

Film Capacitors – AC Capacitors

Motor run capacitors

Series/Type: B32332 - Super MotorCap™, 450 V

Ordering code: B32332

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Motor run capacitors

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Construction

- Metallized polypropylene film
- Aluminum can with plastic top
- Soft polyurethane resin

Applications

For general sine wave applications,
 Mainly as motor run capacitor

Features

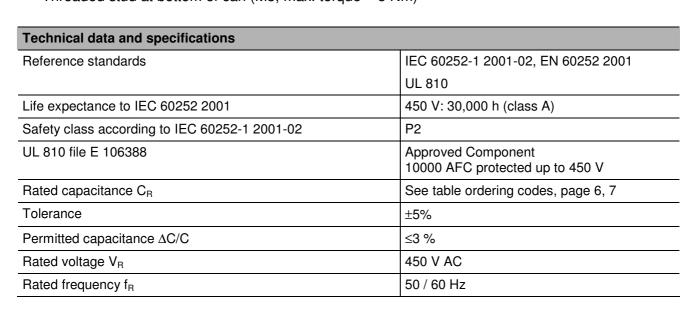
- Self-healing properties
- Low dissipation factor
- Highest safety level P2 to IEC 60252-1 2001-02
- Overpressure disconnection device
- High insulation resistance
- EN 60335-1 compliance on request



■ B32332 – Double Fast on: 6.3 × 0.8 mm

Mounting part

Threaded stud at bottom of can (M8, max. torque = 5 Nm)







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Maximum ratings					
Maximum permissible voltage V _{max}	1.1 · V _R (V _R = Rated voltage)				
Maximum permissible current I _{max}	1.3 · I _R (I _R = Rated current)				
Test data					
AC test voltage terminal to terminal V _{TT}	2 · V _R , 2 s (routine test)				
	2 · V _R , 60 s (type test)				
AC test voltage terminals to can V_{TC}	2 kV AC, 2 s (routine test)				
	2 kV AC, 60 s (type test)				
Insulation resistance R_{ins} or time constant τ at 20 °C, Rel. humidity max. value 85%, annual means \leq 65%	3,000 s				
Dissipation factor tan δ at 20 $^{\circ}$ C	≤1.0 ·10 ⁻³ (120 Hz)				
Maximum rate of voltage rise dV/dt _{max}	10 V/μs				
Climatic data					
Climatic category	25/085/21 to IEC 60068-1				
Lower category T _{min}	–25 ℃				
Upper category T _{max}	+85 ℃				
Damp heat test t _{test}	21 days				
Mechanical and thermal properties					
Ball pressure test to IEC 60309-1 sec. 27.3	At 125 ℃				
Plastic can and top disk material	UL 94 V2 minimum				
■ UL 94 V2/V0 compatible					
■ Glow wire test to IEC 60335-1 / IEC 60695-2-1/1 Test temperature 550 °C / 750 °C	Self-extinguish within 2 seconds of withdrawing				
Part is compatible to EN 60335-1	glow wire				
Tracking test to IEC 60112 solution A	>250 V				
Compatibility to RoHS					
Compliance to directive 2002/95/EC	RoHS				



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Approvals					
VDE EN 60252-1					
450 V / 85 ℃:	V / 85 °C: 30,000 h (class A) Approved Up to 20μF				
TÜV EN 60252-1					
450 V / 85 ℃:	30,000 h (class A) Approved up to 50μF				
UL 810 E106388		Approved Component 10000 AFC, protected			
_C M _{US}		up to 450 V			
cec		Approved on request			
Logistics					
Delivery mode		■ EU palett as standard			
		Cardboard tape on palett			
		Pack unit, see dimension table			

Cautions and warnings

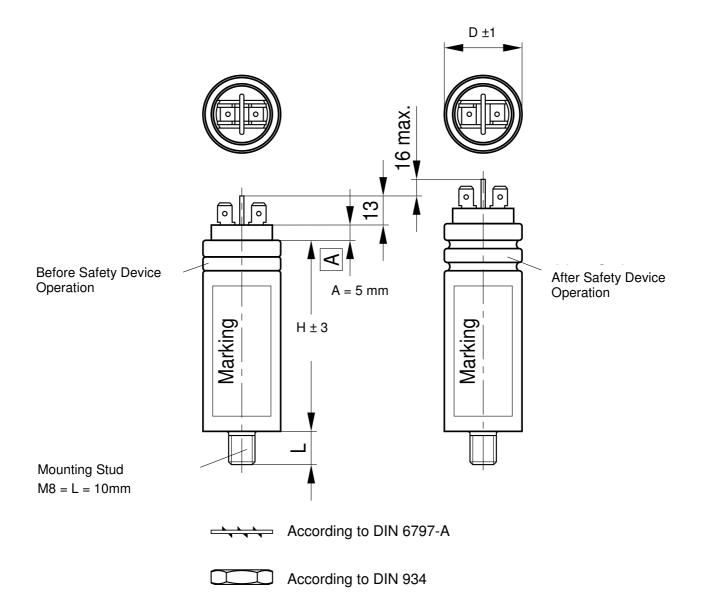
Please read "Applications warning, installation and maintenance instructions" and the "General Safety Data Sheet for Power Capacitors" issued by ZVEI, which are available on the internet at www.epcos.com/ac_capacitors, to ensure optimum performance and to prevent products from failing, and in worst case, 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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Dimensional drawing





Important notes

Ordering codes

V _R	C _R	Dimensions	Ordering code	Approvals / Life Class				Packaging
V AC	μF	D x H mm		VDE	TUV	UL	CQC	Unit
450	2.5	30 x 52	B32332I6255J081	Α	Α	•	•	49
	5	30 x 52	B32332I6505J082	Α	Α	•	•	49
	7.5	30 x 68	B32332I6755J080	Α	Α	•	•	49
	10	30 x 68	B32332I6106J080	Α	Α	•	•	49
	15	30 x 78	B32332I6156J080	Α	Α	•	•	49
	20	30 x 93	B32332I6206J081	Α	Α	•	•	49
	25	35 x 93	B32332I6256J080		Α	•	•	36
	30	35 x 93	B32332I6306J080		Α	•	•	36
	35	35 x 103	B32332I6356J082		Α	•	•	36
	40	40 x 103	B32332I6406J081		Α	•	•	36
	50	45 x 103	B32332I6506J082		Α	•	•	25
	60	45 x 103	B32332I6606J082			•	•	25



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