



# FSP3-277-20KA / FSP3-480-20KA

Patent-pending 3-Pole Fused In-Line Surge Protectors for LED Drivers & Electronic Ballasts, with or without Operating Indicator LED

## Features

- FSP3-277-20KA is a 4-leaded device primarily for universal input Phase to Neutral applications and provides protection that includes Line to Neutral, Line to Ground and Neutral to Ground possible couplings
- FSP3-480-20KA is a 5-leaded device for 480VAC Phase to Phase applications and provides protection that includes one Phase to a second Phase, one Phase to Ground, and second Phase to Ground possible couplings
- Provides a positive indication of End-of-Life by opening voltage to the load, and turning off the fixture
- Versions available with and without a green LED indicator - when on, it indicates that the FSP3 is fully functional and providing protection and when off, it indicates that the FSP3 has reached End-of-Life and needs to be replaced
- Protects against surges and transients per ANSI C62.41-2002 category C high (10KV, 1.2/50µS & 10KA, 8/20µS) standard Combo waves and (6KV, 100KHz) Ring wave
- Protects against surges and transients per new ANSI C82.77-5 2015 category C high (20KV, 1.2/50µS & 10KA, 8/20µS) standard Combo waves and (6KV, 100KHz) Ring wave
- UL Recognized Component in the United States and Canada (UL1449)
- Complies with IEC 61643-11; 8.3.4.3
- High temp, flameproof plastic enclosure with 85°C max surface temp rating
- Operating temperature range: -40°C to +85°C ambient
- Patent Pending

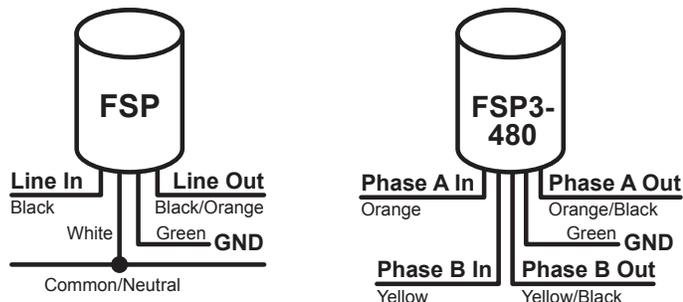
FSP3 Surge Protectors are designed for use in conjunction with LED Drivers to provide an additional level of protection against powerline disturbances in industrial and commercial applications. Also protects electronic fluorescent and HID ballasts.

**\*UL Certified for Factory or Field Wiring**

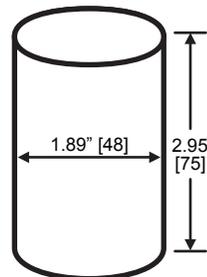


Part Number	Mains Voltage	Continuous Max Current Rating	Continuous Max Voltage Rating		Max Clamping Voltage 8/20 µS @ 20kA	UL1449	UL935/ UL1029	CE	LED Indicator
			AC	DC					
FSP3-277-20KA	100-277V	7.0A	320V	420V	2100V	•	•	•	•
FSP3-277-20KA-NI	100-277V	7.0A	320V	420V	2100V	•	•	•	
FSP3-480-20KA	480V	4.0A	550V	745V	3800V	•	•		•
FSP3-480-20KA-NI	480V	4.0A	550V	745V	3800V	•	•		

## Wiring



## Dimensions (Nom.)



**Leads:**  
 6", stripped 0.63"  
 Lead wire AWG #16 stranded

**Weight:**  
 0.5 lbs / 197g

Pulse rating (8 x 20 µSec)	
Strikes	Surge
1	20,000 A
2	15,000 A
15	10,000 A
120	3,000 A

★ **MADE IN USA** ★  
 Of Imported And Domestic Components



Specifications subject to change without notice.

Rev 5-13-16

