

Product Specification

<u>Product Name:</u>	<u>10KV Surge Protection Device</u>
<u>Product Model:</u>	<u>MSP-10K-SURGE</u>
<u>Product Code:</u>	<u>MS006468-V0</u>
<u>Rev.</u>	<u>B.3</u>

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ECN History

[illegible]



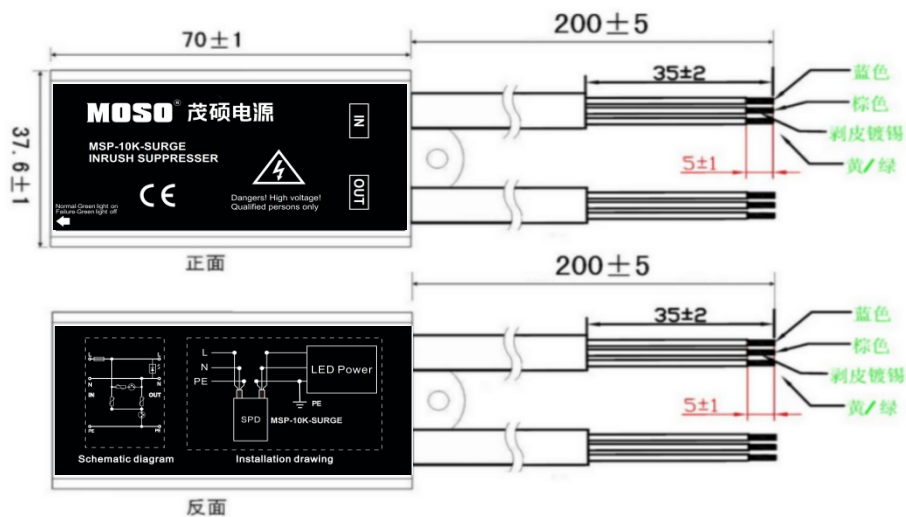
■ Features:

- Class I configuration
- protection Level L-N, L-PE, N-PE
- Conform to EN61643-11
- Thermal Fuse Disconnected
- Three-wire series connection
- Suitable for LED driver
- IP67 , Can be used indoor and outdoor

1. Specification

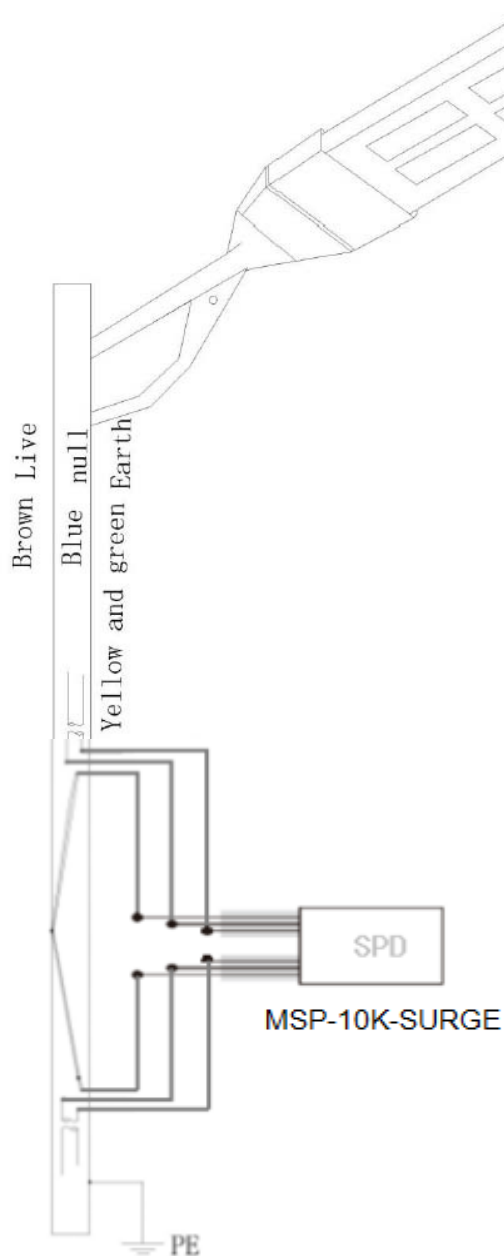
Model	MSP-10K-SURGE		
Application system	Single Phase power supply Protection level D		
Input voltage U_n	110-277VAC 50/60Hz		
Continued operating voltage U_c	320VAC		
Level of voltage protect U_p	L-N:1.3KV ; L/N-PE:1.3KV		
Nominal discharge Current $I_n(8/20\mu s)$	L-N	L-PE	N-PE
	5KA	5KA	5KA
Maximum discharge Current $I_{max}(8/20\mu s)$	L-N	L-PE	N-PE
	10KA	10KA	10KA
Combination Wave U_{0C}	10kV		
Maximum Input Current	8A(AC)		
Response time t_A	L-N:≤65ns ; L- PE:≤65ns; N-PE:≤65ns		
Rated power	1.5kW		
Applicable temperature	-40~+70℃		
Standards complied	Conform to UL 1449 (Class I) ; GB18802.1 ; EN61643-11, EN61000-4-5		
Dimension	81.5mm*37.6mm*16mm (L*W*H)		
Lead wiring	3x1.0mm ²		
LED indication function	SPD working Normal	SPD Failure	
	Turn On	Turn Off	

2. Outline drawing



3. Installation

Wire series connection: open the wire connecting box, connect one wire with power grid, connect another wire to LED driver. Then connect SPD brown wire to Live wire, connect blue wire to Neutral wire, connect yellow/green wire to earth wire. The connection point need to be welded safely according to IEC standard. Then put SPD into wire connecting box and fix it by screw.



Notice for installation

- 1. To make sure lighting pole and earth have a better connection, both Earth line Input and output need connect to lighting pole,
- 2. SPD was series connected in the LED circuit .