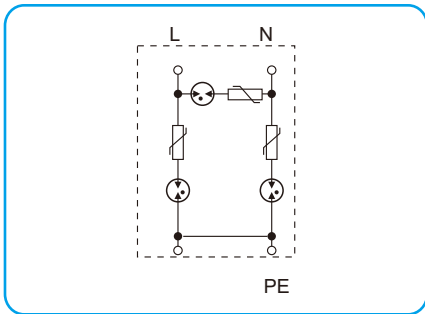


Surge Protective Devices For LED Power Supply system



Basic circuit diagram

LED Street Lights Power SPD: designed for protecting 120-277V LED Driver and could be connected perfectly with its input port, sealed enclosure, waterproof and dustproof, IP65 protection grade, belongs to Class III power SPD. This SPD use common mode, differential mode, full protection with leakage current and cut the overcurrent capabilities. The product size small, 97x45x22mm(includes mounting holes), using parallel wiring, attached with L, N and PE cable, very convenient in installing. The maximum discharge current is 10kA/line, nominal discharge current is 5kA/line, able to withstand voltage 15kV, the level of protection is below 1.1kV, especially good for protecting LED Street lights form lightning surge damage.

| Type | | |
|--|-----------|--|
| Nominal operating voltage | U_n | 110~277V AC |
| Rated voltage (max. Continuous voltage) | U_c | 300V |
| Nominal discharge current(8/20 μ s) | I_n | 5kA |
| Max. discharge current (8/20 μ s) | I_{max} | 10kA |
| Nominal discharge voltage | V_n | 10kV |
| Maximum discharge voltage | V_{max} | 15kV |
| Voltage protection level | U_p | 1.1kV |
| Response time | t_A | 25ns |
| Max. Backup fuse | | 16A gL/gG |
| Cross-section area | | 1.5mm ² flexible |
| Operating temperature range (parallel wiring) | T_{UP} | -40°C...+70°C |
| Operating temperature range (through wiring) | T_{US} | -40°C...+70°C |
| Mounting on | | Custom |
| Enclosure material | | Thermoplastic |
| Size | | 97×45×22mm |
| Test standards | | IEC 60950-1/IEC62368-1 IEC 60065 test standard |
| Outer casing protection grade | | IP65 |

