



The **Hatch Family of Surge Protection Devices (SPDs)** is designed to meet the needs of the lighting industry. All designs are parallel-type SPDs and are UL Recognized to UL1449. The products offer several protection levels and form factors to provide flexibility to incorporate surge protection in fixtures protecting LED drivers, ballasts, sensors, controls and IoT modules. All Hatch SPD's are UL approved for factory installation and field replacement.

APPROVALS



UL Recognized to UL1449

LSP4 FAMILY

Hatch's LSP4 surge protectors offer a compact design to fit in almost any lighting application. These Type 5 SPDs are IP65 rated and available in versions corresponding to the required line voltage, 120V-277V or 347V-480V.

The LSP4-UNV and LSP4-480 offers 20kA differential-mode and 10kA common mode protection for line-neutral, line-ground, and neutral-ground in single phase connections. The surge ratings conform to IEEE C62.41.2-2002 Category C Medium Exposure recommendations and tested according to the requirements in ANSI C82.77 Category C Medium Exposure level for lighting equipment.

The LSP4-20-UNV and LSP4-20-480 offers 20kA differential-mode and common mode protection for line-neutral, line-ground, and neutral-ground in single phase connections. The surge ratings conform to IEEE C62.41.2-2002 Category C Medium Exposure recommendations and tested according to the requirements in ANSI C82.77 Category C Medium Exposure level for lighting equipment.

IP65



LSP10-SM

Hatch's LSP10-SM is a perfect solution when integrating surge protection into a recessed fixture, highbay, lowbay, or linear where the fixture incorporates a junction box with a tight wiring compartment. With the unique **SNAPLOCK Mounting** design, LSP10-SM can be snapped into a knockout to free up the wiring box for wiring connections. Just like all Hatch SPDs, the LSP10-SM surge ratings conform to IEEE C62.41.2-2002 Category C High Exposure recommendations and are tested according to the requirements in ANSI C82.77 Category C Medium Exposure level for lighting equipment. The LSP10-SM provides 10kA, 120V-277V single phase protection for line-neutral, line-ground, and neutral-ground and is classified as a Type 4CA SPD.



SNAPLOCK™

SPECIFICATIONS

| Model Number | LSP10-SM | LSP4-UNV | LSP4-480 | LSP4-20-UNV | LSP4-20-480 |
|----------------------------|----------|----------|----------|-------------|-------------|
| Input Voltage | 120-277V | 120-277V | 347-480V | 120-277V | 347-480V |
| Maximum Continuous Voltage | 320V | 320V | 550V | 320V | 550V |
| Pulse Rating (8 x 20 uSec) | 10kA | *10kA | *10kA | 20kA | 20kA |
| Nominal Discharge Current | 5kA | 5kA | 5kA | 10kA | 10kA |
| Thermal Protection | ✓ | | | | |

* Line-Neutral Pulse Rating 20kA

HATCH SPD WIRING DIAGRAM

