



**Model SP-M20-385-2P**

**1-Phase Power Surge Protection Module**

**Product Datasheet**



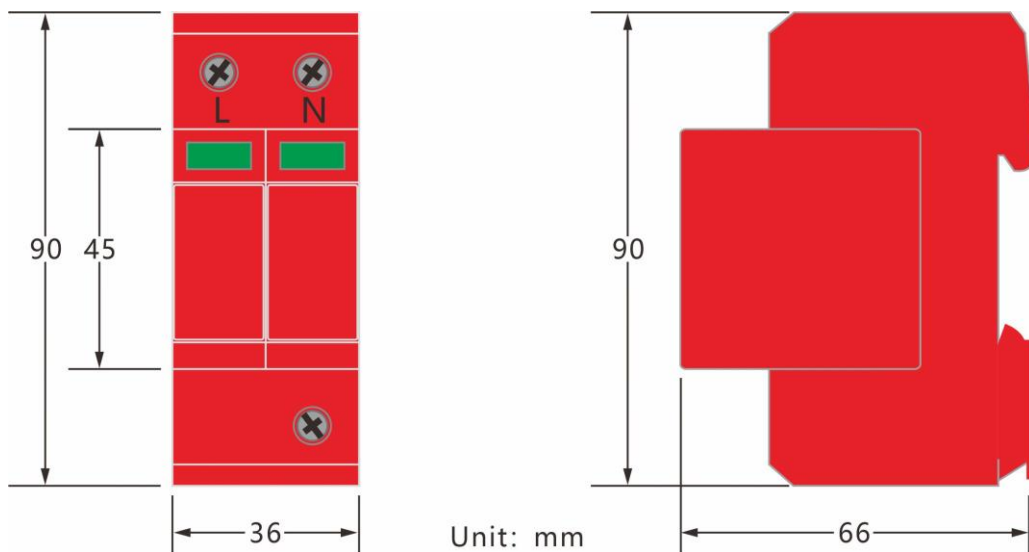
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**SP-M20-385-2P** is 1-Phase Power Surge Protection Module. It is widely used to protect power distribution stations, rooms, cabinets, AC or DC power distribution panels, switch boxes, and various other important equipment vulnerable to lightning.

## 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



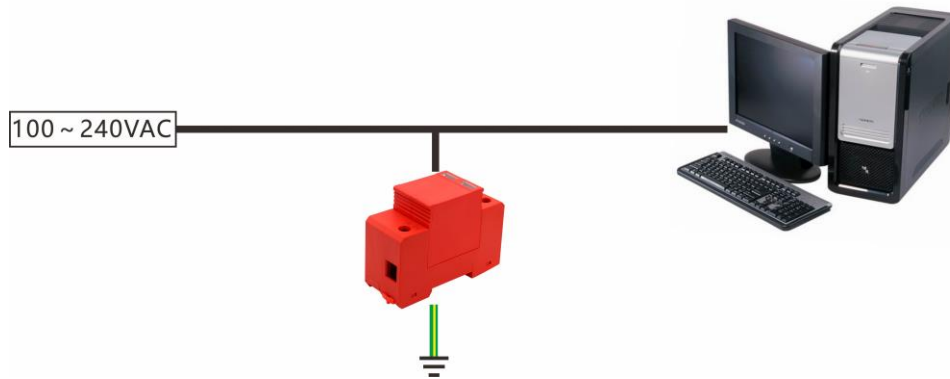
Unit: mm

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

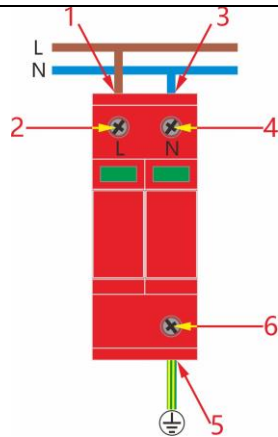
## Technical Parameter

Category	Description
Working Voltage Un (V)	220
Limiting Voltage Up (V)	385
Normal Discharge Current In (kA)	10
Maximum Discharge Current I <sub>max</sub> (kA)	20
Response Time (ns)	<25
Leakage Current (μA)	≤20
Protection Level Up (kV)	≤1.5
Terminal Type	Screw Terminal
Weight (g)	185
Working Temperature	-40°C ~ +80°C
Working Humidity	<95% Non-condensation

# 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)



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