

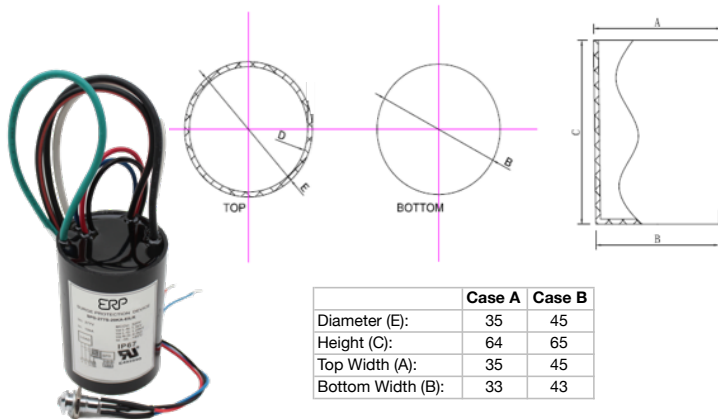


# SPD Series

SPD-277P-10KA  
 SPD-277S-10KA  
 SPD-277P-20KA  
 SPD-277S-20KA  
 SPD-277S-20KA-EILR

## Surge Protectors

ERP Part Number	Nominal Input Voltage (Vac)	MCOV/Uc <sup>(4)</sup> (Vac)	Max. Peak Current (8/20 $\mu$ s) (kA)		Combination Wave (1.2/50 $\mu$ s-8/20 $\mu$ s) (kV/kA)		Measured Limited Voltage (MLV) <sup>(3)</sup> (V)			Thermal Fuse	EOL (End of Life) Remote Indicator LED	Connection	Case
			Inom <sup>(1)</sup>	I <sub>max</sub> <sup>(2)</sup>	V <sub>nom</sub>	V <sub>max</sub>	L-N	L-G	N-G				
SPD-277P-10KA	120 to 277	320	5	10	10	20	1230	1400	1420			Parallel	A
SPD-277P-20KA	120 to 277	320	10	20	20	20	1890	1900	1870			Parallel	B
SPD-277S-10KA <sup>(5)</sup>	120 to 277	320	5	10	10	20	1140	1140	1130	★		Series	A
SPD-277S-20KA <sup>(5)</sup>	120 to 277	320	10	20	20	20	1260	1280	1840	★		Series	B
SPD-277S-20KA-EILR <sup>(5)</sup>	120 to 277	320	10	20	20	20	1300	1290	2000	★	★	Series with EOL Remote LED Indicator	B

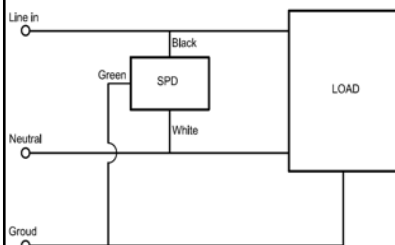


	Case A	Case B
Diameter (E):	35	45
Height (C):	64	65
Top Width (A):	35	45
Bottom Width (B):	33	43

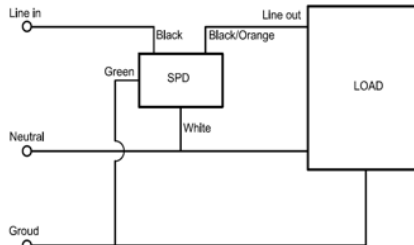
**Notes:**

- NOMINAL DISCHARGE CURRENT (I<sub>n</sub>) (kA):** It is the peak value of the current through the device having a current waveshape of 8/20 $\mu$ s where the device is capable of discharging 15 times.
- MAXIMUM DISCHARGE CURRENT (I<sub>max</sub>) (kA):** It is the peak value of the current through the device having a current waveshape of 8/20 $\mu$ s where the device is capable of discharging once.
- MEASURED LIMITING VOLTAGE (MLV) (V):** Maximum residual voltage after the application of 8/20 $\mu$ s impulses at nominal discharge current.
- MAXIMUM CONTINUOUS OPERATING VOLTAGE (MCOV/Uc) (Vac):** It is the maximum root-mean-square (rms) voltage that may be continuously applied to the device.
- MAXIMUM LOAD:** 8 A for "SPD-277S-xxkA"

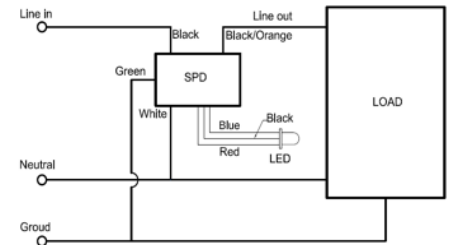
RoHS



Parallel Connection



Series Connection



Series Connection with Remote EOL Indicator

**OVERVIEW**

- IP67, optimized for use in outdoor applications
- Protects against surges in accordance with UL1449 and IEEE C62.41.2.C
- 90°C high temperature flameproof enclosure
- CAUTION: Only for use with universal input voltage LED drivers (277 Vac)

**APPLICATIONS**

- Additional level of protection from dangerous power line transient in commercial and industrial applications
- Area & Roadway lighting
- Factory, Warehouse, and Distribution Center lighting
- Sports & Stage lighting
- Airports & Dockyard lighting

**CHINA Operations**  
 tel: +86-756-6266298  
 No. 8 Pingdong Road 2  
 Zhuhai, Guangdong, China 519060

www.erp-power.com

SaveEnergy@erp-power.com

**USA Headquarters**  
 tel: +1-805-517-1300  
 893 Patriot Drive, Suite E  
 Moorpark, CA 93021, USA