# Surge Protection Devices

## SURGE PROTECTION DEVICE
## LSP4-480

The Hatch LSP4-480 surge protection device provides single phase protection for line/neutral, line/ground, and neutral/ground. The LSP4-480 offers protection for LED luminaires in a small and convenient flat form factor. The surge protector is a **Type 5 SPD** suitable for field or factory installation and is designed to be wired in parallel. The LSP4-480 also protects Electronic Fluorescent and HID ballasts as well as all other electronic products. The LSP4-480 is designed to meet the following testing requirements:

| Standard | Category |
|---|---|
| ANSI C136.2-2018 | Enhanced Test Level |
| IEEE C62.41.2-2002 | Cat. C High Exposure (10kV, 1.2/50µS & 10kA, 8/20µs) |
| ANSI C82.77-5-2017 | Cat. C Medium Exposure Level (10kV, 1.2/50µs & 5kA, 8/20µs) |


Field or Factory Installable

## SPECIFICATIONS

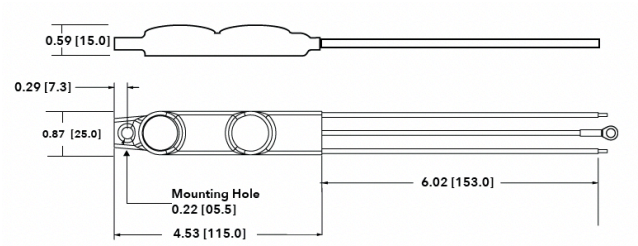
| | | | |
|---|---|---|---|
| **Input Voltage** | 347-480V (+/- 5%) | | |
| **Frequency** | 50Hz-60Hz | | |
| **Maximum Continuous Voltage** | 550V | | |
| **Maximum Discharge Current** | L-N 20kA; L-G, N-G 10kA (8/20µs standard wave) | | |
| **Nominal Discharge Current** | 5kA | | |
| **Measured Limiting Voltage (VpK)** | L-N | L-G | N-G |
| | 1880 | 2140 | 2140 |
| **Max Case Temperature** | 85°C | | |

| Pulse Rating (8 x 20 µSec) | | |
|---|---|---|
| **Surge Level** | **# of Strikes** | |
| | **L-N** | **L-G, N-G** |
| 10,000A | *2 | 1 |
| 6,500A | 4 | 2 |
| 5,000A | 30 | 15 |
| 2,000A | 200 | 100 |
| 700A | 2,000 | 1,000 |

*1 strike at 20,000A

## MECHANICAL DIMENSIONS [MM]

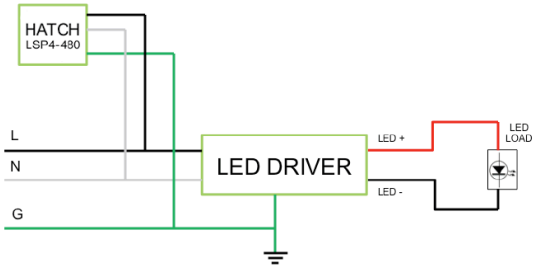
‡ Reference Dimensions Only




## DIMENSIONS [MM]

| | |
|---|---|
| **Length** | 4.53 [115.0] |
| **Mounting Hole** | 0.22 [5.5] |
| **Width** | 0.87 [25.0] |
| **Height** | 0.59 [15.0] |

## WIRING DIAGRAM




## WIRING INFORMATION

| | |
|---|---|
| **Surge Protector Wires** | 6", Black (L), White (N), Green (G) #14 AWG |

## PACKAGING INFORMATION

| | |
|---|---|
| **Weight** | 2.43oz |
| **Quantity** | 100pc/carton |

## APPROVALS

RoHS COMPLIANT · IP65 · c UL us

## WARRANTY

- 5 year limited warranty

Check with your sales person for availability.

Specifications are subject to change without notice.

The LSP4 series of surge protection devices are UL type 5 devices and are designed accordingly to meet UL1449 standard. LSP4 surge protectors are intended to be used in combination with properly rated overcurrent protection and in accordance with the intended application.

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