Motor Run Capacitor

Series/Type: B32322A
Ordering code: B32322A Series

Date: March 2010
Version: 2

Construction:

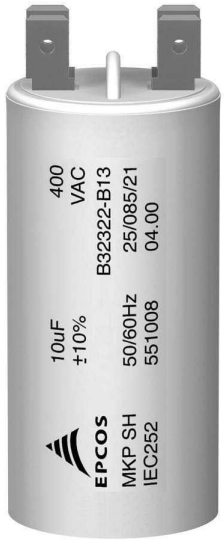
- Dielectric: polypropylene film
- Plastic case
- Polyurethane resin

Features

- Self-healing properties
- Low dissipation factor
- High insulation resistance

Typical applications

For general sine wave applications,
mainly as motor run capacitor



illustrative picture

Terminals

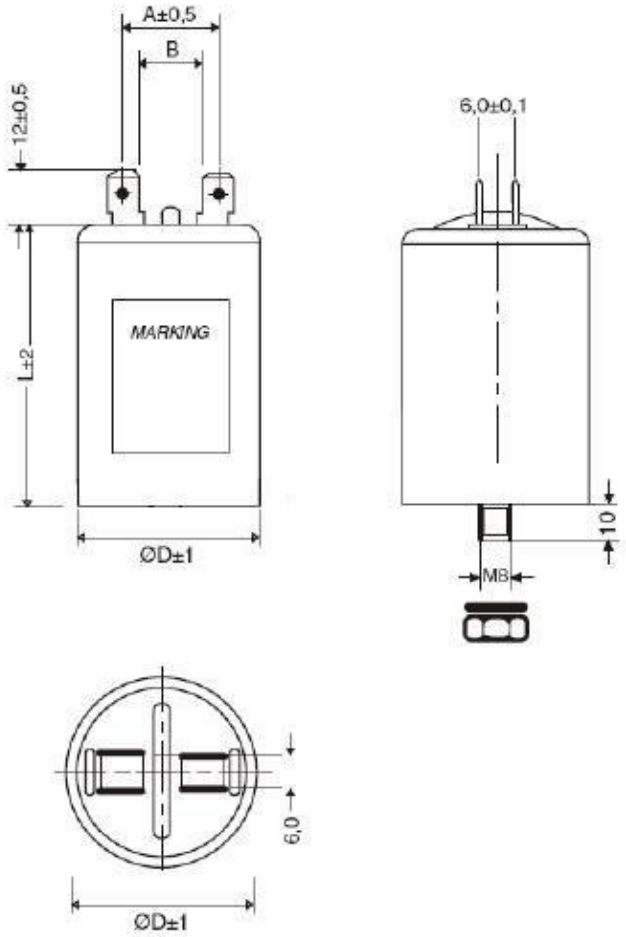
- Single / Double faston 6,3 x 0,8 mm

Technical data and Specifications		
Reference standards	IEC 60252-1	
Safety class according IEC 60252-1 2001-02	P0 (Unprotected)	
Life expectance according IEC 60252 2001	10.000 Hrs.(class B)	
Rated capacitance C_N	According to table	
Tolerance	± 5%	
Rated voltage U_N	According to table	
Rated frequency f_N	50...60Hz	
Maximum ratings		
Maximum permissible voltage U_{max}	1,1 x V_R	(V_R = Rated Voltage)
Maximum permissible current I_{max}	1,3 x I_R	(I_R = Rated Current)
Test data		
AC test voltage terminal to terminal U_{TT}	2 x V_R , 2s	
Insulation voltage terminals to case	2000 VAC, 2s	
Insulation resistance R_H or time constant τ at 20 °C	3000 s V_R	

Rel. Humidity ≤ 65 % (minimum value)	
Dissipation factor tanδ at 20 °C	≤ 1,0 x10^{-3} (120 Hz)
Maximum rate of voltage rise dv/dt_{max}	10 V/µs
Climatic data	
Climatic category	25/085/21 (according to IEC 60068-1)
Lower category T_{min}	-25 °C
Upper category T_{max}	+85 °C
Damp heat test t_{test}	21 days
Compatibility to RoHs	
Compliance to directive 2002/95/EC	RoHS compatible
Approval - VDE	
250 V/85 °C 10,000 h (class B) 3 µF…50 µF 400 V/85 °C: 10,000 h (class B) 3 µF... 50 µF	Approved (For 250Vac – VDE approval please refer to 400Vac case size) Approved
Date of manufacture	
Printed on the body of the capacitor:	mm.yy.G – mm: month of manufacture yy: year of manufacture G: plant Gravataí Brazil mm.dd.hh – mm: minute of manufacture dd: day of manufacture hh: hour of manufacture

Dimensional drawings

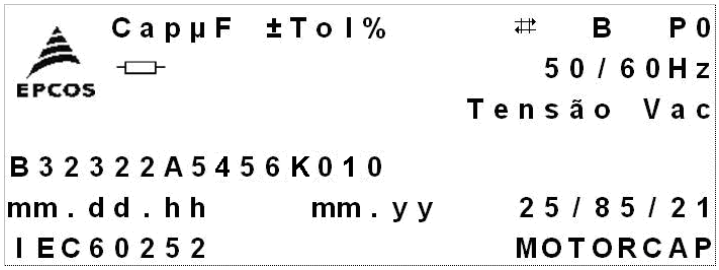
All dimension in mm.



*All dimension are in mm.

A = mín. 16,15 mm For D=25 mm, A= mín. 12,65mm.
B = mín. 9,5 mm For D = 25 mm, B = mín. 6,0 mm.
L – according to the table "Ordering codes

Marking



Ordering codes and packing units

U_n Vac	C_n µF	Max. Dimensions D x l (mm)	Ordering code	Packing unit (pcs.)
330	5	30 x 71	B32322-A3505-+0$0	112
	20	40 x 71	B32322-A3206-+0$0	60
	25	40 x 98	B32322-A3256-+0$0	60
	30	40 x 98	B32322-A3306-+0$0	60
400	40	45 x 96	B32322-A4406-+0$0	45
440	10	35 x 71	B32322-A5106-+0$0	84
	12	40 x 71	B32322-A5126-+0$0	60
	15	45 x 71	B32322-A5156-+0$0	45
	20	45 x 71	B32322-A5206-+0$0	45
	25	45 x 96	B32322-A5256-+0$0	45
	50	50 x 119	B32322-A5306-+0$0	32

Notes for Ordering Code:

1) + Replace for tolerance on capacitance

J - ±5%
K - ±10%

2) $ Replace for construction

1 – Plastic case
3 – Plastic case with stud

Cautions and warnings

⚠Please read information about AC Motor Run Capacitors and cautions as well as applications, warning installation and maintenance instructions (Application warning installation and Maintenance Instructions for AC Motor Run Capacitors, available in the Internet) to ensure optimum performance and prevent products from failing, and in worst case, bursting and fire. Information given in the data sheet reflects typical specifications. You are kindly requested to approve our product specifications or request our approval for your specification before ordering.

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