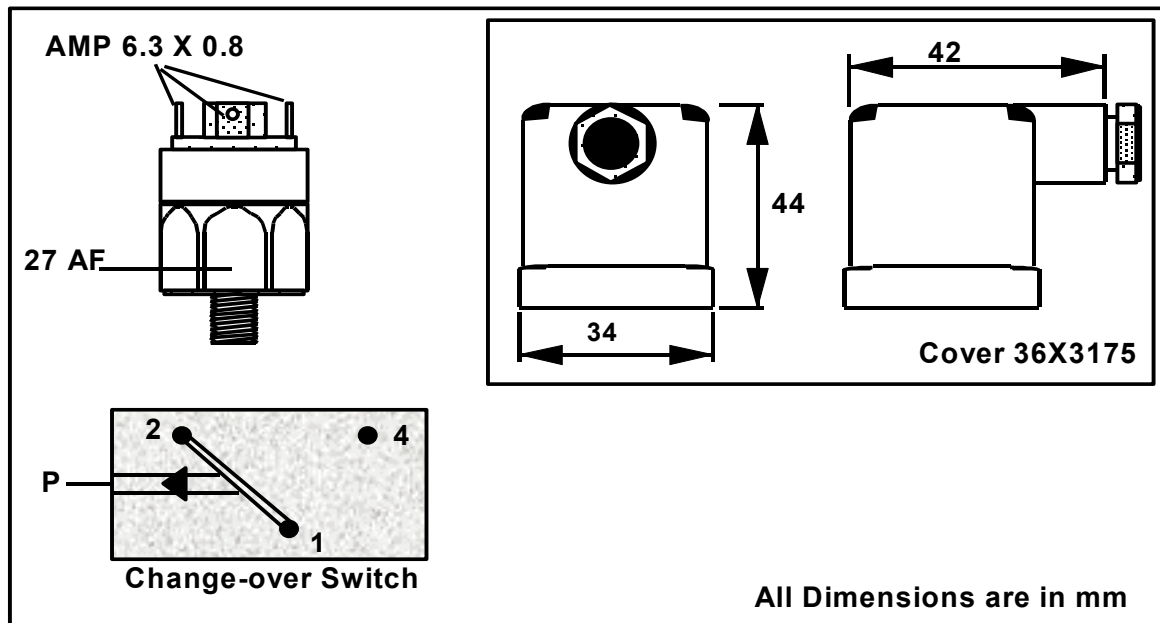


# High Voltage Power Capacitor

## Capacitor Unit Pressure Switch



### Description

ABB capacitor units can be fitted with a pressure switch to provide a simple but effective means of protection against excessive pressures within the container.

Although modern capacitor units are considered exceptionally reliable, it is important for the occasions when there is dielectric breakdown that the capacitor is de-energised as quickly as possible from the supply network.

Dielectric breakdown creates a short circuit between the aluminium foil electrodes. This will eventually lead to other dielectric breakdowns and an increase in pressure within the unit. For large capacitor banks, it is possible to employ an unbalance detection circuit but for small capacitor banks, this becomes impractical.

The pressure switch is set to operate when the pressure inside the unit reaches an unacceptable level. It is supplied with changeover contacts, which should be wired in to the switch trip circuit.

Optional rubber and plastic covers for the pressure switch provide an IP55 protection rating.

### Technical Data

Contact rating	10A, 240Vac
Temp. rating	-30 to +120°C
Mechanical life	10 <sup>6</sup> operations @ 50 bar
Pressure setting	1 bar

