

STR201P/12

The surge protector device designs according to the national standard of GB/T18802.21-2004/IEC61643-21:2000

Features:

- > Application in low-voltage AC,DC power system surge protection. Protect them from the over-Voltage, over-Currency, electrostatic discharge etc.; The main traits as follows: Multi-level protection, width capacity, low limit-voltage, fast response time, Low insertion loss, high speed and so on;

Working Principle:

Surge protector link with the equipment which be protected in the front of the system. When transmission lines were happen to the lightning and other instantaneous overvoltage shocked, the impulse current through the surge protector grounding cables discharging into the earth, and limit output the voltage with the device allow -voltage. Ensure the safety of the equipment.

Installations, Use and Maintenance:

1 Installation steps

- \*Before connecting the protector to the system, Make sure check grounding resistance and conform to the criteria with the requirements;
- \* Connect the protector to the front of the device firmly.
- \* Use the short and thick grounding lines as possible as you can to connect with the Earth-termination system.

2 Note:

- \*There are IN and OUT icons marked on the protector, and the OUT port should be connected with the protected device, please don't make mistake. Or it will cause damage to the protector,and also the device can't be protected as expect.
- \*Due to sockets connected interface factors caused the loss of poor, should be replace the protector or maintenance.
- \*Users Can't removes the fasteners part of the device, in order to avoiding damage and affect the normal work.

3 Protector examination

- \*Use the Multimeter with " $\Omega \times 1$ " range to measure the protector's resistance, the value should be around  $0\ \Omega$  ; If not, protector need to be replaced.
- \* Use the Multimeter with " $\Omega \times 10K$ " range to measure the middle line to earth-ground resistance, the value will be around  $400K\Omega$ , if not ,need to replace the protector.



SPD  
Low AC/DC Power

Specifications:

- Temperature:-40℃～70℃;
- Relative humidity:≤95%;
- Atmospheric pressure:70kPa～106 kPa.

MODEL	STR201P12V
Nominal working voltage $U_n(V)$	12
Max continuous operation voltage $U_c(V)$	18
Nominal discharge current $I_n\ (8/20\mu s)\ KA$	5
Max discharge current $I_{max}\ (8/20\mu s)\ KA$	10
Protection Level $U_p\ (10/700\mu s)V$	24
Response time $T_a$	25ns
Shell protection level	IP20
Dimension	65*26*26 mm
Shell material	Aluminum
Interface type	Terminal 2Pin

Product appearance and the installation instructions:

