

Low Voltage Switch Company - Low Voltage Electronic Components



[MY2 Current Surge Protector](#)

About the Product:

MY2 Current Surge Protector (hereinafter refers to “protector”) adopts to AC 50/60Hz、380V and below TN-S、TN-C、TN-C-S、TT、IT power supply system. It protects the over-voltage of the grid against lightning or surging.

Expiration Release Device: The expiration release device is installed on the protector module. When the protector is over-heated and has a penetration failure, the expiration release device can automatically releases from the grid and sends out instruction signal. The protector has a green sign when it is in normal operation and it will change into a red sign after its expiration. Alarm , The alarm is of AC 220V power supply. It is green and the open contact point is closed when the protector is in normal operation

Acousto-optic alarm function: if the protector module expires, the alarm sounds like buzzing and turns into red light.

If the maintenance person presses the stop button, the buzzing sound will pause (the red light is on) for 24 hours. If the failure has not been eliminated, the alarm will send out buzzing sound once again.

Technical Parameters

model	MY2-10/□	MY2-10/□	MY2-10/□	MY2-10/□	MY2-10/□
target	-140	-275	-320	-385	-420
maximum continuing working voltage U _C	140v	275v	320v	385v	420v
voltage protection level U _P	0.8kv	1.2kv	1.5kv	1.8kv	2.0kv

standard discharging current I N (8 / 2 0 U S) K A	5	5	5	5	5
maximum discharging current I M A X (8 / 2 0 U S) K A	10	10	10	10	10
response time N S	<25				
test level					
width M M	18				
color	yellow				
protection rank	IP20				
shell material	Reinforced Flame Retardant PBT				
environmental temperature			-40 ~ +85		
fuse or circuit breaker (A) 10 ~ 16 A					
wire specification	phase wire, zero wire	2.5 ~ 35m m ²			
	ground wire	4.0 ~ 35m m ²			
	signal wire	1.5m m ²			

Installation Position and Application:

Installed at the junction of LPZ1, LPZ2 and LPZ3 zone. Protection rank is .

The protector is installed on standard 35mm track.

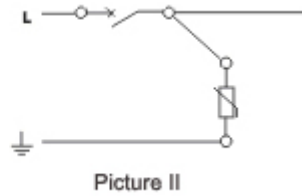
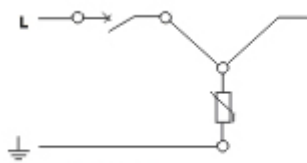
The protector is connected by 2.5~35mm² copper wire. They are connected in the following two ways:

(1) From the power supply switch to the protector and then the load terminal. This way applies to power distribution cabinet of 100A or below load current. The wire section should in accordance with the load current. (Please refer to Picture I)

(2) From the power supply switch to the protector and then from the switch to the load terminal. This way applies to power distribution cabinet of 100A or above load current. The wire section connected with the protector is affected by the load current and its length should no exceed 500mm. (Please refer to Picture II).

The ground wire should be double-colored, longer than 4mm² and the maximum length is 500mm.

In order to prevent the grid from abnormal operation after the protector expiration, the protector connected with L wire should connect with a 10~32A fuse in series.



Adjustment, usage and maintenance

SPD does not need adjustment after the standard installation.

Regularly check whether the module sign is red or not and replace the expired parts timely.

Contour and installation dimensions of the protector please refer to MY2-10.