

TECHNICAL & GUARANTEED - PARTICULARS.

12 KV 5 KA Distribution Class L.A.

Name of manufacturer:

| | | |
|-----|---|---------------------|
| 1. | Type | |
| 2. | Model | |
| 3. | No.of Units | |
| 4. | Rated voltage (KV) RMS. | 12 |
| 5. | Nominal Discharge current (K Amps.) | 5 |
| 6. | Discharge Class | Distribution Class. |
| 7. | Reference Current (MA) | 1 |
| 8. | Reference voltate (KV) | > rated voltage |
| 9. | Current at MCOV. | |
| | i) Resistive current IR (Micro Amps) | < 0.3 MA. |
| | ii)Capacitive current IC (- do-) | About 1.0 MA |
| 10. | Protective ratio. | 1.78 |
| 11. | Maximum residual voltage for discharge Current of 8/ 20 micro sec. Wave at. | |
| | i) 0.5 time the nominal discharge current(KV Peak) | 40 |
| | ii) 1 time -do- (KV rms). | 42 |
| | iii)2 times -do- (KV rms) | 48 |
| 12. | Maximum continous operative voltage (KV rms) | 12 |
| 13. | High Current impulse withstand(KA) | 65 |
| 14. | Energy dissipation capability (KJ/KV) | |
| 15. | Insulation withstand. | |
| | i) Lightning Impulse (KV Peak) | 75 |
| | ii)P.F. Dry/ Wet (KV rms) | 28 |
| 16. | Temporary over voltage withstand Capability (KV Peak) | |
| | i) At 0.1 second | 19 |
| | ii) At 2 Seconds | 17.5 |
| | iii) At 10 Seconds | 15.5 |
| | iv)At 100 Seconds | 14 |
| 17. | Maximum radio interference voltage (KV rms) / partial discharge. | PD=Less than 50 PC. |
| 18. | Maximum step current impulse Residential voltage at nominal Discharge current of 1 micro sec.front time(KV Peak). | 40 |
| 19. | Maximum switching impulse residual Voltage at 50 x 100 micro sec.wave at 500 Amp. (KV Peak) | |
| 20. | Height of complete unit (mm) | 250 + <u>15</u> |
| 21. | Maximum recommended spacing between Arrestor centre to centre(mm) | 450 |
| 22. | Clearance required from ground equipment To various heights of arrestor unit(mm) | |
| 23. | Earthign arrangement. | To be provided |
| 24. | Mounting falange dimensional details (mm) | As per your sketch. |
| 25. | Total crrepage distance (mm) | 360 |
| 26. | Weight of complete unit(kg.) | 3.2 (Approx.) |