



LY1 series surge protection device



LY1-(D)1 series surge protection device (SPD) is suitable for TN-S, TN-C-S, TT, IT etc. power supply system of AC50/60Hz, ≤380V, installed on the joint of LPZ1 or LPZ2 and LPZ3, designed according to IEC61463-1, GB18802.1, installed in 35mm DIN 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.

Product features:

1. Module can be replaced no need power off.
2. Maximum current of endure the lightning stroke 20kA(8/20μs)
3. Time of response <25ns.
4. Window color shows operating status, green=normal, red=abnormal.

Installation and usage:

LY1-D: on the joint of LPZ1 or LPZ2 and LPZ3 zone in front of control equipment or near the control equipment.

LY1-C: on the joint of LPZOB or LPZ1 and LPZ2 zone in distribution box

LY1-B: on the joint of LPZOA or LPZOB and LPZ1 zone in main power distribution box

Model	LY1-D				LY1-C						LY1-B								
	220V	380V	220V	380V	220V	380V	220V	380V	220V	380V	220V	380V	220V	380V	220V	380V			
Rated operating voltage Un(V)	220V	380V	220V	380V	220V	380V	220V	380V	220V	380V	220V	380V	220V	380V	220V	380V			
Maximum continuous operating voltage Uc(V)	275V	385V	320V	385V	275V	385V	420V	275V	385V	420V	275V	385V	420V	275V	385V	420V			
Voltage protection level up(KV)	≤0.7	≤1.0	≤1.2	≤1.5	≤1.0	≤1.5	≤1.8	≤1.2	≤1.8	≤2.0	≤1.8	≤2.0	≤2.2	≤2.0	≤2.2	≤2.4	≤2.2	≤2.5	≤2.5
Nominal discharge current In(8/20μs)KA	5kA		10kA		15kA			20kA			30kA		40kA		60kA				
Maximum discharge current Imax(8/20μs)KA	10kA		20kA		30kA			40kA			60kA		80kA		100kA				
Response times(ns)	<25																		
Test standard	GB18802.1 IEC61643-1																		
The cross section of L/N line	2.5						6												
The cross section of PE line	6						10												
Fuse of switch(A)	10A, 16A		16A, 25A		25A, 32A			32A			63A, 32A		63A		63A, 100A				
Operating environment°C	-40°C~85°C																		
Relative humidity(25°C)	≤95%																		
Installation	Standard rail 35mm																		
Material of outer covering	Fiber glass reinforced plastic																		

Dimension:

