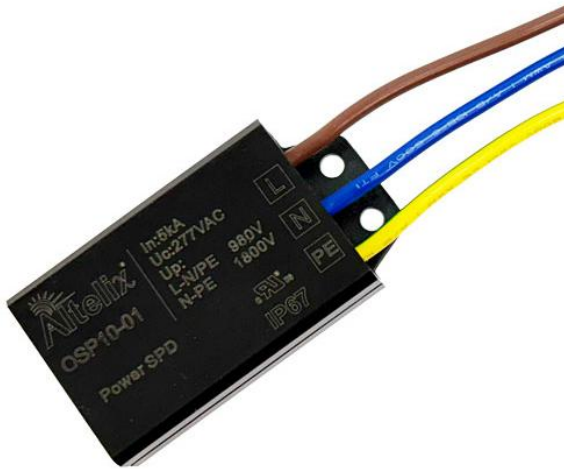




## Description

Unlike simple varistor-based protection circuits the Altelix OSP10-01 module utilizes UVT - Ultra Low Voltage Triggering Technology which features ultra-fast turn-on response and high energy dissipation with multi-strike capability. This module provides both single-mode and common-mode protection: L-G / N-G / L-N. In addition, the design eliminates leakage current, exceeding UL1449 levels and ensuring compatibility with GFCI outlets and breakers. The module is IP67 rated against moisture and dust.

## Specifications

### Electrical Parameters

**Operating Voltages** 110-277 VAC

**Max. Continuous Voltage** 277 VAC

### Surge Parameters

**Nominal Discharge Current (8/20 $\mu$ s) (In)** 5 kA

**Max. Discharge Current (8/20 $\mu$ s) (Imax)** 10 kA

**Nominal Discharge Voltage (1.2/50 $\mu$ s) (Vn)** 10kV

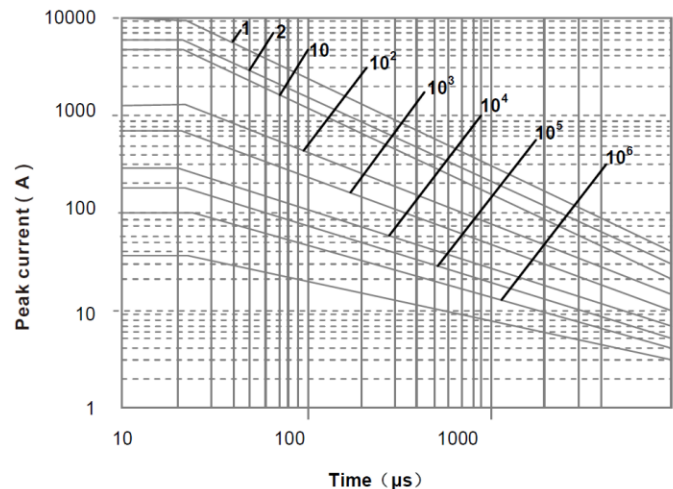
**Voltage Protection Level (Up)** L-N 960 V  
L-PE 960 V  
N-PE 1800 V

**Operating Temperature Range** -40~80° C

**Ingress Protection** IP67

**Fire Rating** UL94V0

### Surge test characteristics of OSP10-01



| Test                        | Surge | Strikes |
|-----------------------------|-------|---------|
| Pulse Rating (8/20 $\mu$ s) | 10kA  | 1       |
|                             | 7kA   | 2       |
|                             | 5kA   | 15      |
| TTF DATA                    | 10kA  | 2       |
|                             | 5kA   | 50      |