TECHLIGHT
INNOVATION IN ILLUMINATION

# FSPENCA277V

## Fused Surge Protector with Aluminum Enclosure

| Catalog Number | |
|---|---|
| Project | Type |

| SERIES | LENGTH, WIDTH & HEIGHT |
|---|---|
| **FSPENCA277V** | 7" x 3" x 3" |

## FEATURES & SPECIFICATIONS

**APPLICATION -** The FSPENCA277V is 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.

**CONSTRUCTION -** The enclosure is constructed of durable formed aluminum with a removable cover. Each unit is provided with one (1) 1/2" plugged knockout on the removable cover and three (3) 1/2" plugged knockouts for conduit entry on the bottom of the housing.

**FINISH -** Super Durable Polyester powder coat finish is electrostatically applied in our state of the art paint facility. Standard colors available: Black, Bronze, US Green, White. Custom colors available upon request.

**MOUNTING -** The enclosure is designed for exterior mounting on a wall, structure, or post in the vertical position.

**ELECTRICAL SYSTEM -** Dual-port models are designed to interrupt power to the driver if the surge protector is disabled by an excessive surge (TCO open). 5-leaded device that protects Line-Ground, Line-Neutral, and Neutral-Ground in accordance with IEEE / ANSI C62.41.2 guidelines. Provides a positive indication of End-of-Life by opening voltage to the fixture, and turning off the fixture. Includes a green LED indicator. When lit, it indicates that the surge protector is fully functional and providing protection to the fixture. When unlit, it indicates that the surge protector has reached End-of-Life and needs to be replaced. Protects against surges according to IEEE C62.41.2 C High. Protects against surges according to ANSI C136.2. 90-305 Vac Input voltage. Maximum surge current = 15,000 Amps and nominal surge current = 10,000 Amps (15 strikes) using industry standard 8/20 µSec wave. Up maximum clamped voltage is 2000V. Operating temperature -40°C to +50°C. High temp, flameproof plastic enclosure; 85°C maximum ambient temperature.

**LISTINGS -** Internal fused surge protector a UL Recognized Component in the United States and Canada UL1449 Type 4, EN 61643-11. Surge protective device T2 & T3. Complies with IEEE C62.41. IP66 rated.

**WARRANTY -** The complete luminaire is covered by a 3-year limited warranty.

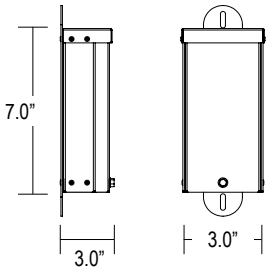
## ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

EXAMPLE:
**FSPENCA277VBZ**

| **FSP** | **ENCA** | **277V** | |
|---|---|---|---|
| SERIES | HOUSING | VOLTAGE | FINISH |
| **FSP** = FUSED SURGE PROTECTOR | **ENCA** = ENCLOSURE ALUMINUM | **277V** = 120-277V | **BK** = BLACK<br>**BZ** = BRONZE<br>**GR** = US GREEN<br>**ODG** = OLIVE DRAB GREEN<br>**WH** = WHITE<br>**SP** = SPECIAL[1] |

## DIMENSIONS




## NOTES

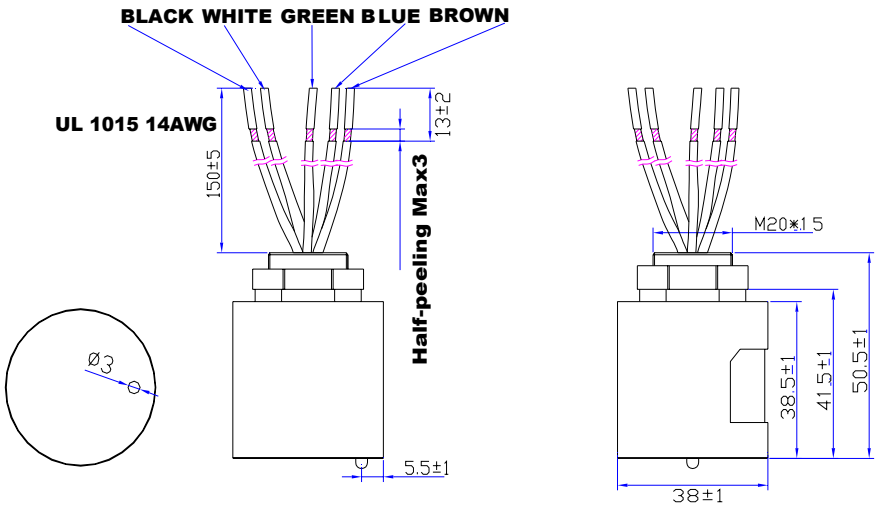
**1** = Custom RAL color matching is available. Contact your sales representative for additional info.

## 102549 - 10kA SURGE PROTECTIVE DEVICE (Included)

**102549** - 10kA Surge Protective Device

- 90-305 Vac Working Input Voltage
- 15 kA Maximum, 10 kA Nominal (15 strikes) Surge Current Rating Using Industry Standard 8/20us Wave
- UL1449 Type 4, EN 61643-11 - Surge Protective Devices T2 & T3
- IEEE C62.41.2 Location Category C High
- High Temperature, 85C Maximum Ambient
- Flameproof Plastic Enclosure
- IP66
- Compatible with Inventronics LED Drivers
- "Series" Wiring Configuration

### DIMENSIONS

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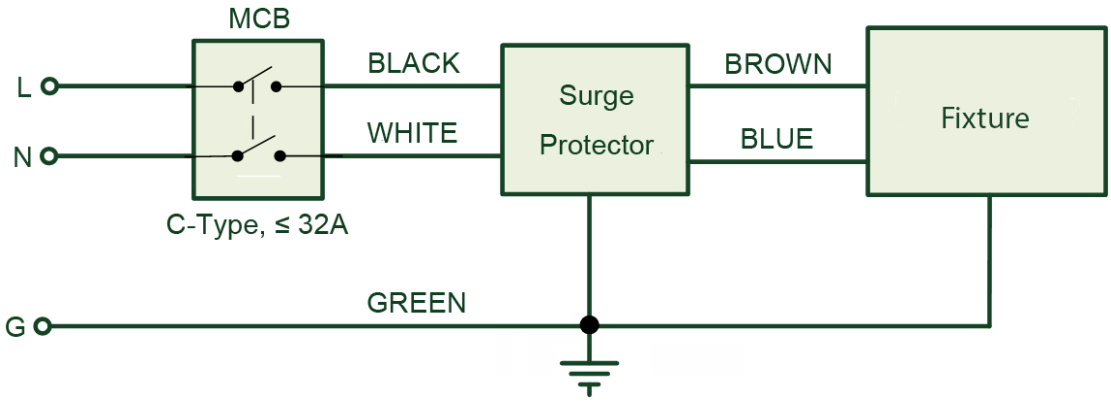
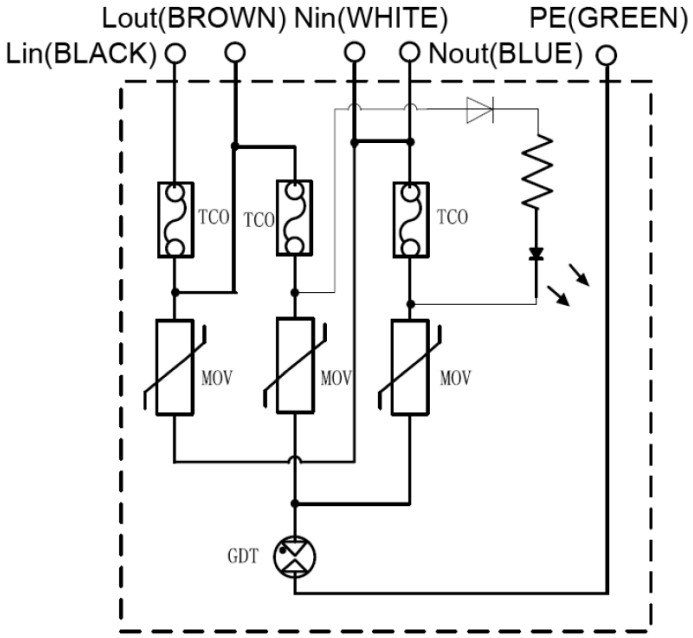
**All dimensions and specifications are subject to change without notice.**

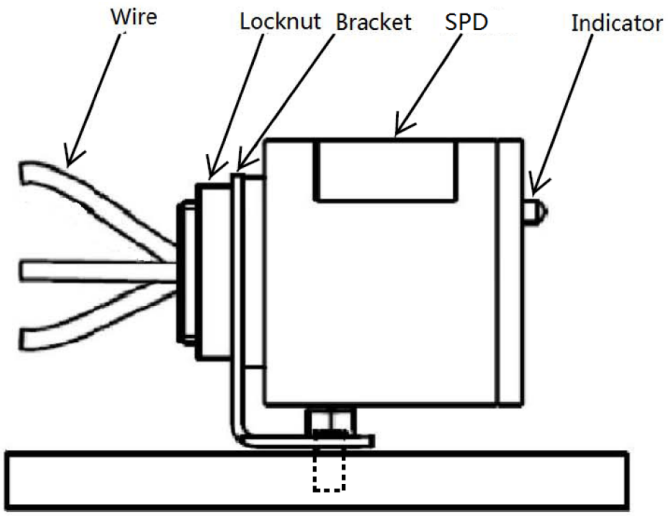
## 102549 - 10kA SURGE PROTECTIVE DEVICE (CON'T)

### WIRING DIAGRAM (IN SERIES)




### SCHEMATIC




### BRACKET INSTALLATION