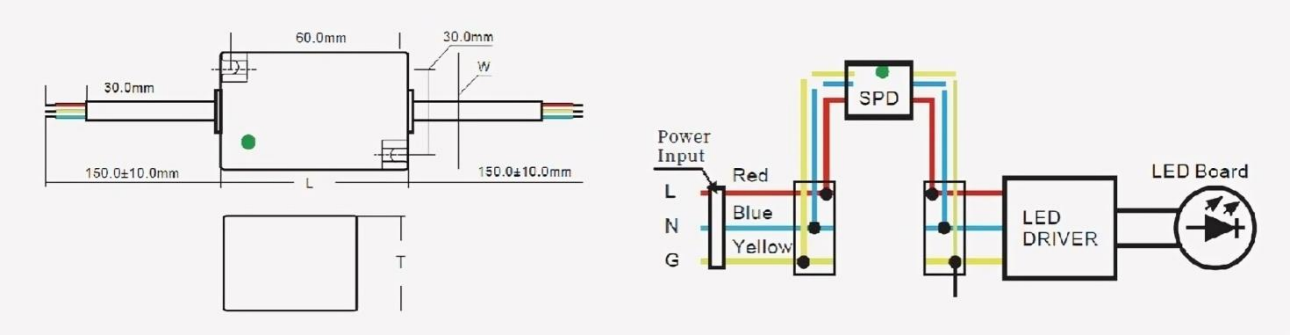
CLASS II POWER SURGE PROTECTOR

SPECIFICATION - ZYS-S10WLED/II



A protective device used to safeguard LED lighting equipment and its power supply system from damage caused by lightning strikes or grid surges (sudden voltage changes). It is mainly used to absorb or discharge instantaneous overvoltage and overcurrent, ensuring the safe and stable operation of LED lamps, driver power supplies and related circuits.

- Compact and easy to install
- High surge current absorption and multi-level protection design
- Fast response time
- Outdoor type IP67 protection grade



input voltage	Lightning protection rating	IP Rating	Connection mode	Certificate
90-350Vac	L-N:10KV	IP67	in Series	TUV/CE

Shenzhen Zhongyuan Technology Co., Ltd.
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Overview:

ZYS-S10WLED/II series surge protector is a transient over-voltage protection device specially used for outdoor LED lighting system. It is mainly composed of thermal protection varistor and gas discharge tube device. It can be installed in LED lamp or perpetual lamp and connected with LED power driver to provide reliable surge protection. It can effectively prolong the service life of lamps and improve the stability of lamps and lanterns.The protection device must be metal oxide varistor type MOV (Metal Oxide Varistor).

Features:

- Applicable to class I or II lamps
- Built in protection mode: L-N, L-PE, N-PE
- Built in thermal separation function for higher security
- Series isolation design, excellent protection performance
- Excellent surge resistance and very low residual voltage
- Double insulation cable and wire
- Small and convenient for embedded installation
- IP67 dust proof and waterproof grade
- With LED indicator.The LED indicator will be on if it works.



Application:

Digital Signage ◆Traffic Lighting ◆Flood Lighting ◆Tunnel Lighting ◆Street lighting ◆Wall Lamp ◆Road Lighting◆Parking Lighting ◆AC-LED Lighting.

Parameters:

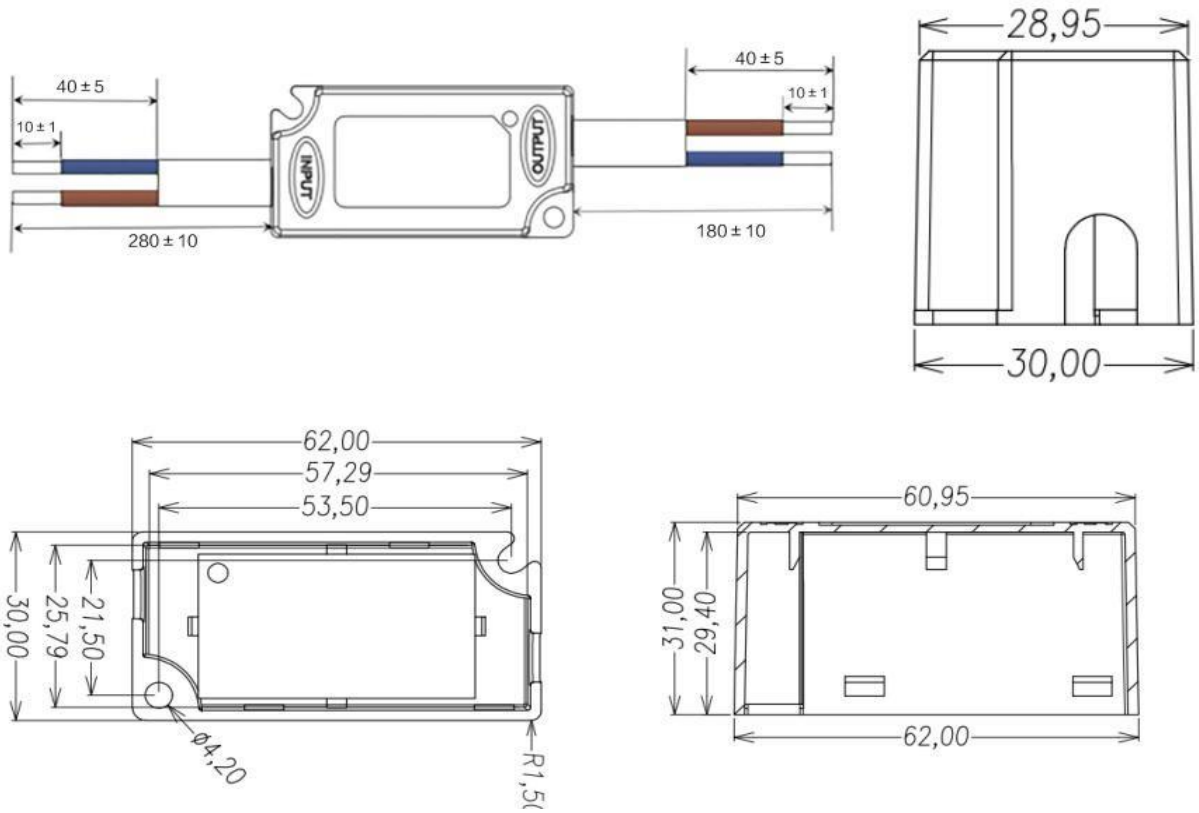
Product Model	ZYS-S10WLED/II
Rated working voltage/Un（VAC）	90-277V
Maximum continuous working voltage/MCOV/Uc（VAC）1	350V
Rated load current/IL(A)	5A
Nominal discharge current/In(kA)2	5KA
Maximum discharge current/Imax（kA）3	10KA
Surge impulse voltage/Uoc（KV）	10KV
Voltage protection level/Up(V)4	L-N≦1.5
power supply system	TN
Waterproof grade	IP67
work environment	-40℃~+85℃
EN 61643-11 test classification	Type 2

Remarks:
1. Maximum continuous working voltage MCOV/UC(VAC): The maximum continuous working voltage continuously applied to the SPD line end
2. Nominal discharge current (In) (kA): The measured value of SPD withstand capability; the measured value of 15 pulses using 8/20us current waveform.
3. Maximum discharge current (max) (kA):The maximum discharge current is the measured value of the SPD's maximum withstand capability, and the measured value of 2 pulses using 8/20us current waveform
4 Voltage protection level/Up: IEC61643-11 voltage protection level, the maximum residual voltage measured value of the nominal discharge current (ln) under continuous application of 8/20u pulses, is the maximum voltage measured value after one round.

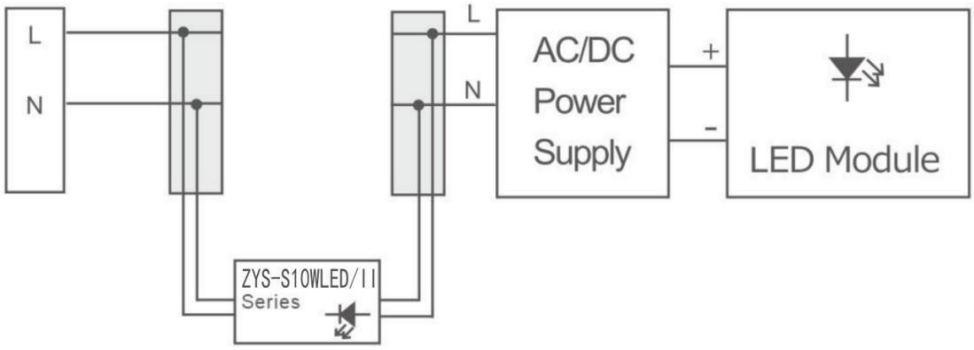
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Dimension

单位（mm）



Diagram



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