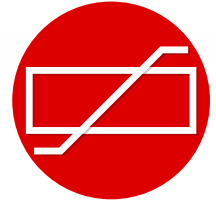


Transmission Line Arrester

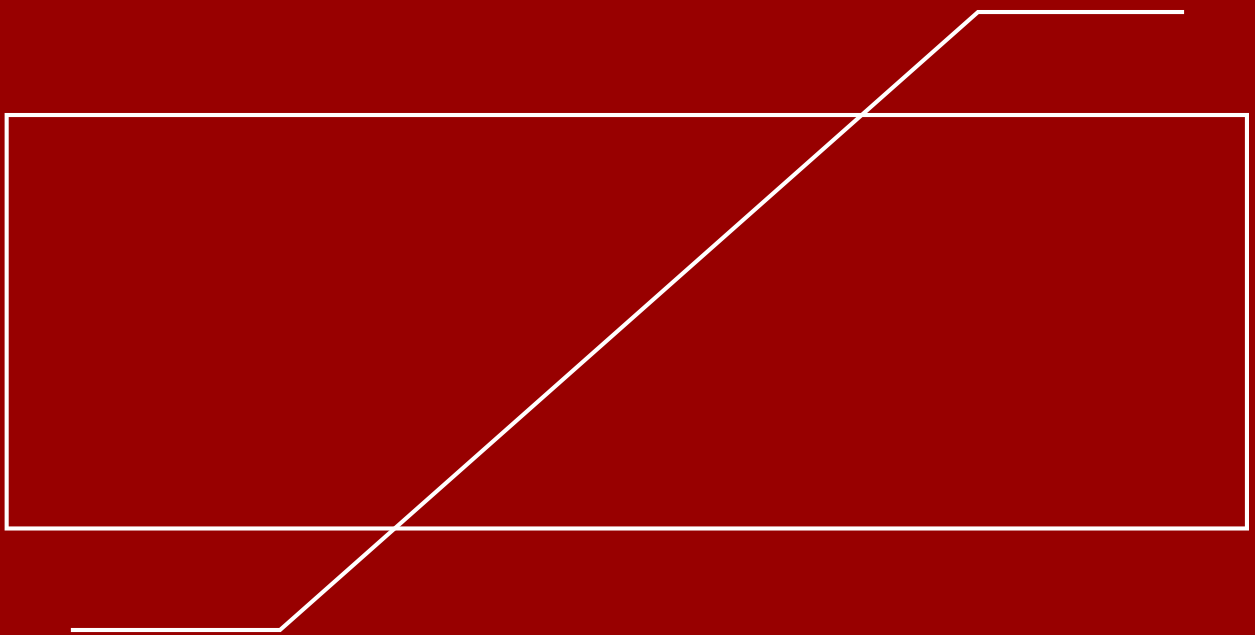


**OBLUM**  
50 YEARS OF EXCELLENCE

# Pioneering Cutting-Edge Solutions for Tomorrow



Powering Progress for Over Half a Century: We've been at the forefront of electrical polymer surge arresters manufacturing, continuously innovating for 50+ years, delivering solutions that energize the world.





# Global Presence

Oblum business operations are present in multiple geographies across the globe. We are committed to our vision of driving positive change in the environment and in the lives of people.



# Transmission Line Arrester (420kv)

| S No | Description                                          | 420kV 10kA SL (TLA)              |
|------|------------------------------------------------------|----------------------------------|
|      | <b>Model</b>                                         | <b>PBC</b>                       |
| 1    | Highest system voltage kV rms                        | 420                              |
| 2    | Nominal system voltage kVrms                         | 400                              |
| 3    | Ur - Rated voltage kVrms                             | 420                              |
| 4    | Uc - MCOV(kVrms)                                     | 330                              |
| 5    | In - NDC (8/20µs) kA                                 | 10                               |
| 6    | Arrester classification                              | Station Low duty                 |
| 7    | Qrs (IEC 99-4 Ed.3) in coulomb                       | 1                                |
| 8    | Wth (IEC 99-4 Ed.3) in kJ/kV                         | 4                                |
| 9    | Qth (IEC 99-4 Ed.3) in coulomb                       |                                  |
| 10   | Max RDV kVp                                          |                                  |
|      | a) 5kA                                               | 1050                             |
|      | b) 10kA                                              | 1120                             |
|      | c) 20kA                                              | 1275                             |
| 11   | Max. Switch. Imp. R.V.(kVp)                          |                                  |
|      | a) 500A                                              |                                  |
|      | b) 1000A                                             |                                  |
|      | c) 2000A                                             | 900                              |
| 12   | Max. Steep Current impulse RDV(kVp) at NDC           | 1275                             |
| 13   | High current impulse withstand value (4/10 µs) kA    | 100                              |
| 14   | TOV (kVp)                                            |                                  |
|      | i. 0.1                                               | 742                              |
|      | ii. 1.0Sec                                           | 712                              |
|      | iii. 10.0Sec                                         | 682                              |
|      | iv. 100.0Sec                                         | 653                              |
| 15   | Short circuit current kA                             | 40                               |
| 16   | Insulation Withstand                                 |                                  |
|      | a) Lightning Impulse (kVp)                           | As per IEC 60099-4 2014          |
|      | b) Power frequency kVrms                             | As per IEC 60099-4 2014          |
|      | c) Switching Imp (Wet)(kVp)                          | NA                               |
| 17   | Rated frequency (Hz)                                 | 48 to 62                         |
| 18   | Leakage current                                      |                                  |
|      | a. IR at MCOV in µA                                  | Less than 400                    |
|      | b. IC at MCOV in mA                                  | About 1.2                        |
| 19   | Reference voltage in Volt at Reference current in mA | > 420kV at 2mA                   |
| 20   | Partial discharge P.D                                | 10pC                             |
| 21   | Creepage distance-mm (min) Phase to Phase            | 25mm/kV /31mm/kV (as applicable) |
| 22   | Max. Cantilever strength of arrester Kg              | 150                              |

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