

# SUP2-T1+T2 AC Series surge protection devices

## Product Introduction

The SUP2 series surge protector is a one-port voltage-limited surge protector for indoor installation. It is suitable for AC 50HZ/60HZ, rated voltage 230/480V and TT, IT, TN-S, TN-C, TN-CC. The power supply system is used for the first and second level protection of L/N-PE respectively. It is suitable for protecting low voltage power grids and various electrical equipment and control systems. It is used to suppress the transient voltage of the equipment. Discharge and discharge energy, and voltage limiting various surge and overvoltages to protect system circuits and equipment. The product meets the standard: GB/T118802.1, IEC61643-11

## Function:

### **Fail-out device:**

The SPD module is equipped with a failure-disengagement device. When the protector is overheated and the breakdown fails, the failure-disengagement device can automatically detach it from the grid and give an indication signal. The indicator box displays green when the protector is normal, and the indicator box displays red after the failure is detached.

### **Remote signal contact:**

SPD can be made into a product with contacts. If one or more modules of the protector fail, the contacts close and send out fault information.

Installed in parallel on the DC networks to be protected and provide common and different modes protection.

## Parameters

SUP2 series surge protector	SUP2	
Rated working voltage	230V/480V	
Nominal discharge current in(8/20μs)kA	20	30
Max Nominal discharge current imax (8/20μs)kA	40	65
Impact Discharge current(10/350)	7kA	

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Maximum continuous operating voltage (Uc)V	275	320	385	420	275	320	385	420
Voltage protection level(U <sub>p</sub> )kV	<2.0	<2.0	<2.0	<2.0	<2.2	<2.2	<2.2	<2.2
Response time(ns)	<20							
Leakage 0.75u ImA(mA)	<20μA							
Operating temperature range	-40℃ + 80℃							
Normal discharge current	12.5ka							
Response time	<25ns							
Operating state/fault indication	green(good) Red(replace)							
Mounting	35mm din rail per EN 60175							
Enclosure material	PBT/PA66							
Degree of protection	IP20							
Capacity	3 Modules, din 43880							
Pole	1P, 2P, 1P+N, 3P, 3P+N, 4P							
Installation conditions:	In the medium without explosion hazard, there is no gas and dust (including electric dust) in the medium which is enough to corrode metal and damage the insulation.							

### Installation Size:

