



Application

SUPI(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 (8/20us).
- Time of response <25ns;
- The color of visible window shows operating status, green means normal, red means abnormal.

Product Features

Technical Parameters

| Protection Level B,C,D Grade | D.C.B | | | | | |
|--|---|------|------|------|------|------|
| Rated Operating Voltage Un (V~) | 380V/220V | | | | | |
| Maximum Continuous Operating Voltage Un (V~) | 275V | 275V | 385V | 385V | 385V | 420V |
| Voltage Protection Level Up (V~) kV | ≤2.0 | ≤2.0 | ≤2.0 | ≤2.0 | ≤2.2 | ≤2.8 |
| Nominal Discharge Current In μs kA | 10 | 20 | 20 | 30 | 40 | 60 |
| Maximum Discharge Current Imax μs kA | 20 | 40 | 40 | 60 | 80 | 100 |
| Response Time (ns) | <25 | | | | | |
| Test Standard | IEC61643.1, GB18802.1 | | | | | |
| Operating Environment(centigrade) | -40°C ~+85°C | | | | | |
| 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 | | | | | |

Dismantling

