

***Prostal***

**Model PSP-48DC10**

**48V Din-rail Surge Protector**

**Product Datasheet**



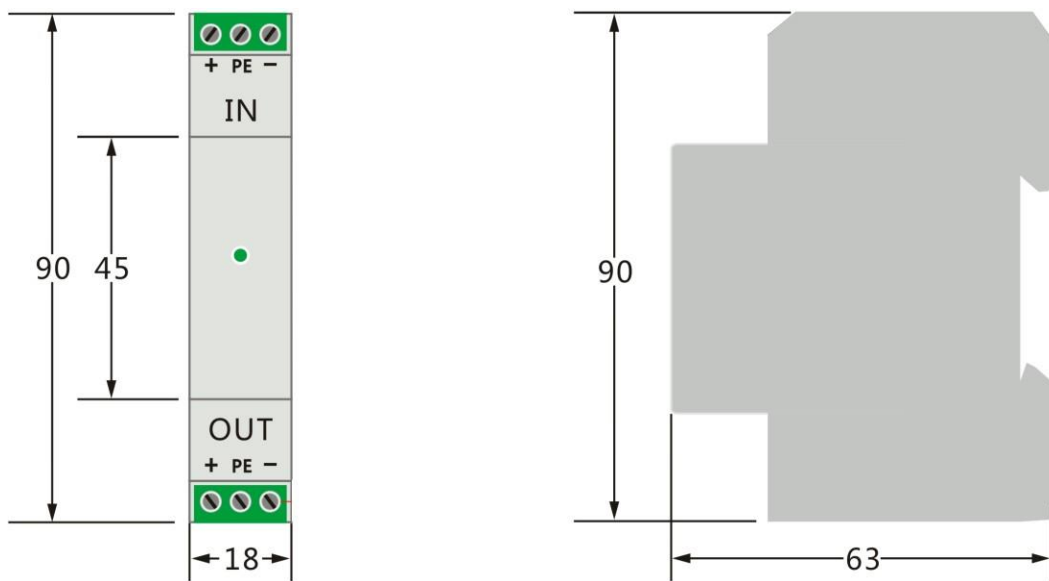
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**PSP-48DC10** is 48V Din-rail Surge Protector. It is mainly used to protect electrical equipment from low-voltage AC or DC lightning, including surveillance, communication, electric power, railway, medical and factory automation control systems.

## 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  $\pm 1$  mm**

## Technical Parameter

Category	Description
Working Voltage $U_n$ (V)	48
Normal Discharge Current $I_n$ (kA)	5
Maximum Discharge Current $I_{max}$ (kA)	10
Response Time (ns)	1
Insert Loss (dB)	$\leq 0.2$
Weight (g)	100
Working Temperature	$-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$
Working Humidity	$< 95\%$ Non-condensation

## Installation Diagram



## Installation Instructions

	No	Step
<p>The diagram shows a vertical terminal block with two sections: 'IN' and 'OUT'. Each section has three terminals labeled '+', 'PE', and '-'. A green ground symbol is located between the two sections. Red arrows and numbers indicate the following steps: 1. Strip the positive wire and connect to the top '+'. 2. Connect the ground wire to the top 'PE'. 3. Strip the negative wire and connect to the top '-'. 4. A green dot on the terminal block indicates the status indicator light. 5. Strip the positive wire and connect to the bottom '+'. 6. Strip the negative wire and connect to the bottom '-'.</p>	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)