

C27.4 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: C274ACF4600WAOJ

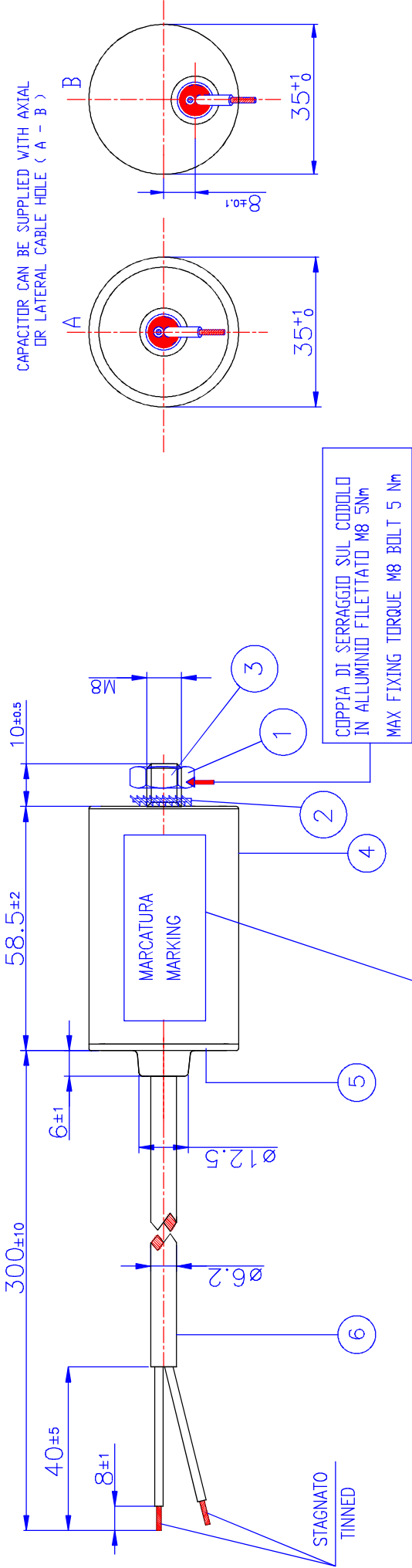
Capacitance:	6 µF	Rated current:	0.88 A
Capacitance tolerance:	± 5 %	Max. dV/dt:	20 V/µs
Class of operation:	CLASS A–30.000 hours, 420Vac/25/085/21	Can diameter:	35
	CLASS B–10.000 hours, 470Vac/25/085/21	Can height:	58.5

General technical data

Reference standards:	EN 60252–1: 2011/A1:2013	Filling Resin:	Polyurethane Resin in high humidity and aggressive environment
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	Vibration test:	IEC 60068–2–6
Voltage rise/fall time(max):	20 V / µsec	Termination:	H05V2V2–F cable 2 x.0.75mm2 colour black
Maximum Permissible Voltage:	1.10 x Rated Voltage	Can:	Polypropylene with self–extinguishing features V2 (UL94)
Maximum Permissible Current:	1.30 x Rated Current	Disk:	Polypropylene with self–extinguishing features V2 (UL94)
Dissipation factor, TgD:	20 x 10E–4 at 20°C, 50 Hz		
Safety class:	P0		
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	Nut:	M8 Zn coated steel UNI5589 – DIN 936
Mounting:	Any position	Washer:	ø 8.4 mm. Zn coated steel DIN 6798
Dielectric:	Polypropylene film		

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CON USCITA CAVO ASSIALE O LATERALE (A - B)

CAPACITOR CAN BE SUPPLIED WITH AXIAL
OR LATERAL CABLE HOLE (A - B)



AV

ARCOTRONICS

1.27.4CF MKP
8 μ F $\pm 5\%$
420V~ 30000h/class A
470V~ 10000h/class B
-25/85/21 SH
P0 EN60252-1

CE

6

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B F4

EXAMPLE OF IDENTIFICATION IN THE MARKING

EXAMPLE OF IDENTIFICATION DIGIT IN THE MARKING

LOTTO BATCH STABILIM. PLANT ANNO YEAR MESE MONTH

6	CAVO H05V2V2-F FRECCIE NON STAGNATE SEZ.0,75mm2 COLORE NERO H05V2V2-F CABLE 2 WIRES UNTINNED SECT. 0.75mm2 COLOUR BLACK
5	DISCHETTO IN PP 66 AUTESTIV2 COLORE BIANCO RAL 9001-9010 DECK SELF-EXTINGUISHING V2 PP COLOUR WHITE RAL 9001-9010
4	CUSTODIA IN PP AUTESTIV2 COLORE BIANCO RAL 9001-9010 POLYPROPYLENE CAN SELF-EXTINGUISHING V2 COLOUR WHITE RAL 9001-9010
3	CODDLO FILETTATO M8x10 IN ALLUMINIO ALUMINIUM BOLT M8x10
2	RONDINELLA 8.4 ACC. ZN DIN 6798 WASHER A 8.4 DIN 6798 WHITE STEEL ZN.
1	DADO M8 ACC. ZN UNI 5589 DIN 936 NUT M8 UNI 5589 DIN 936 WHITE STEEL ZN.
Pos.	MATERIALE
Note	
PROGETTISTA : T.Skerlev	
FEBG LIGHTING AND MOTOR CAPACITORS	
SCALA INDICATION ONLY	
Q.I. CONDENSATORE SERIE C.27.4 OVERALL DIMENSIONS CAP. C.27.4 SERIES	
C274ACF4600WA0J	

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Data sheet edition

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

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