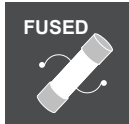




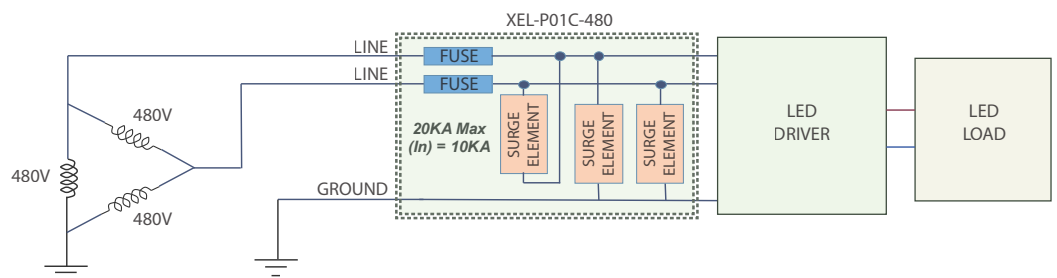
XEL-P01C-480-Low MLV Surge Protection Series

480V LED Driver SPD
IP66/NEMA4X



- Designed for 480V_{AC} Systems
- 10KV / 10KA*¹ Rating
- UL1449 Recognized: Surge protective device, Type 4 for use in SPD Type 2 applications
- Protection modes: L-N, N-G, L-L, L-G (x2)
- Designed to provide additional Surge Protection to the LED Driver
- IP66/NEMA4X makes it ideal for wet rated systems
- Suitable for indoor or outdoor applications
- Warranty: 5 years

Typical Application



Specification Data

Electrical Specifications

Nominal Working Voltage	480V _{AC} , 47~63Hz
Maximum Continuous Operating Voltage (MCOV)	L-G: 510V _{AC} (550 optional with higher MLV)
(In) Surge rating (UL1449)	5KA
Maximum Limiting Voltage* ³	1600V* ²
Max surge current	Ansi C62.41 C-High: 10KV/10KA
Clamping Voltage	1500V (100A)
Safety Standards	< 0.3 mA
Operating temperature	-40C ~ +60C

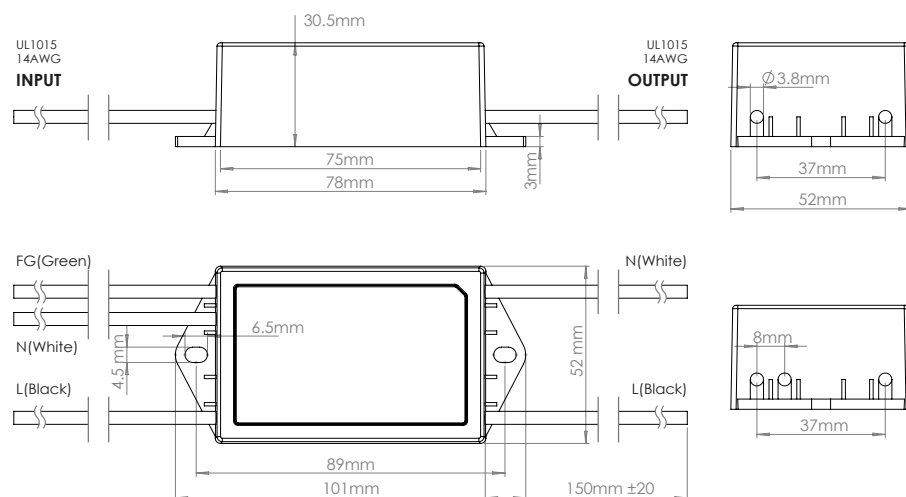
*1: 10KA Surge may cause opening of internal fuse limiting damage of downstream components

*2: Tested with 50mm wires. NOTE that MLV voltage in a parallel connected surge protector is impacted by wire length and physical wire configuration. XenerQi recommends wires be cut as short as possible for installation. If wires cannot be short, then wires should be tightly twisted together and tie wrapped to maintain twist.

*3: +10% Tolerance on MLV ratings This ensures the lowest inductance.

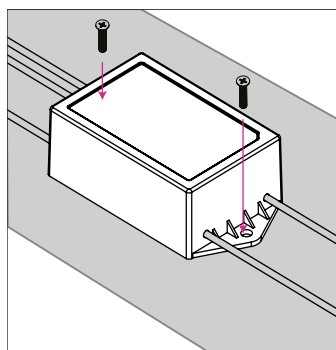
Mechanical Drawings-Dimensions

(not to scale)



Installation

Recommended



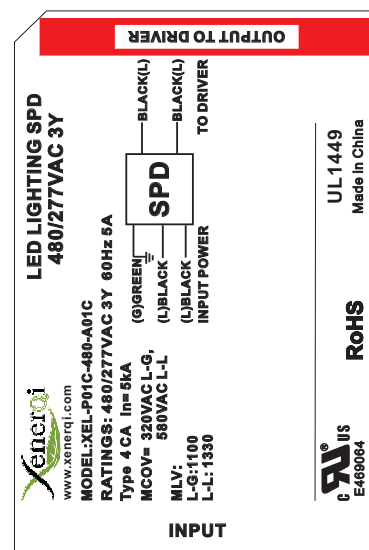
Fix using 2 M4 screws and 2 M4 nuts for recommended mounting.

It is recommended to use wires as short as possible to each section.

Labels-Details

Example

Labels contain unique serial numbers and bar codes for each unit.



Label Shown below is an example and might differ slightly from the one on actual product

Case

Material	Black ABS (5VA Plastic)
Unit Weight	TBC
Dimensions	101mm x 52mm x 30.5mm
Fixings	2x M4 Bolt

Wire Dimensions

Wire Gauge	14AWG (uL1015)
Wire Length	150mm (±20mm)
Strip Length	10mm (±2mm)

*Customized wire lengths available upon request.

Available Models

Variations available upon request

Part Number	Part Description
XEL-P01C-480-A01C	Xenerqi Surge Protection Device Low L-L, and Low L-G with 480V Input Voltage

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