

C28.4 Series CAPACITORS FOR MOTOR APPLICATIONS

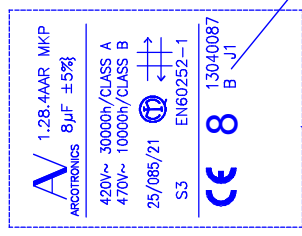
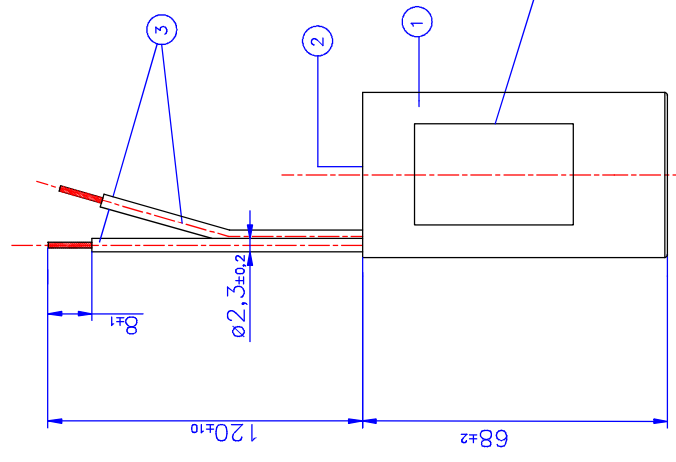
Typical applications: the capacitor is used in series to the auxiliary winding of a single-phase motor, allowing it to start and increase its torque while working.
 Main application fields: low power electric motors, compressors.

Vendor part number: [C284AAR4800A02J](#)

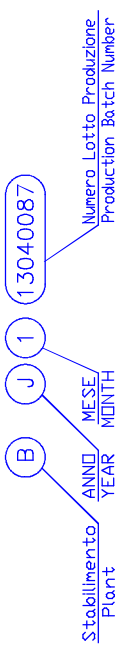
Capacitance:	8.0 μ F	Rated current:	1.18 Arms
Capacitance tolerance:	$\pm 5\%$	Max. dV/dt:	20 V/ μ s
Class of operation:	CLASS A-30.000 hours, 420Vac/25/085/21 CLASS B-10.000 hours, 470Vac/25/085/21	Can diameter:	30 mm.
		Can height:	68 mm.

General technical data

Reference standards:	EN 60252-1; 2011/A1:2013	Filling Resin:	Epoxy
Approvals:	IMQ	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:	45 MJ/kg
Rated frequency (Hz):	50-60Hz	Leakage-Clearance in air between parts under voltage	Min. 5mm
Voltage rise/fall time(max):	20 V / μ sec	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	Termination:	H05V2-U Stiff Cable 0.75mm ² , white
Dissipation factor, TgD:	12 x 10E-4 at 20°C, 1 kHz	Can:	Polypropylene with self-extinguishing features V2 (UL94)
Safety class:	S3	Disk:	Polypropylene with self-extinguishing features V2 (UL94)
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	Cable Terminals:	Stripped
Mounting:	Any position	Nut:	No
Dielectric:	Polypropylene film	Washer:	No



ESEMPIO CODIFICA DATI DI IDENTIFICAZIONE NELLA TIMBRATURA
 EXAMPLE OF IDENTIFICATION DIGIT IN THE MARKING



3	CAVO H05V2-U BIANCO RIG. STAGN. SEZ.0.75mm2 H05V2-U SOLID TINNED CONDUCTOR CABLE COLOUR WHITE SECT.0.75mm2		
2	DISCHETTO PLASTICO AUTOEST. V2 COLORE BIANCO SELF-EXTINGUISHING V2 PLASTIC DECK COLOUR WHITE		
1	CUSTODIA IN PP AUTOEST. V2 COLORE BIANCO RAL 9001-9010 POLYPROPYLENE CAN SELF-EXTINGUISH V2 COLOUR WHITE RAL 9001-9010		
Pos.	MATERIALE		
Note	PROGETTISTA : N.Buchev		
	FEBG LIGHTING AND MOTOR CAPACITORS	SCALA INDICATION ONLY	
	KEMET		C284AAR4800A02J
	Q.I. CONDENSATORE SERIE C.28.4 OVERALL DIMENSIONS CAP. C.28.4 SERIES		

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Data sheet edition

The present data sheet replaces and supersedes any former one released by KEMET.

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