

# BSP3(20KA) Series

3-Pole LED Driver Surge Protectors with 20,000 Amp protection

Rev 09-30-2019



## Features

BSP3-20KA series products are designed for use in conjunction with LED Drivers to provide an additional level of protection against powerline disturbances in industrial and commercial applications

- The BSP3 Series are 3-leaded devices that protect Line-Ground, Line-Neutral, and Neutral-Ground connections
- 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, UL935, UL1029)
- BSP3 - 277 - 20KA is CE certified
- High temperature, flameproof plastic enclosure, -40°C to 85°C max ambient temperature rating
- “-TN” Option includes Threaded Nipple
- 277V Model: Protection for LED drivers capable of operating at 277V input voltage or with universal input range of 120V through 277V
- 480V Model: Protection for LED drivers capable of operating at 480V input voltage or with universal input ranges of 277V through 480V or 347V through 480V
- Meets CSA22.2 No. 269.5-17 Surge Protection Devices
- No serviceable parts (Aucune pièce remplaçable ou réparable)

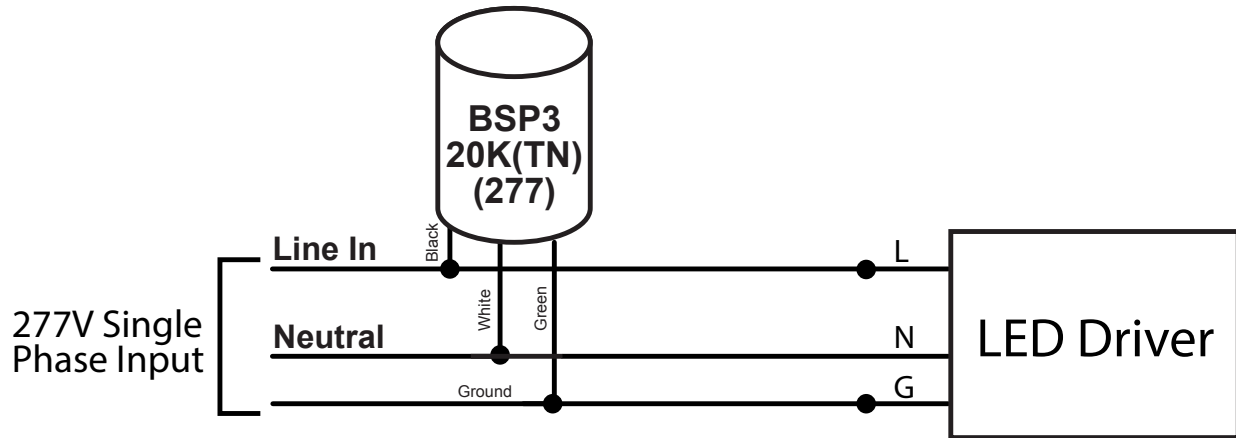


Model	Mains Voltage	Continuous Max Voltage Rating		Measured Limiting Voltage Mode: (MLV)	Nominal Current (In)	Max Clamping Voltage 8/20 µS @ 10kA	UL1449	UL935/UL1029	CE	Threaded Fitting
		AC	DC							
BSP3-277-20KA	277V	320	420	L-N: 2180V L-G: 2180V N-G: 2180V	10kA	1600	•	•	•	
BSP3-277-20KA-TN	277V	320	420	L-N: 2180V L-G: 2180V N-G: 2180V	10kA	1600	•	•		•
BSP3-480-20KA	480V	550	745	LA-LB: 2740V LA-G: 2740V LB-G: 2740V	10kA	3000	•	•		
BSP3-480-20KA-TN	480V	550	745	LA-LB: 2740V LA-G: 2740V LB-G: 2740V	10kA	3000	•	•		•

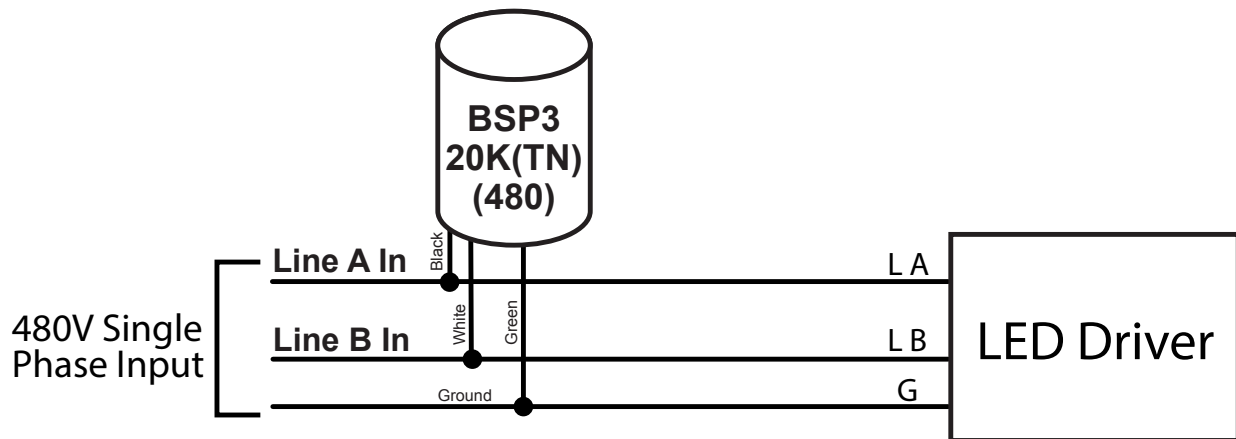
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## Wiring



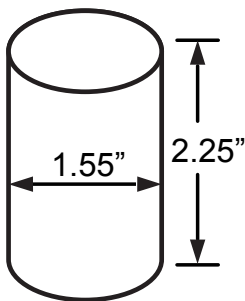
BSP3 and driver voltage must match input voltage



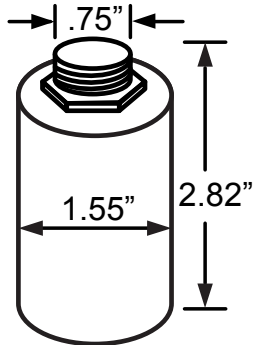
A single phase input from a 3-phase system uses only 2 phase line connections (A-B, B-L or C-A)

## Dimensions

BSP3-20K



BSP3-20K(TN)



Threaded Nipple:  
1/2"-NPS

Leads:  
12", stripped  
0.63"  
Weight:  
0.35 lbs / 138g

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