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INQUIRY

Application principle of Surge Protective Device

Surge Protective Device LY1-D20/4

1. Could be replaced for the module not need power cut.
2. Maximum current of endure the surge stroke 20kA(8/20 μ s).
3. Time of response<25ns.
4. The color of visible window shows operating status,green means normal,red means abnormal.

* LY1-D series Surge Protective Device SPD is suitable for TN-S, TN-C-S, TT, IT etc.power supply system of AC 50/60Hz, $\leq 380V$, 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 Protective Device. When the SPD fails in breakdown for over-heat and over-current, the failure release will help electric device separate from the power system and give the indication signal, green means normal, red means abnormal, it's also could be replaced for the module when has operating voltage.

Technical Parameters	Model	LY1-D			
Rated Operating Voltage $U_n(V\sim)$		220V	380V	220V	380V
Maximum Continuous Operating Voltage $U_c(V\sim)$		275V	385V	320V	385V
Voltage Protection Level $U_p(V\sim)kV$		≤ 0.7	≤ 1.0	≤ 1.2	≤ 1.5
Nominal Discharge Current $I_n(8/\mu 20\mu s)kA$		5		10	
Maximum Discharge Current $I_{max}(8/\mu 20\mu s)kA$		10		20	
Response Time ns	<25				
Test Standard	GB18802. IEC61643-1				
L/N(mm ²) The Cross Section of L/N Line	6				
E(mm ²) The Cross Section of PE Line	16				
Fuse or Switch(A)		10A. 16A		16A. 25A	
Operating Environment°C	-40°C~+85°C				
Relative Humidity(25°C)	$\leq 95\%$				
Installation	Standard Rail 35mm				
Material of Outer Covering	Fiber glass reinforced plastic				

