

## AC/DC Surge Protective Devices

### 1) .Product Description:

This SPD is applied to provide over voltage protection for AC/DC power supply electronic equipment. D class over voltage protection device, designed according to IEC and GB standard, various power supply voltage available and select corresponding specifications.

- ◆ The product used for lightning protection zone: LPZ2 area at the junction with the LPZ3 (D class) power lines of the lightning surge protection.
- ◆ Adopt high temperature resistant plastic with excellent tightness, and easy installation.
- ◆ Adopt temperature control circuit breaker technology which has built-in over current breakers and thermal fuse circuit breakers, automatically trip once deterioration
- ◆ With modular deterioration indication design and flame-retardant shell.
- ◆ With disproof, anti-corrosion and other functions.
- ◆ Working stability in a harsh environment for long-term.
- ◆ Widely used for surge protection of the telecommunications room AC/DC bus, AC/DC busbar microwave communications room, substation bus, control bus.

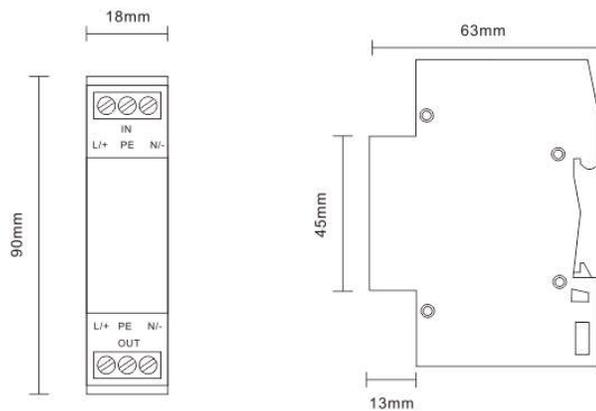
### 2) .Technical Parameter:

TYPE:	HM-220D
Protection Class:	D
Maximum Load Current:	4A
Operating Voltage (Un):	220V
Nominal Discharge Current(8/20 $\mu$ s) (In):	5KA
Max. Discharge Current(8/20 $\mu$ s) (Imax ):	10KA
Voltage Protection Level( Up):	$\leq$ 900V
Max. Continuous Operating Voltage (Uc):	470V
Response Time:	<25ns
Leakage current:	$\leq$ 20 $\mu$ A
Protection Mode:	"L/+"-PE/"N/-"-PE
Working Environment:	Temperature -40°C +80°C;Relative humidity<95%;
Material of Outer Shell:	Flame retardant materials
Dimension(mm):	90*23*66
Weight(kg):	0.072

3) .Product Installation:

1. The SPD connected in series with the power lines, then connect with the ground net.
2. When installed, in and out terminal of SPD will be corresponding connected with "L/+","N/-"pole of the AC/DC power; "PE" is connected with grounding line; Connection way is by screwing tightly.
- 3.All wires must be solid and connected by electrics cable. SPD cable:  $BVR \leq 2.5\text{mm}^2$ .
- 4.Grounding of lightning protection should comply with the lightning protection standard; grounding wire should be as thick and short as possible, ground resistance should be less than  $4\Omega$ .

4) .Dimensions



5) .Installation ways

