

## **Model PSP-M20-385-2P**

### **1-Phase Power Surge Protection Module**

### **Product Datasheet**

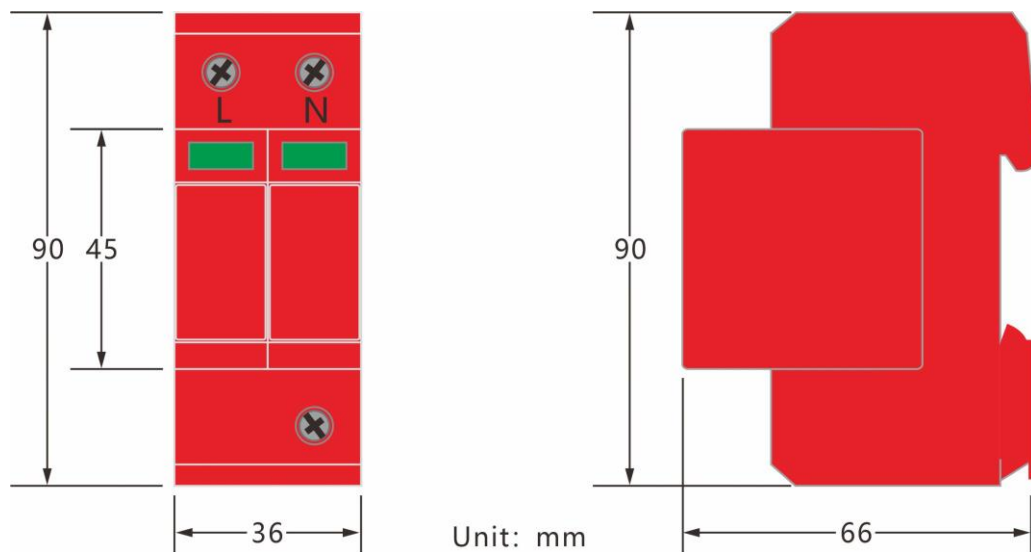


**PSP-M20-385-2P** is 1-Phase Power Surge Protection Module. It is widely used to protect power distribution stations, rooms, cabinets, AC or DC power distribution panels, switch boxes, and various other important equipment vulnerable to lightning.

## Features

- ◆ Max. discharge current 20kA for single-phase power protection
- ◆ Modular design with performance status display
- ◆ High discharge capacity, low residual voltage and fast response time
- ◆ Built-in varistor discharge material for long service life

## Dimension

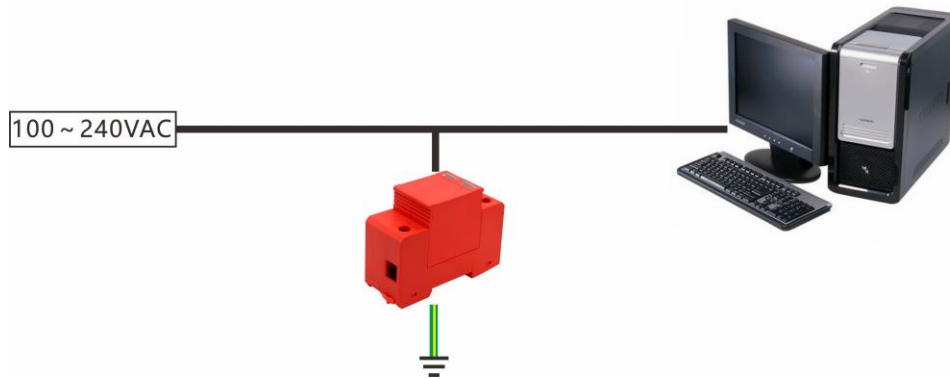


**Note: Dimension error value  $\pm 1$  mm**

## Technical Parameter

| Category  | Description                            |
|---|--|
| SPD according to EN 61643-11 / IEC 61643-11               | type 2 + type 3 / class II + class III |
| IEC power supply system                                   | TN-S                                   |
| Nominal Voltage (a.c.) (Un)                               | 220V (50/60 Hz)                        |
| Max. Continuous Operating Voltage (a.c.) (Uc)             | 385V (50/60 Hz)                        |
| Nominal Discharge Current In (8/20 $\mu$ s)               | 10kA                                   |
| Maximum Discharge Current I <sub>max</sub> (8/20 $\mu$ s) | 20kA                                   |
| Voltage protection level [L-PE]/[N-PE] (Up)               | 1.5kV                                  |
| Response Time (ns)  | <25                                    |
| The Nominal Value of Protective Fuse                      | 25A gL/gG                              |
| Temporary Overvoltage (TOV) (UT) – Characteristic         | 440 V / 120 min. – safe failure        |
| Working Temperature                                       | -40°C ~ +80°C                          |
| Weight (g)  | 185                                    |
| Mounting type   | DIN rail: 35 mm                        |
| Degree of Protection                                      | IP20                                   |

## Installation Diagram



## Installation Instructions

|  | No | Step  |
|--|----|---|
|  | 1  | Put the wire L of single phase power line in the screw clip (1) |
|  | 2  | Turn the nut clockwise, and fix the wire (2)                    |
|  | 3  | Put the wire N of single phase power line in the screw clip (3) |
|  | 4  | Turn the nut clockwise, and fix the wire (4)                    |
|  | 5  | Put the ground lead in the crew clip (5)                        |
|  | 6  | Turn the nut clockwise, and fix the wire (6)                    |