

## ■ Technical specifications

### Resin filled standard duty capacitors

- Standards : IS 13340-1993, IS 13341-1992, IEC-60831-1&2
- Rated Voltage : 440 V & 525 V
- Frequency : 50/60 Hz
- Power range : 1 to 30 kVAr
- Losses(Dielectrical) : < 0.20 W/kVAr
- Losses (Total) : < 0.45 W/kVAr
- Peak inrush current :  $200 \cdot I_n$
- Over voltage :  $U_N + 10\%$  for 8 Hrs in 24 Hrs
- Over current :  $1.3 \cdot I_n$
- Mean life expectancy : upto 1,00,000 h at temp level D
- Capacitance tolerance :  $+10\%$
- Voltage test between terminals :  $1.75 \cdot U_N$ , AC, 2S as per IS
- Voltage test between earth & terminals : 3.6 KV, AC, 2S as per IS
- Discharge resistors : Fitted: standard discharge time less than at residual voltage of 50 V, 60 second as per IS
- Safety : Self healing + pressure sensitive disconnecter + discharge device
- Protection : IP20
- Casing : Aluminium Can
- Dielectric : Metallized Polypropylene film
- Impregnation : NCPB  
Soft polyurethane Resin
- Ambient temperature :  $-10^\circ\text{C} / + 55^\circ\text{C}$  (Class D)
- Humidity : 95 %
- Altitude : 4000 m above sea level
- Mounting : Indoor, vertical position
- Fixing and earthing : Threaded M12 stud at bottom
- Switching life : Maximum 5000 per year

### Resin filled heavy duty capacitors

- Standards : IS 13340-1993, IS 13341-1992, IEC 60831-1/-2, IEC-60831-1&2
- Rated Voltage : 440 V
- Frequency : 50/60 Hz
- Power range : 1 to 30 kVAr
- Losses(Dielectrical) : < 0.20 W/ kVAr
- Losses (Total) : < 0.5 W/ kVAr
- Peak inrush current :  $250 \cdot I_n$
- Over voltage :  $U_N + 10\%$  for 8 Hrs in 24 Hrs
- Over current :  $1.5$  to  $1.8 \cdot I_n$
- Mean life expectancy : upto 1,15,000 h at temp level D
- Capacitance tolerance :  $+10\%$
- Voltage test between terminals :  $1.75 \cdot U_N$ , AC, 2S as per IS
- Voltage test between earth & terminals : 3.6 KV, AC, 2S as per IS
- Discharge resistors : Fitted: standard discharge time less than at residual voltage of 50 V, 60 second as per IS
- Safety : Self healing + pressure sensitive disconnecter + discharge device
- Protection : IP20
- Casing : Aluminium Can
- Dielectric : Metallized Polypropylene film
- Impregnation : NCPB  
Soft polyurethane Resin
- Ambient temperature :  $-10^\circ\text{C} / + 55^\circ\text{C}$  (Class D)
- Humidity : 95 %
- Altitude : 4000 m above sea level
- Mounting : Indoor, vertical position
- Fixing and earthing : Threaded M12 stud at bottom
- Switching life : Maximum 6000 per year