TOSO POWER SUPPLY TECHNOLOGY CO., LTD



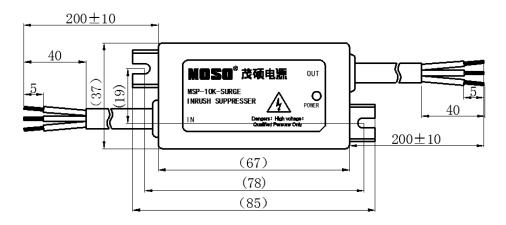
Features:

- Class 1 configuration
- Protection Level L-N, L-PE, N-PE
- Thermal Fuse Disconnected
- 3 wire series connection
- Suitable for LED driver
- IP67, can be used in indoor and outdoor

1. Electric Characteristics

Model	MSP-10K-Surge SPD (external SPD)			
Application system	Single Phase power supply Protection level D			
Input Voltage Un	100-277VAC 50/60Hz			
Continued operating voltage Uc	320VAC			
Residual Voltage	L-N<1.2KV;L/N-PE<1.5KV			
Nominal Discharge Current In	L-N	L	PE	N-PE
I _n (8/20us)	6.5kA	4	1kA	4kA
Maximum Discharge Current	L-N	L	PE	N-PE
I _{max} (8/20us)	12kA	6	.5kA	6.5kA
Resist lightning strike voltage U _{OC}	L-N:10KV L/N-PE:10KV			
Maximum Input Current	15A(AC)			
Response time t _A	L-N ≤25ns N-PE≤100ns; L-PE≤100ns			
Nominal Load Power P _w	2kW			
T-ambient	-40~+70°C			
Thermal Fuse Disconnected	+136℃			
Weight	0.15kg			
Safety standard	Conform to EN 60950-1:2006+AC:2011,GB18802.1-2011			
	Q/75875187-9·1-2011,IEC61000-4-5			
Size	85*37*40 (L*W*H) Unit: mm			
Lead wiring	3x1mm ²			
LED indicator	SPD working I	normal		SPD failed
	Turn or	1		Turn off

2. Drawing data



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.

