

NARACO CYLINDRICAL-TYPE POWER CAPCITOR - 700 SERIES

Three-phase Cylindrical - Type Power Capacitor is used to correct Power Factor For Motors, Low Voltage Transformer and inside Industrial Switchboard. It is sometimes used with blocking reactors with harmonics presence.

TECHNICAL SPECIFICATION

		700 Series
Construction		
Type	Dry, Self-Healing	
Casing	Cylindrical Extruded Aluminium Can	
Dielectric	Bi-Axially Oriented Polypropylene	
Plate	with Zinc-Aluminium Alloy	
Encapsulation/Impregnation	Polyurethane Resin Oven Cured Flame Retardant	
Electrical Performance		
Rated Voltage (UN)	440V	
Frequency (fn)	50 / 60 Hz	
Connection	Internal Delta	
Temperature Category	D / -25°C to +55°C	
Relative Humidity	≤ 95%	
Capacitance Tolerance	-5% / 10%	
Dielectric Loss	< 0.2W / KVAR	
Total Losses (Including Discharge Resistor)	< 0.5W / KVAR	
Testing Voltage Between Terminals	- Routine Test	2.15 Un For 2s
	- Type Test	2.15 Un For 10s
Testing Voltage Between Terminals and Container / Time	- Routine Test	6KV for 10s
	- Type Test	6KV for 1 min
Maximum Permissible Current	1.43 IN	
Lighting Impulse Test Between Terminal-Container	15KV (Peak)	
Maximum Inrush Current	200 IN	
Capacitor Discharge Time	1 min to 50V	
Statistical Life Expectancy	> 150,000 Operating Hours	
Standards	IEC 60831-1 / 2	
Installation		
Terminal Arrangements	Terminal Block	
Screw Torque	M5 : ≤ 2 Nm	
	M12 : ≤ 15 Nm	
Minimum Installation Clearance	50mm Between Top of Capacitor to Enclosure	
	50mm Between Units	
Service Condition		
Residual voltage at energization	Not exceed 10% rated voltage	
Altitude	Not exceeding 2000 m	
Ambient temperature : Highest mean over any period of	24H : 45°C, 1 year : 35°C	
Maximum Permissible Voltage	1.00 UN - Continuous	
	1.10 UN - 8 H in every 24 H	
	1.15 UN - 30 min in every 24 H	
	1.20 UN - 5 min	
	1.30 UN - 1 min	
Safety Features		
Safety Device	Pressure Activated Series Interrupter	
IP Rating	IP20	

