

Motor Run Capacitors

250V; class B; 85 °C / 400 V; class B; 85 °C / 480 V; class C; 85 °C

Series/Type: B32329 – MotorCap™

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Construction

- Dielectric: polypropylene film
- Plastic can and top UL 94 V2 material
- Dry type

Features

- Self-healing properties
- Low dissipation factor
- P0 safety class to IEC 60252-1 2001-02
- High insulation resistance
- UL 810 construction only approved E183224

Typical applications

 For general sine wave applications, mainly as motor run capacitor

Terminals

- Tinned copper wire
- Variable wire length

Mounting parts (optional)

- Threaded stud at bottom of can (M8, max. torque = 5 Nm)
- Fast fixation for mounting into a hole of Ø 8 mm

Technical data and specifications	
Reference standards	IEC 60252-1 / UL810
Safety class to IEC 60252-1 2001-02	P0
Life expectancy to IEC 60252 2001	250 V/85 °C: 10,000 h (class B) 400 V/85 °C: 10,000 h (class B) 480 V/85 °C: 3,000 h (class C)
Rated capacitance C _R	See dimensions table
Tolerance	±5%
Rated voltage V _R	250 V, 400 V, 480 V
Rated frequency f _R	50/60 Hz
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)







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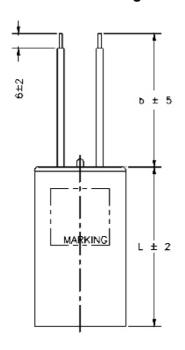
Test data				
AC test voltage terminal	to terminal V _{TT}	2 · V _R ,2 s (routine test)		
 		2 · V _R ,60 s (type test)		
Insulation resistance R _{ins} at 20 °C, rel. humidity ≤ 6 (minimum as-delivered va	65%	3,000 s		
Dissipation factor tan δ a	t 20 °C	≤ 1.0 ·10 ⁻³ (120 Hz)		
Maximum rate of voltage	rise dV/dt _{max}	10 V/μs		
Climatic data				
Climatic category		25/085/21 to IEC 60068-1		
Lower category T _{min}		−25 °C		
Upper category T _{max}		+85 °C		
Damp heat test t _{test}		21 days		
Mechanical and therma	l properties			
Ball pressure test to IEC	60309-1 sec. 27.3	20 N at 125 °C		
Plastic can and top disk r	material	UL 94 V2 minimum		
■ UL 94 V2 compatible				
■ Glow wire test to IEC Test temp 550 °C for Test temp 750 °C for		Self extinguish within 30 seconds of withdrawing the glow wire and without igniting wrapping tissue.		
Tracking test to IEC 6011	12 solution A	> 250 V		
Compatibility to RoHS				
Compliance to directive 2	2002/95/EC	RoHS		
Approvals				
VDE EN 60252				
400 V/85 °C:	10,000 h (class B)	Approved		
480 V/85°C: 3,000 h (class C)		Approved		
UL 810 E183224				
250 V		Approved		
400 V		Approved		
480 V		Approved		

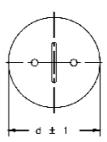


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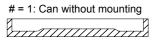
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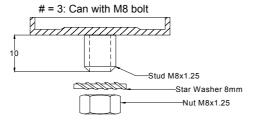
Dimensional drawing

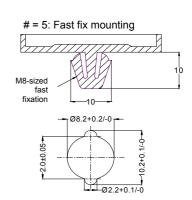




Mounting options









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Ordering codes and packing units

V _R V AC	C _R	Max. dimensions d × I	Ordering code	Packing units
V AC	μF	mm		pcs.
250	1,5	25 × 58	B32329C1155J0#*	112
	2	25 × 58	B32329C1205J0#*	112
	3	25 × 58	B32329C1305J0#*	112
	4	25 × 58	B32329C1405J0#*	112
	5	25 × 58	B32329C1505J0#*	112
	6	25 × 58	B32329C1605J0#*	112
	7	25 × 58	B32329C1705J0#*	112
	7,5	25 × 58	B32329C1755J0#*	112
	8	25 × 58	B32329C1805J0#*	112
	9	30 × 62	B32329C1905J0#*	112
	10	30 × 62	B32329C1106J0#*	112
-	12	30 × 62	B32329C1126J0#*	112
	14	30 × 62	B32329C1146J0#*	112
	15	30 × 62	B32329C1156J0#*	112
	16	30 × 62	B32329C1166J0#*	112
	18	30 × 62	B32329C1186J0#*	112
	20	35 × 62	B32329C1206J0#*	84
	22	35 × 62	B32329C1226J0#*	84
	25	35 × 71	B32329C1256J0#*	84
-	30	35 × 71	B32329C1306J0#*	84
	35	40 × 71	B32329C1356J0#*	60
	40	40 × 71	B32329C1406J0#*	60
	45	40 × 71	B32329C1456J0#*	60
	50	40 × 95	B32329C1506J0#*	60
	55	40 × 95	B32329C1556J0#*	60
	60	40 × 95	B32329C1606J0#*	60



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V _R V AC	C _R	Max. dimensions d × l	Ordering code	Packing units
VAC	μF	mm		pcs.
400	1,5	25 × 58	B32329B4155J0#*	112
	2	25 × 58	B32329B4205J0#*	112
	3	25 × 58	B32329B4305J0#*	112
	4	25 × 58	B32329B4405J0#*	112
	5	30 × 62	B32329B4505J0#*	112
	6	30 × 62	B32329B4605J0#*	112
	7	35 × 62	B32329B4705J0#*	84
	7,5	35 × 62	B32329B4755J0#*	84
	8	35 × 62	B32329B4805J0#*	84
	9	35 × 62	B32329B4905J0#*	84
	10	35 × 62	B32329B4106J0#*	84
	12	35 × 71	B32329B4126J0#*	84
	14	35 × 71	B32329B4146J0#*	84
	15	40 × 71	B32329B4156J0#*	60
	16	40 × 71	B32329B4166J0#*	60
	18	40 × 71	B32329B4186J0#*	60
	20	40 × 71	B32329B4206J0#*	60
	22	40 × 71	B32329B4226J0#*	60
	25	40 × 95	B32329B4256J0#*	60
	30	40 × 95	B32329B4306J0#*	60
	35	45 × 95	B32329B4356J0#*	45
	40	45 × 95	B32329B4406J0#*	45
	45	50 × 95	B32329B4456J0#*	32
	50	50 × 95	B32329B4506J0#*	32
	55	50 × 95	B32329B4556J0#*	32
	60	50 × 95	B32329B4606J0#*	32



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V _R V AC	C _R μF	Max. dimensions d × l	Ordering code	Packing units
V 7.00	μι	mm		pcs.
480	3	30 × 62	B32329B9305J0#*	112
	4	30 × 62	B32329B9405J0#*	112
	6	35 × 62	B32329B9605J0#*	84
	7,5	35 × 62	B32329B9755J0#*	84
	8	35 × 71	B32329B9805J0#*	84
	10	40 × 71	B32329B9106J0#*	45
	12	40 × 71	B32329B9126J0#*	45
	15	45 × 71	B32329B9156J0#*	45
_	16	45 × 71	B32329B9166J0#*	45
	20	45 × 71	B32329B9206J0#*	45
	22	45 × 71	B32329B9226J0#*	45
	25	45 × 95	B32329B9256J0#*	45
	30	45 × 95	B32329B9306J0#*	45
	35	45 × 95	B32329B9356J0#*	32
	40	45 × 120	B32329B9406J0#*	45
	45	50 × 120	B32329B9456J0#*	32
	50	50 × 120	B32329B9506J0#*	32

Composition of ordering code:

#: Construction

- 1 plastic can
- 3 plastic can with M8 bolt
- 5 plastic can with fast fixation device, available for diameters 30 mm, 32 mm and 35 mm, others on request
- *: Wire length (dimension 'b' in drawing)
 - 3 100 mm
 - 7 200 mm
 - 9 250 mm

others on request

⚠ 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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