



SSP3-277 Series

3-Point LED Driver Surge Protector with 20,000 Amp Max Protection, Line-Neutral

Features

- 3-leaded device that protects all single phase coupling modes (Line-Neutral, Line-Ground & Neutral-Ground) in accordance with IEEE/ANSI C62.41-2002 select guidelines
- Protects against surges and transients per ANSI C62.41-2002 category C low (6KV, 1.2/50µS & 3KA, 8/20µS) standard Combo waves and (6KV, 100KHz) Ring wave
- Protects against surges and transients per new ANSI C82.77-5 2015 category C medium (10KV, 1.2/50µS & 5KA, 8/20µS) standard Combo waves and (6KV, 100KHz) Ring wave
- Basic Protection on Line-Ground (L-G) & Neutral-Ground (N-G) connections of 12,000 Amps (Max)
- Enhanced Surge Rating on Line-Neutral (L-N) connections of 20,000 Amps (Max) to protect against switching transients found in commercial electrical systems.
- Designated UL 1449 Type 5 Recognized Component in the United States and Canada
- Passes UL1449 Nominal Discharge Current rating of 5,000 Amps in all coupling modes
- At end-of-life, individual surge protection elements will be in short circuit mode for one or more coupling modes
- Maximum surface temperature rated at 90°C
- Operating temperature: -35°C to 85°C (ambient)
- 277V Model: Protection for LED drivers capable of operating at 277V input voltage or with universal input range of 120V through 277V. Not optimized for use with single voltage devices operating at 120V-only or 240V-only.

SSP3-277 surge protectors are designed for use in conjunction with LED Drivers to provide an additional level of cost-effective protection against powerline disturbances in industrial and commercial applications.



Part Number	AC Mains Voltage	Max Continuous Operating Voltage		Nom Discharge Current I _n (kA)	Measured Limiting Voltage MLV (V)	Line-Neutral	Line-Ground	Neutral-Ground
		AC	DC			Max Clamping Voltage 8/20 µS @ 20kA	Max Clamping Voltage 8/20 µS @ 12kA	
SSP3-277	277V	320V	420V	5kA	1140 L-N 1290 L-G, N-G	2600V	1800V	



Line-Ground Neutral-Ground		Line-Neutral	
Pulse rating (8 x 20 µSec)		Pulse rating (8 x 20 µSec)	
Strikes	Surge	Strikes	Surge
1	12,000 A	1	20,000 A
2	8,000 A	2	15,000 A
100	3,000 A	15	10,000 A
1600	750 A	100	3,000 A

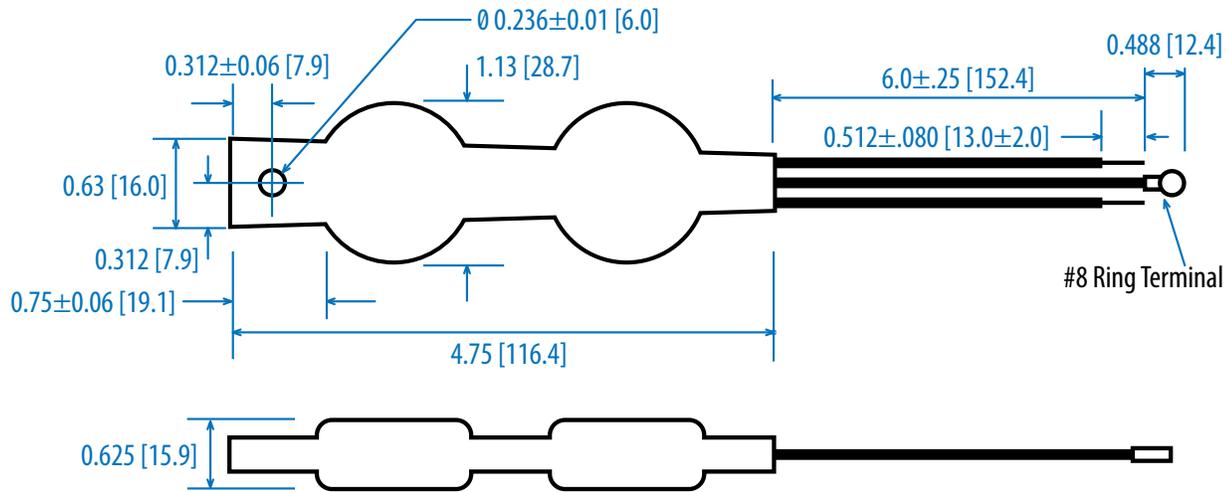
Specifications subject to change without notice.

Rev 4-3-17



Dimensions (Nom.)

SSP-277



Leads: 6", stripped 0.51"
Weight: 0.1 lbs/45g
Gauge: 14 AWG

Wiring

