

MPP Oil / Dry Capacitor

[MPP Capacitor]



Self Healing Capacitors with low losses Metalized Polypropylene Dielectric without liquid impregnates. They have an over pressure disconnection system that discounts the Capacitor in case of any internal failure.

Specification:

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

Voltage Range:

- 5 To 25 kVAR For 415/440V/525V/650 V Ac, 50Hz, 3Ph

Application

- Fixed PF. Correction
- Automatic P.F. Correction
- Harmonic Filter System
- Dynamic PFC systems

Features:

- Metalized Polypropylene (MPP) Film Design.
- Heavy Edge Metallised Multi layer MPP Film.
- Box Type.
- Pressure Disconnecter to Internal Elements
- Better heat dissipation
- Explosion proof design (Over pressure Disconnecter)
- Low losses due to advanced winding and zinc spray equipments.
- Weather Proof
- Powder Coating Design
- Jelly impregnate for proper cooling
- Low weight and compact volume
- Working Expectancy Life 150,000 hrs

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

Technical Details:

Three Phase 50Hz Double Dielectric Capacitor

Standard	Self healing Type ,IS 13340/13341/IEC : 60831-1
Capacitance tolerance	± 5 % As per Standards
Out put kVAr	5 to 25 kVAr
Rated Current	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 8hrs daily) Ucn+15%(upto 30mints daily), Ucn+20%(upto5mints), 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
Connection	Delta
Casing	CRCA Square BOX Casing
Disconnection System	Pressure Disconnecter to interal elements.
Dielectric	Dry / Oil Field Type
Voltage test between Terminals	2.15xUcn, AC, 2 seconds
Voltage test between terminals to Case	3000VAC,2 seconds
Protection	IP20
Permissible relative Humidity	Max 95%
Expected Life	20000/50000 operating hours
Altitude	2000 m above sea level
Impregnation	Oil Impregnant
Enclosure	Indoor Mounting
Mounting Position	Vertical
Mounting & Earthing	Vertical or Wall mounting