

SUP1-D/C/B

Surge protective device



Application

SUP1(D, C, B) 5 series surge protection device (in short: SPD, alias: surge suppressor, surge arrester) is suitable for TN-S, TN-C-S, TT, IT etc. power supply system of AC 50/60Hz, <380V, installed on the joint of LPZ1 or LPZ2 and LPZ3, it's designed according to IEC61643-1, GB18802.1, it adopts 35mm standard rail, there is a failure release mounted on the module of surge protection device. When the SPD fails in breakdown for over-heat and over-current, the failure release will help electric equipments separate from the power supply system and give the indication signal, green means normal, red means abnormal, it also could be replaced for the module when has operating voltage.

Product features

- Could be replaced for the module not need power off.;
- Maximum current of endure the lightning stroke 40kA (8/20 μ s).
- Time of response <25ns.;
- The color of visible window shows operating status, green means normal, red means abnormal.

Specifications

Technical Parameters	SUP1 D.C.B						
Protection Level B,C,D Grade	D.C.B						
Rated Operating Voltage Un(V~)	380V /220V						
Maximum Continuous Operating Voltage Uc(V~)	275V	320V	385V	385V	385V	420V	420V
Voltage Protection Level Up(V~)kV	≤ 1.0	≤ 1.2	≤ 1.8	≤ 2.0	≤ 2.2	≤ 2.8	≤ 2.0
Nominal Discharge Current In(8/20s)kA	5	10	20	30	40	60	20
Maximum Discharge Current Imax(8/20s)kA	10	20	40	60	80	100	40
Response Time (ns)	<25						
Test Standard	IEC61643.1,GB18802.1						
Operating Environment (centigrade)	-40℃ ~+85℃						
Max Connection Line	35mm ² hard wire/ 35mm ² strand wire copper line						
Recommended Connection Line	16mm ² hard wire/ 25mm ² strand wire copper line						
Installation	Standard Rail 35mm						
Material of Outer Covering	Burning-proof Nylon						

Dimensions

