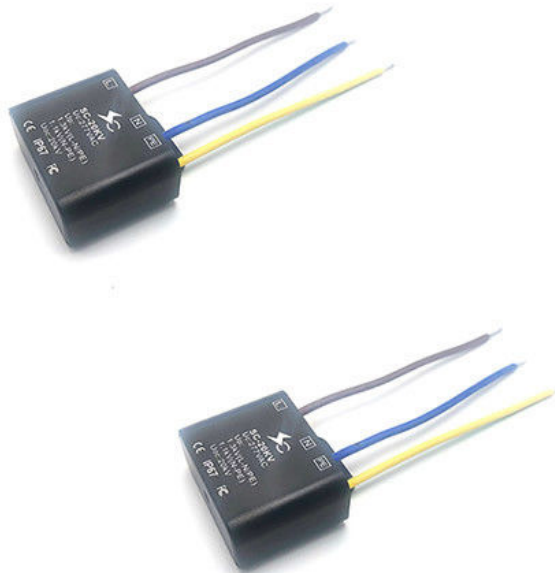
Power Supply Surge Protector Typical Dimension:

Typical Dimensions



Packaging Information:

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



 **Shenzhen Socay Electronics Co., Ltd.**

+8618126201429

sylvia@socay.com

socaydiode.com

4/F, Block C, HeHengXing Science & Technology Park, 19 MinQing Road, LongHua District, Shenzhen City,
GuangDong Province, China