

### Vibration Test

#### Screw Terminals

To IEC 60068-1:

Frequency range 10 Hz / 55 Hz, displacement amplitude 0.75 mm, acceleration max 10 g, duration 3 x 2h.

Capacitor mounted by its body which is rigidly clamped to the work surface.

#### Solder pins

To IEC 60068-2-6, test Fc:

Frequency range 10 Hz / 55 Hz, displacement amplitude 0.35 mm, acceleration max 5 g, duration 3 x 2 h.

Capacitor mounted by its body which is rigidly clamped to the work surface.

#### Sealing Test

The capacitors shall be tested for seal tightness in accordance with IEC 68-2-17.

### Insulation Strength

-Insulation resistance @100V, 60°C between terminals and mounting hardware >100 MΩ.

-Dielectric strength of the sleeve >2500Vdc.

### Self-recharging ( Dielectric Absorption)

It is important to take note that Aluminium Electrolytic Capacitors undergo to the phenomenon known as self-recharging or dielectric absorption.

It is a phenomenon that is impossible to predict. A capacitor, which has been charged and then completely discharged, may appear to re-charge itself, if left open circuit. Itelcond has observed a maximum of 30 Volts across the terminals but sometimes the value could be higher.

It is therefore suggested to discharge the capacitors before touching or connecting the terminals.

