



Thomas Research Products

SSL Solutions Faster Than The Speed Of Light™

BSP3-120 / BSP3-208-240 / BSP3-277 BSP3-347 / BSP3-480

3-Pole LED Driver & Ballast Surge Protectors, Enhanced

The BSP3 series of products are designed to be used in conjunction with LED Drivers and electronic fluorescent and HID ballasts to provide an additional level of protection against powerline disturbances in industrial and commercial applications

Features

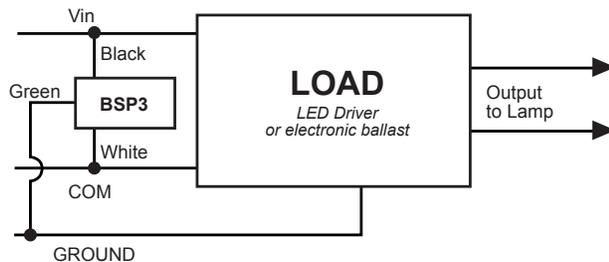
- The BSP3 Series are 3-leaded devices that protect Line-Ground, Line-Neutral, and Neutral-Ground in accordance with IEEE / ANSI C62.41.2 guidelines
- Protects against surges according to IEEE C62.41.2 C High (10kA and 10kV)
- Surge current rating = 10,000 Amps using industry standard 8/20 uSec wave
- Surge Location Rated Category C3
- UL Recognized Component for the United States and Canada (UL935, UL1029), Some models Recognized to UL1449 (see below)
- High temperature, flameproof plastic enclosure, 85°C max surface temp rating
- Thermally Protected Transient Over-voltage Circuit
- BSP3-120 is for use on 120V drivers or ballasts
- BSP3-277 is for use on 277V or Universal Voltage drivers or ballasts
- BSP3-347 is for use on 347V drivers or ballasts
- BSP3-480 is for use on 480V drivers or ballasts



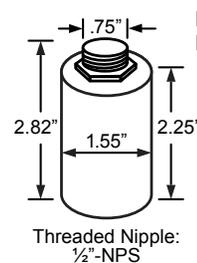
Part Number	Max Clamping Voltage	Surge Rating (2ms)	UL1449
BSP3-120	345	120 Joules	
BSP3-208-240	710	190 Joules	
BSP3-277	840	270 Joules	•
BSP3-347	1120	320 Joules	•
BSP3-480	1500	360 Joules	•

Pulse rating (8 x 20 µSec)	
Strikes	Surge
1	10,000 A
2	6,500 A
10	3,000 A
100	1,500 A
1,000	700 A

Wiring



Dimensions (Nom.)



Body: 12" leads, stripped 0.63"
Leadwire: AWG#16 stranded



Specifications subject to change without notice.

12--18-12