

C87.0 Series CAPACITORS FOR MOTOR APPLICATIONS

Typical applications: the capacitor is used in series to the auxiliary winding of a single-phase motor, allowing it to start and increase its torque while working.
 Main application fields: low power electric motors, compressors.

Vendor part number: **C870ZF35500AA0J**

Capacitance:	50µF	Rated current:	7.38 Arms
Capacitance tolerance:	± 5 %	Max. dV/dt:	15 V/µs
Class of operation:	CLASS B-10.000 hours, 420Vac/25/085/21 CLASS C-3.000 hours, 470Vac/25/085/21	Can diameter:	45 mm.
		Can height:	133 mm.

General technical data

Reference standards:	EN 60252-1: 2011/A1:2013	Filling Resin:	Semi-liquid Polyurethane
Approvals:	EN 60252-1: VDE UL810 R/C - Vmax 500V -10000AFC -25/70°C	Plates:	Self-healing metal layer
Type of Service:	Continuous	Test voltage terminal-terminal:	2 Vn for 2 s
Operating Temperature:	- 25 / +85 °C	Test voltage terminal-can:	2.000 Volt for 2 s
Storage Temperature:	- 25 / +85 °C	Total Harmonic Distortion:	Up to 10%
Rated voltage Vn (AC):	470 Vac	Fire Load:	40 MJ/kg
Rated frequency (Hz):	50-60Hz	Leakage-Clearance in air between parts under voltage	Min. 5mm
Voltage rise/fall time(max):	15 V / µsec	Leakage-Clearance in air between parts under voltage and accessible metal parts:	Min. 6mm
Maximum Permissible Voltage:	1.10 x Rated Voltage	Vibration test:	IEC 60068-2-6
Maximum Permissible Current:	1.30 x Rated Current	Deck:	Plastic deck with self-extinguishing features V0 according to UL94
Dissipation factor, TgD:	46 x 10E-4 at 20°C, 1k Hz	Terminals:	GWT/GWFI/GWIT compliant to IEC60335-1 ed.4 par.30 6.3 x 0.8 mm. Fast-on terminals
Safety class:	S2	Nut:	M8 Zn coated steel UNI5589 - DIN 936
Maximum Altitude:	No power derating applicable up to an altitude of 2200 meters. At higher altitudes than 2200 meters, please contact us for the Power derating	Washer:	ø 8.4 mm. Zn coated steel DIN 6798

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Data sheet edition

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