Model SP-48DC10

48V Din-rail Surge Protector

Product Datasheet
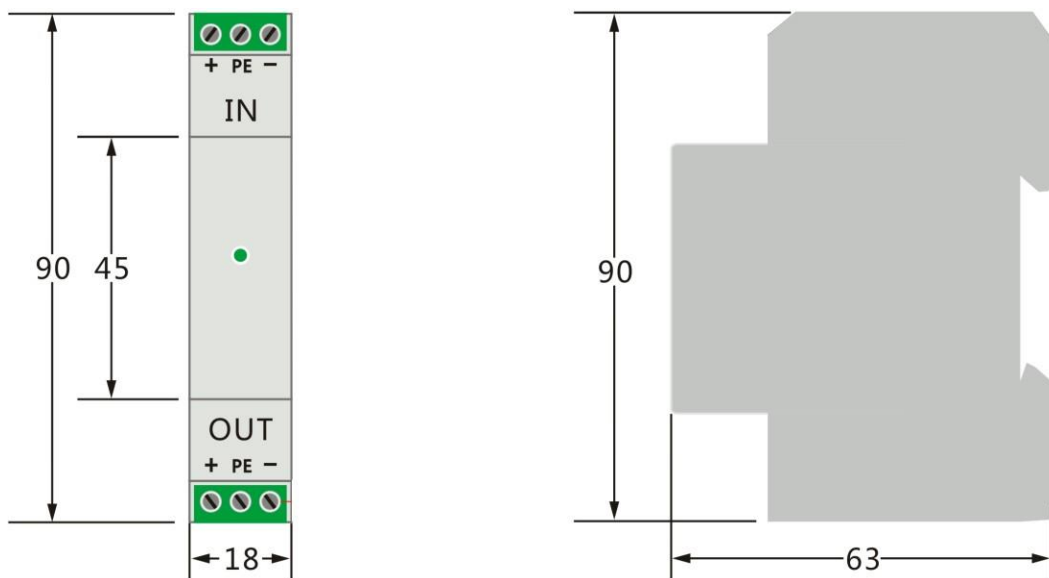
SP-48DC10 is 48V Din‑rail Surge Protector. It is mainly used to protect electrical equipment from low-voltage AC or DC lightning, including surveillance, communication, electric power, railway, medical and factory automation control systems.

Features

◆ Compact size, rail-mounted design

◆ Suitable for protecting 48V power line

◆ High discharge capacity, low residual voltage and minimal insertion loss

◆ Built-in self-restoring discharge element for long service life

Dimension

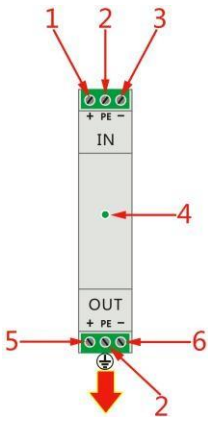**Note: Dimension error value ±1 mm**

Technical Parameter

Category	Description
Working Voltage Un (V)	48
Normal Discharge Current In (kA)	5
Maximum Discharge Current Imax (kA)	10
Response Time (ns)	1
Insert Loss (dB)	≤0.2
Weight (g)	100
Working Temperature	-40℃ ～ +80℃
Working Humidity	＜95% Non-condensation

Installation Diagram

Installation Instructions

No	Step
1	Strip the copper core out of positive pole, place it in the screw clip and fix (1)
2	Connect the grounding wire, the inlet and outlet wires of the module only need to be connected to the ground side (2)
3	Strip the copper core out of negative pole, place it in the screw clip and fix (3)
4	The status indicator light constantly goes on under normal conditions, goes off when fault or failure occurs (4)
5	Strip the copper core out of the positive pole, place it in the screw clip and fix (5)
6	Strip the copper core out of the negative pole, place it in the screw clip and fix (6)

Shaoxing Ourten Electronics Co., Ltd.

#1 Liando U Valley, No. 1999 Wuxing West Road, Shangyu, Zhejiang, China

Tel: +86-21-5888 9980 (+86-575-8213 7256); Fax: +86-575-8212 7256

Email: sales@ourten.com

www.ourten.com

Thank you for choosing Ourten!