

C27.6 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: **C276CAA5100AV0J**

Capacitance: 10 μ F
Capacitance tolerance: \pm 5 %
Class of operation: CLASS B-10.000 hours, 420Vac/25/085/21
CLASS C- 3.000 hours, 470Vac/25/085/21

Rated current: 1.47 A
Max. dV/dt: 15 V/ μ s
Can diameter: 35
Can height: 55

General technical data

Reference standards: EN 60252-1: 2011/A1:2013
Approvals: IMQ

Type of Service: Continuous

Operating Temperature: - 25 / +85 °C
Storage Temperature: - 25 / +85 °C

Rated voltage Vn (AC): 470 Vac

Rated frequency (Hz): 50-60Hz

Voltage rise/fall time(max): 15 V / μ sec

Maximum Permissible Voltage: 1.10 x Rated Voltage

Maximum Permissible Current: 1.30 x Rated Current

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

Mounting: Any position

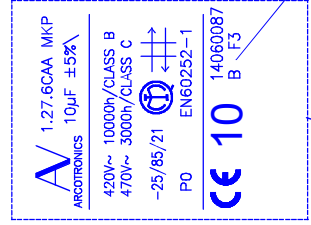
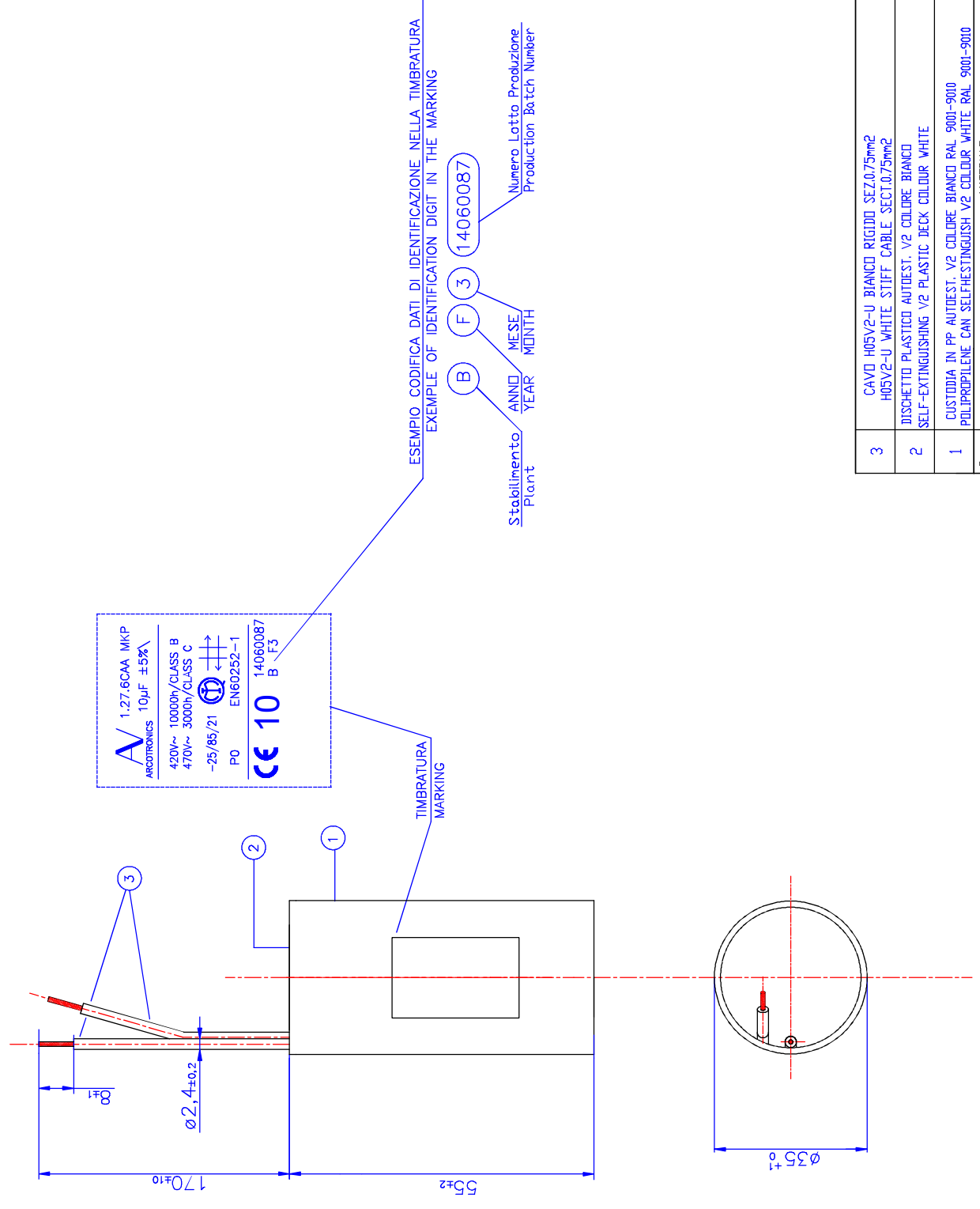
Dielectric: Polypropylene film

Filling Resin: Polyurethane Resin
Plates: Self-healing metal layer
Test voltage terminal-terminal: 2 Vn for 2 s
Test voltage terminal-can: 2.000 Volt for 2 s
Total Harmonic Distortion: Up to 10%
Fire Load: 45 MJ/kg
Vibration test: IEC 60068-2-6
Termination: H05V2V2-F Cable 2 x0.75mm2, Colour Black
Can: Polypropylene with self-extinguishing features V2 (UL94)
Disk: Polypropylene with self-extinguishing features V2 (UL94)
Cable Terminals: see drawing

1st EDITION - DATE 17/03/15
 REVISION - DATE --/--/--

FILE: C276CAA5100AV0J DS 150317

★ CRITICAL DIMENSIONS
 ◀ IMPORTANT DIMENSIONS



TIMBRATURA MARKING
 ESEMPIO CODIFICA DATI DI IDENTIFICAZIONE NELLA TIMBRATURA
 EXAMPLE OF IDENTIFICATION DIGIT IN THE MARKING
 Stabilimento Plant (B)
 ANNO YEAR (F)
 MESE MONTH (3)
 MONTH (14060087)
 Numero Lotto Produzione Production Batch Number

3	CAVO H05V2-U BIANCO RIGIDO SEZ.0.75mm ² H05V2-U WHITE STIFF CABLE SECT.0.75mm ²
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 POLIPROPILENE CAN SELF-EXTINGUISH V2 COLOUR WHITE RAL 9001-9010
Pos.	MATERIALE
Note	PROGETTISTA : S.Milosheva
FEBG LIGHTING AND MOTOR CAPACITORS	
KEMET	
SCALA INDICATION ONLY	
C276CAA5100AV0J	
Q.I. CONDENSATORE SERIE C.27.6 OVERALL DIMENSIONS CAP. C.27.6 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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