

Cylindrical Type Capacitor

Self-Healing Capacitors fitted in a rectangular sheet steel plate enclosure having discharge resistors connected to the terminals, which are protected by the cover.

They are suitable for the individual compensation of inductive loads and in the construction of small Automatic Capacitor Banks.

Application

- Fixed PF. Correction
- Automatic P.F. Correction
- Filter Application System
- Dynamic PFC
- Tuned and Detuned Harmonic Filter

Specification:

- Self Healing Type, IS 13340/13341/IEC : 60831-1

Voltage Range:

- 5 to 25 kVAr For 440V/525V/650 V Ac, 50Hz, 3Ph

Features:

- Metalized Polypropylene (MPP) Film Design
- Heavy Edge Metalized Multilayer MPP
- CRCA enclosure Cylindrical Casing Design
- Jelly/Oil impregnation given cooling effect
- Explosion Proof Design
- Low losses due to advanced winding and zinc spray equipments.
- Working Expectancy life 150,000 hours
- Backed by German Technology

Applications: Inductive Loads, Steel Plants, Textiles, Cement Industries, Building Complexes, APFC Panels, Harmonic Filter Panels etc. Cement Industries



Technical Details:

Three Phase 50Hz Cylindrical Type Capacitor

Standard	Self healing Type ,IS 13340/13341/IEC : 60831-1
Capacitance tolerance	± 5 %
Out put kVAr	5 to 25 kVAr
Rated Current	65.5 Amp 6.2 A to 32.75 Amp
Rated Voltage	415 / 440 Vac(other ratings on Request)
Frequency	50Hz
Temperature Range-Ambient temp category	-25/D
Dielectric Losses	<0.2 W/kVAr (Without Discharge Resistors)
Total Losses	<0.50W/kVAr (inclusive discharge resitors)
Maximum Over Voltage in accordance with above standards	Ucn+10% (upto 8 hrs daily) Ucn+15% (upto 30 mints daily), Ucn+20% (upto 5 mints), Ucn+30% (upto 1mint)
Maximum over current	1.5 X IN
Peak Inrush Current	250 X In
Tolerance on Capacitance	-5/+10%
Max THD in Voltage	Voltage should not excceds above over voltage value
Max THD IN Current	Cureent should not excceds above over current value
Discharge resistance	External 1 minutes,50 v/ 3 minutes 75 V
Connection	Delta
Casing	Cylindrical (Aluminium Can Type)
Disconnection System	All Phase - Over pressure Disconnecter Fuses
Dielectric	MPP Gas filled with Heavy Edge metalized multilayer MPP
Voltage test between Terminals	2.15 x Ucn, AC, 2 seconds
Voltage test between terminals to Case	3000VAC,2 seconds
Inrush Current	200 X IN
Protection	IP20
Permissible relative Humidity	Max 95%
Expected Life	150,000 Operating Hours
Altitude	2000 m above sea level
Impregnation	Dry/Gas/Oil filled
Enclosure	IP00, On request IP54
Cooling	Natural Air Cooled Casing temp max 60 c permitted on top of the Can.
Saftey Features	Over Pressure Sensitive 3 Phase disconnecter.
Mounting Position	Random
Mounting & Earthing	M12 X 16 mm threaded stud at bottom of the case with nut & Washer