

BSP3(20KA) Series

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



HUBBELL
Lighting Components

Rev 12-17-2018



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, 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.



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: 610V L-G: 610V N-G: 610V	3	1600	•	•	•	
BSP3-277-20KA-TN	277V	320	420	L-N: 610V L-G: 610V N-G: 610V	3	1600	•	•		•
BSP3-480-20KA	480V	550	745	LA-LB: 1050V LA-G: 1050V LB-G: 1050V	3	3000	•	•		
BSP3-480-20KA-TN	480V	550	745	LA-LB: 1050V LA-G: 1050V LB-G: 1050V	3	3000	•	•		•



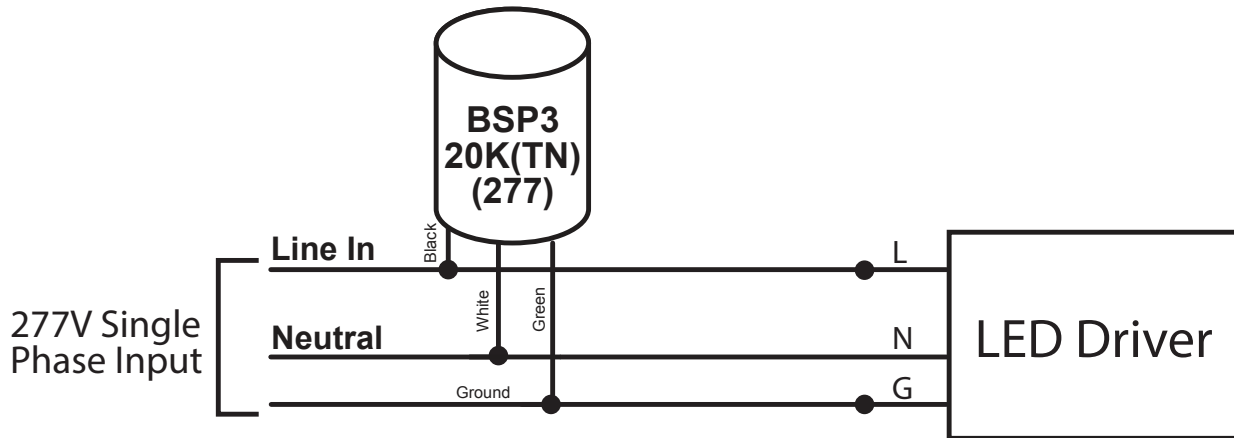
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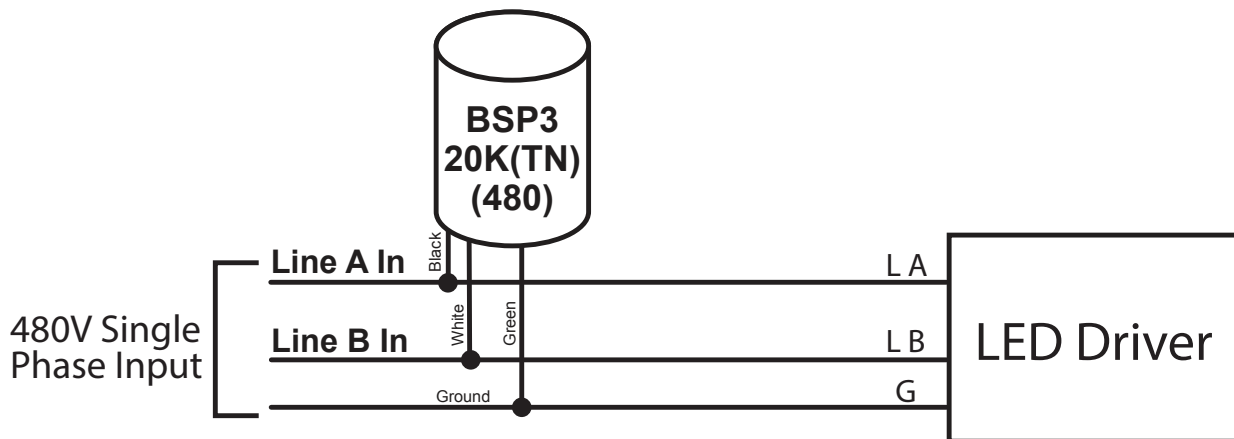


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Wiring



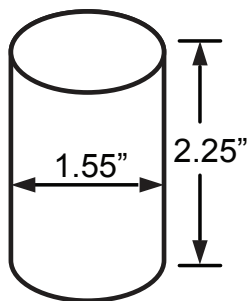
BSP3 and driver voltage must match input voltage



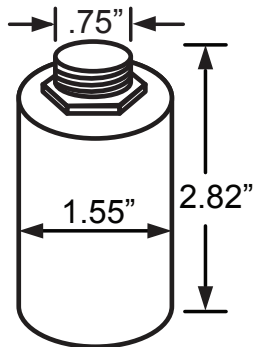
A single phase input from a 3-phase system uses only 2 phase line connections (A-B, B-L or C-A)

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