

AC Film Capacitors

B 32 324

Motor Run

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.

Terminals

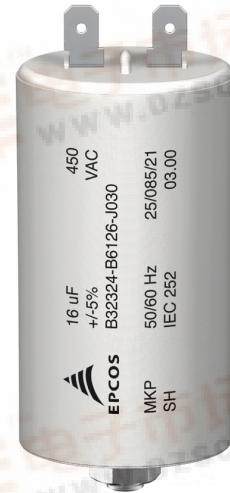
- B32324 Single Faston 6,3 x 0,8 mm (same side)

Mounting parts

- Metal stud (max. torque = 5 Nm)
- Plastic stud (max. torque = 3 Nm)

Technical data and specifications

Standard	IEC / EN 60252
Rated capacitance C_N	2 .. 60 μ F
Tolerance	$\pm 5\%$, $\pm 10\%$
Rated voltage U_N	250 .. 450 Vac
Rated frequency f_N	50.. 60 Hz
Life expectancy	10.000 h (Class B)
Maximum ratings	
Maximum permissible voltage U_{max}	1,1 x U_N (U_N : rated voltage)
Maximum permissible current I_{max}	1,3 x I_N (I_N : rated current)



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Technical data (cont`d)
Test data

AC test voltage terminal to terminal U_{TT}	$2 \times U_N$, 60 s
Insulation voltage terminals to case	2000 Vac
Insulation resistance R_{is} or time constant τ at 20 °C Rel. Humidity ≤ 65 °C (minimum value)	3000 s
Dissipation factor $\tan\delta$ at 20 °C	$\leq 1,0 \times 10^{-3}$ (120 Hz)
Maximum rate of voltage rise du/dt_{max}	10 V/ μ s

Climatic data

Climatic category	25/085/21 in accordance with IEC 60068-1
Lower category T_{min}	-25 °C
Upper category T_{max}	+85 °C
Damp heat test t_{test}	21 days
Permitted capacitance $\Delta C/C$	≤ 3 %

Note :

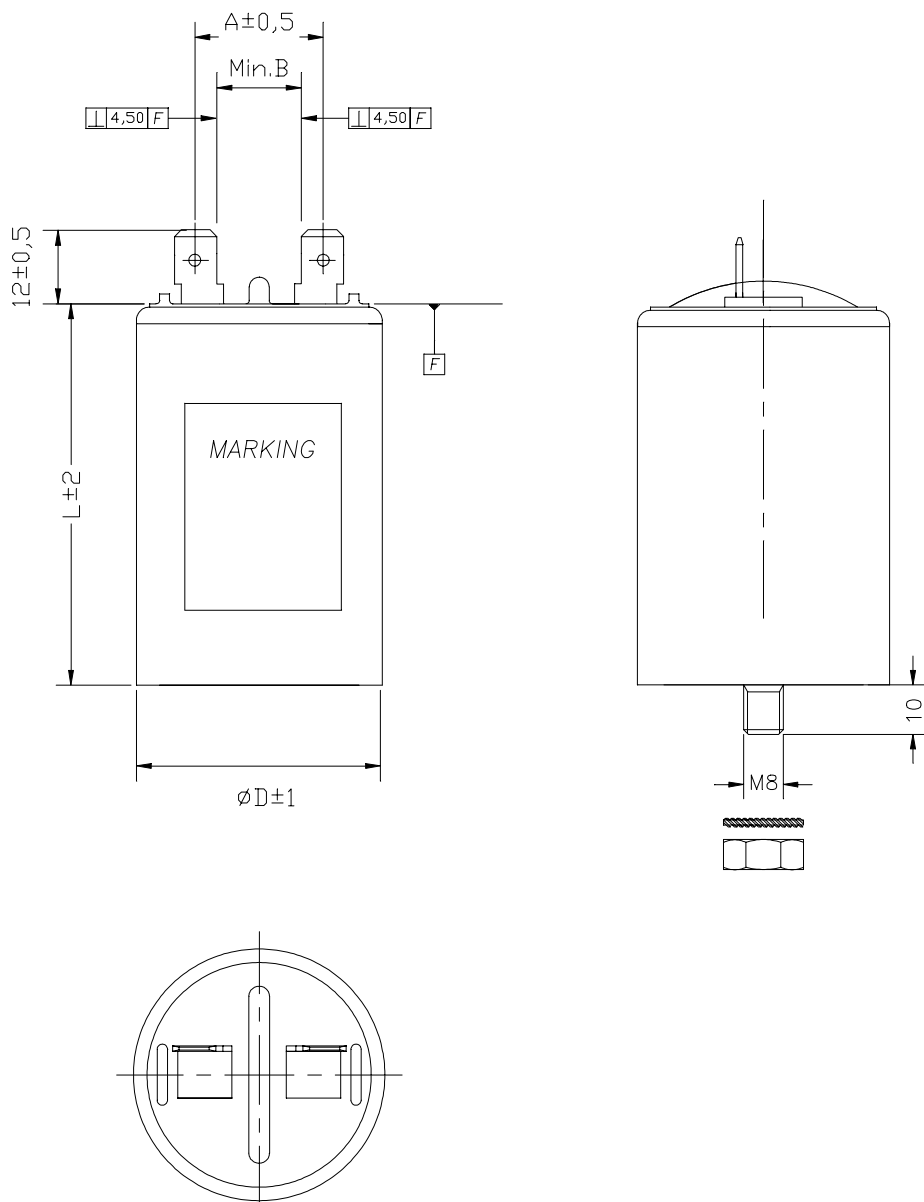
- 1) It should be noted that presence of harmonics produces over voltage & over current on capacitors. Resonance may cause serious damage to installation if a significant level of total harmonic distortion level exists for voltage or current. In such cases, series reactors must be considered.
- 2) Operating temperature class: In accordance with the reference standards, these temperatures are those measured on the surface on the capacitor

Approved marks


EN 60252
250⁽²⁾, 400⁽¹⁾ and 450⁽¹⁾ Vac.

- (1) Only from Icotron
- (2) Homologation in process

Dimensional drawings





Motor Run

Ordering codes and packing units

U_N Vac	C_N μF	Max. dimensions $d \times l$ (mm) B32324	Ordering code	Packing unit (pcs.)
250	4	30 x 62	B32324-A1405-+0\$0	112
	5	30 x 62	B32324-A1505-+0\$0	112
	6	30 x 62	B32324-A1605-+0\$0	112
	7	30 x 62	B32324-A1705-+0\$0	112
	8	30 x 62	B32324-A1805-+0\$0	112
	9	30 x 62	B32324-A1905-+0\$0	112
	10	30 x 62	B32324-A1103-+0\$0	112
	12	30 x 62	B32324-A1126-+0\$0	112
	15	30 x 62	B32324-A1156-+0\$0	112
	20	35 x 62	B32324-A1206-+0\$0	84
	25	35 x 71	B32324-A1256-+0\$0	84
	30	35 x 71	B32324-A1306-+0\$0	84
	35	40 x 71	B32324-A1356-+0\$0	45
	40	40 x 71	B32324-A1406-+0\$0	45
	45	40 x 71	B32324-A1456-+0\$0	45
	50	40 x 98	B32324-A1506-+0\$0	45
	55	40 x 98	B32324-A1556-+0\$0	45
60	40 x 98	B32324-A1606-+0\$0	45	



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U_N Vac	C_N μF	Max. dimensions $d \times l$ (mm) B32324	Ordering code	Packing unit (pcs.)
400	2	30 x 62	B32324-A4205-+0\$0	112
	3	30 x 62	B32324-A4305-+0\$0	112
	4	30 x 62	B32324-A4405-+0\$0	112
	5	30 x 62	B32324-A4505-+0\$0	112
	6	30 x 62	B32324-A4605-+0\$0	112
	7	35 x 62	B32324-A4705-+0\$0	84
	8	35 x 62	B32324-A4805-+0\$0	84
	10	35 x 62	B32324-A4106-+0\$0	84
	12	35 x 71	B32324-A4126-+0\$0	84
	15	40 x 71	B32324-A4156-+0\$0	45
	20	40 x 71	B32324-A4206-+0\$0	45
	25	40 x 98	B32324-A4256-+0\$0	45
	30	40 x 98	B32324-A4306-+0\$0	45
	35	45 x 95	B32324-A4356-+0\$0	45
	40	45 x 95	B32324-A4406-+0\$0	45
	45	50 x 95	B32324-A4456-+0\$0	32
50	50 x 95	B32324-A4506-+0\$0	32	



Motor Run

U_N Vac	C_N μF	Max. dimensions $d \times l$ (mm) B32324	Ordering code	Packing unit (pcs.)
450	3	30 x 62	B32324-A6305-+0\$0	112
	6	35 x 62	B32324-A6605-+0\$0	84
	8	35 x 71	B32324-A6805-+0\$0	84
	10	40 x 71	B32324-A6106-+0\$0	45
	12	40 x 71	B32324-A6126-+0\$0	45
	15	45 x 71	B32324-A6156-+0\$0	45
	20	45 x 71	B32324-A6206-+0\$0	45
	25	45 x 95	B32324-A6256-+0\$0	45
	30	45 x 95	B32324-A6306-+0\$0	45
	35	50 x 95	B32324-A6356-+0\$0	32
	40	45 x 120	B32324-A6406-+0\$0	45
	45	50 x 120	B32324-A6456-+0\$0	32
	50	50 x 120	B32324-A6506-+0\$0	32

Notes for ordering code:

+ Replace for capacitance tolerance

J - $\pm 5\%$

K - $\pm 10\%$

\$ Replace for construction

1 - Plastic case FRPP (UL94 V-2)

3 - Plastic case FRPP (UL 94 V-2) and M8 bolt

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