

Screened surge arresters

CSAP-B

Application

Rear parallel surge arrester CSAP-B can be connected with screened separable cable connector CSE-B or parallel screened separable connector CSEP-B. Protects electrical equipment against overvoltage and transients.

Standard

- GB/T12706.4
- IEC 60099.4

Features

- CSAP-B includes a premolded body manufactured in three layers: a conductive inner layer, an insulation layer and a conductive outer layer. They are vulcanized together for the best possible interface between the layers. The active part of surge arrester is made of metal oxide.
- When installing CSAP-B on the CSE-B 630, the plug and protective cap must be moved from CSE-B to the surge arrester CSAP-B
- Delivered in 3-phase kits complete with connection rod, earth braid and also an integrated earthing wire



12 kV Screened rear surge arrester selection guide

| Type | Description | Highest voltage of system (kV) | Rated voltage U_r (kV) | Lightning impulse residual voltage at 5 kA U_p (kV) |
|-----------------|-------------|--------------------------------|--------------------------|---|
| CSAP-B630-26/66 | Rear SA | 24 | 26 | 66 |
| CSAP-B630-34/85 | Rear SA | 24 | 34 | 85 |

Brief technical specifications

| Designation | CSAP-B630-26/66 | CSAP-B630-34/85 |
|--|-----------------|-----------------|
| Rated voltage (rms) U_r | 26 kV | 34 kV |
| Continuous operating voltage (rms) U_c | 20.8 kV | 27.2 kV |
| Reference voltage U_{1mA} at 1 mA DC | ≥ 37 kV | ≥ 48 kV |
| Leak current at $0.75 U_{1mA}$ not greater than | 20 μ A | 20 μ A |
| Nominal discharge current (peak value) | 5 kA | 5 kA |
| Residual voltage under steep impulse current (peak value) not greater than | 76 kV | 95 kV |
| Residual voltage under lightning impulse current (peak value) not greater than | 66 kV | 85 kV |
| Residual voltage under switching impulse current (peak value) not greater than | 56 kV | 75 kV |
| 2 ms rectangular current impulse withstand test | 150 A | 150 A |
| High current impulse 4 / 10 μ s | 65 kA | 65 kA |