

DUCA POWER SUPER HEAVY DUTY CAPACITORS

Cylindrical 3 Phase Super Heavy Series



Description

The capacitors making up the DUCAPOWER Super Heavy Duty Series are used in static & automatic power factor correction equipment. The series has three capacitor elements wired internally in a delta connection.

The capacitors making up the new series are obtained using three elements wound with the new PPMh and positioned inside metal case. The use of impregnation technology and positioning of the individual elements inside the case assure extremely high capacitor performance in terms of heat dissipation, as well as ensuring a long life and excellent ground insulation.

This series is used in practically all Neptune Thyristor Switched Power Factor Correction Systems which rely on three-phase capacitors. In fact, the above-described characteristics make these capacitors especially suitable for continuous duty under highly demanding conditions in harmonic rich environments.

Technical Specifications

#	Parameters
Standard Voltage (Un)	415/440/480/525/690V
Rated Frequency	50 Hz (60 Hz on request)
Capacitance Tolerance	-5 + 10%
Dielectric losses	=
Altitude	=
Duty	Continuous
Discharge Resistors	External (50V after 1 Min.)
Protection Rating	IP20 Indoor Mounting
Terminals	Screw terminals
A.C. test voltage between	2, 15 Un x 2 s terminals
A.C. test voltage between	3 kV x 10 s terminals & case)
Temperature class	-25 to 70/D
Max. Inrush current	200 In
Max. Overload In	4 x In
Life expectancy	>1,70,000 hrs/D
Reference standard	IEC 831-1/2

Dimension:-

Qn (KVar)	In (A)	Cn (uF)	Dia (mm)	Height (mm)
10	12, 83	3x55	90 ±1	300±1
12,5	16, 04	3x69	100±1	300±1
25	32,08	3x137	115±1	390±2