

# POWER SURGE PROTECTOR

## (1) Product Description:

This product is designed with artistic outline, easy wire connection and simple installation, simple maintenance, working in a relatively harsh environment and maintaining in a long-term stability. This product is applied to front end of power distribution equipment, it can effectively prevent over voltage and over current which are induced by lightning or industrial noise and other factors, and other transient surge voltage on the system or equipment or cause permanent damage or momentarily interruption and other hazards.

- ◆ High current capability, low residual voltage
- ◆ Fast response time.
- ◆ Full protection structure, perfect protective effect;
- ◆ With the power indicator
- ◆ Import international brand components.
- ◆ Stable performance, long life.
- ◆ Energy saving, environmental protection, easy installation.

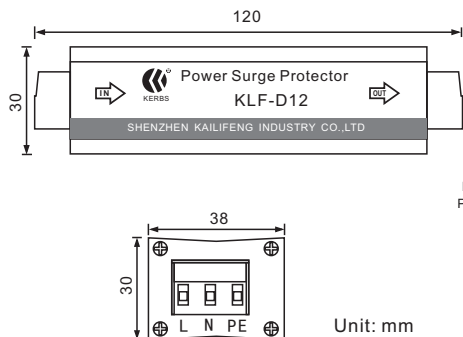
## (2) Technology parameters:

TYPE	KLF-D12
Protection Class	D
Operating Voltage(Un)	12V
Rated Current	5A
Nominal Discharge Current(8/20μs)(In)	5KA
Voltage Protection Level(Up)	≤120V
Response Time	<25ns
Leakage current	≤20μA
Working Environment	Temperature:-40°C~+70°C;Relative humidity:<90%
Protection Mode	L-N,L/~PE, N/~PE
Material of Shell	Aluminum alloy
Dimension(L×W×H)	120×30×38mm
Weight	0.11kg

## (3) Product installation:

1. The lightning protection devices is installed in series between the power lines and the protected device, the output termination is connected with the protected equipment.
2. All wirings must be solid and connected by electric. SPD grounding line:  $BVR \geq 2.5mm^2$ .
3. Lightning proof grounding should be consistent with lightning protection regulatory requirements, grounding wire should be as thick and short as possible, resistance should be less than 4Ω.

## (4)Product size chart:



## (5) Installation diagram:



Unit: mm