



Specification

Subject : Rudolf's surge protective devices

1. Conform, manufacture and tested to CE low voltage (73/23/EEC), DIN VDE 0675-6 : 1989-11, DIN VDE 0675-6/A1:1996-03, DIN VDE 0110-1:1997-04, EMC (89/336/EEC), UL 1449-2, IEC 61643-1, AS1768:1991. BS6651:1992 & CP33
2. To protect against lightning and its destructive consequences and downtime caused by random logic failure and increase operative life of electronics;
3. Voltage limiting type of surge protective devices using metal oxide varistor to have a high impedance when no surge is present and in the present of increased surge current and voltage, the impedance level will reduce continuously;
4. Surge Protective device compiled to the single mode protection for the 1P version, 3 mode protection for the 1P+N version and 7 mode protection for 3P+N version so that there will be a surge protective device connected line-to-line or line-to-earth or line-to-neutral or neutral-to-earth and any combination thereof;
5. Having a choice for maximum discharge current I_{max} at 20kA, 45kA and 80kA with a 8/20 waveform testing to class II operating duty test;
6. Having a maximum let through voltage U_p of 960V at I_n for devices operating at $U_n=230V$ and
7. Having a choice of operating voltage at 230V or 400V with maximum continuous voltage U_c at 270V or 480V respectively;
8. Having a response time of less than 5nsec;
9. Local flag display present in all unit with a possible choice of remote signal via auxiliary contact;
10. 1P version is available as plug-in type with a removable cartridges and the 1P+N and 3P+N version is available in mono block type;
11. 1P version is housed in 18mm housing, 1P+N version is housed in 36mm housing and 3P+N version is housed in 90mm housing;
12. Operating temperature of -30 deg C to $+75$ deg C;
13. Mounting on din rail

Type 4 information generated by Helen Too 8-8-2001