

Model PSP-M40-385-2P

1-Phase Power Surge Protection Module

Product Datasheet

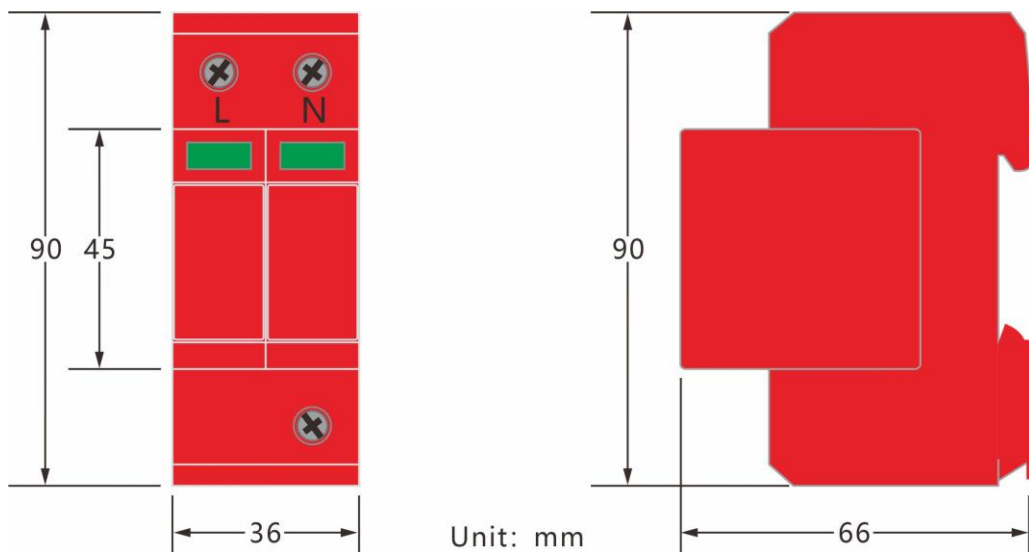


PSP-M40-385-2P is 1-Phase Power Surge Protection Module. It is widely used to protect power distribution stations, rooms, cabinets, AC or DC power distribution panels, switch boxes, and various other important equipment vulnerable to lightning.

Features

- ◆ Max. discharge current 40kA 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



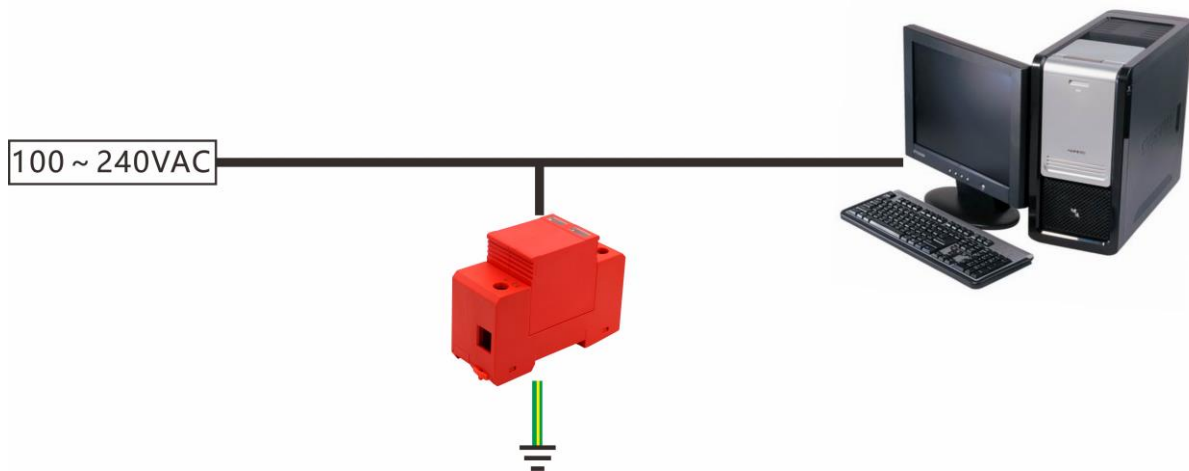
Unit: mm

Note: Dimension error value ± 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 μ s)	20kA
Maximum Discharge Current I _{max} (8/20 μ s)	40kA
Voltage protection level [L-PE]/[N-PE] (Up)	1.8kV
Response Time (ns)	<25
The Nominal Value of Protective Fuse	80A 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

<p>The diagram shows the terminal block of the surge protector. It has two main sections: a top section for L and N wires and a bottom section for a ground lead. Callout 1 points to the L wire terminal, 2 to its nut, 3 to the N wire terminal, 4 to its nut, 5 to the ground lead terminal, and 6 to its nut. The L and N terminals are labeled 'L' and 'N' respectively. The ground lead terminal is labeled with a ground symbol.</p>	<p>No</p>	<p>Step</p>
	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)