

保安裝置動作原理 / Operation of Internal Protective Device

當電容器內部故障或壽命即將終了前，會產生一連串自復性崩潰導致電容器元件內部壓力增大，為避免造成電容器外殼爆裂，每一電容器元件內部結構設計有壓力拉斷型電源切斷機構(保安裝置)。此保安裝置是藉由內壓增加造成上蓋鼓起使弱點處理之銅箔被拉斷與電源隔離，防止二次災害發生。

In the event of internal failure or aging at the end of the capacitor's operational life, an increasing number of self-healing breakdowns may cause rising pressure inside the capacitor element. To prevent it from bursting, each capacitor element is designed with internal pressure sensitive interrupter (Protective Device). With rising pressure the cover will bulge to disconnect copper taps at weak points from the cover, and the current path is interrupted irreversibly to avoid the relative disaster.

