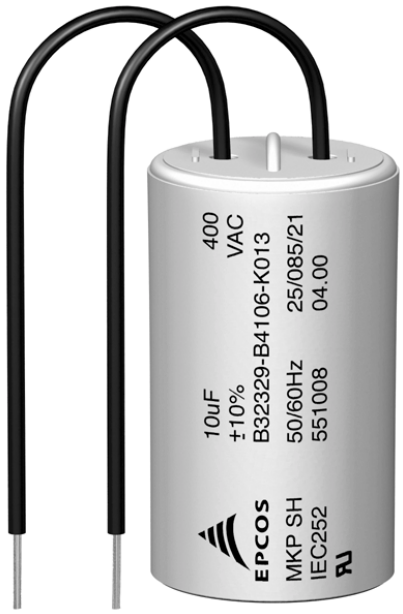
UL 810

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

- Flexile lead wires

Mounting parts

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

Technical data and specifications

Standard	IEC / EN 60252 / UL810
Rated capacitance C_N	2 .. 60 µF
Tolerance	± 5% , ±10%
Rated voltage U_N	250 .. 450 Vac
Rated frequency f_N	50.. 60 Hz
Life expectancy	10.000 h (Class B according to IEC / EN 60252)
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)

Technical data (cont`d)

Test data	
AC test voltage terminal to terminal U_{TT}	2 x 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 tanδ at 20 °C	≤ 1,0 x 10^{-3} (120 Hz)
Maximumr rate of voltage rises du/dt_{max}	10 V/µs
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 siginificant 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

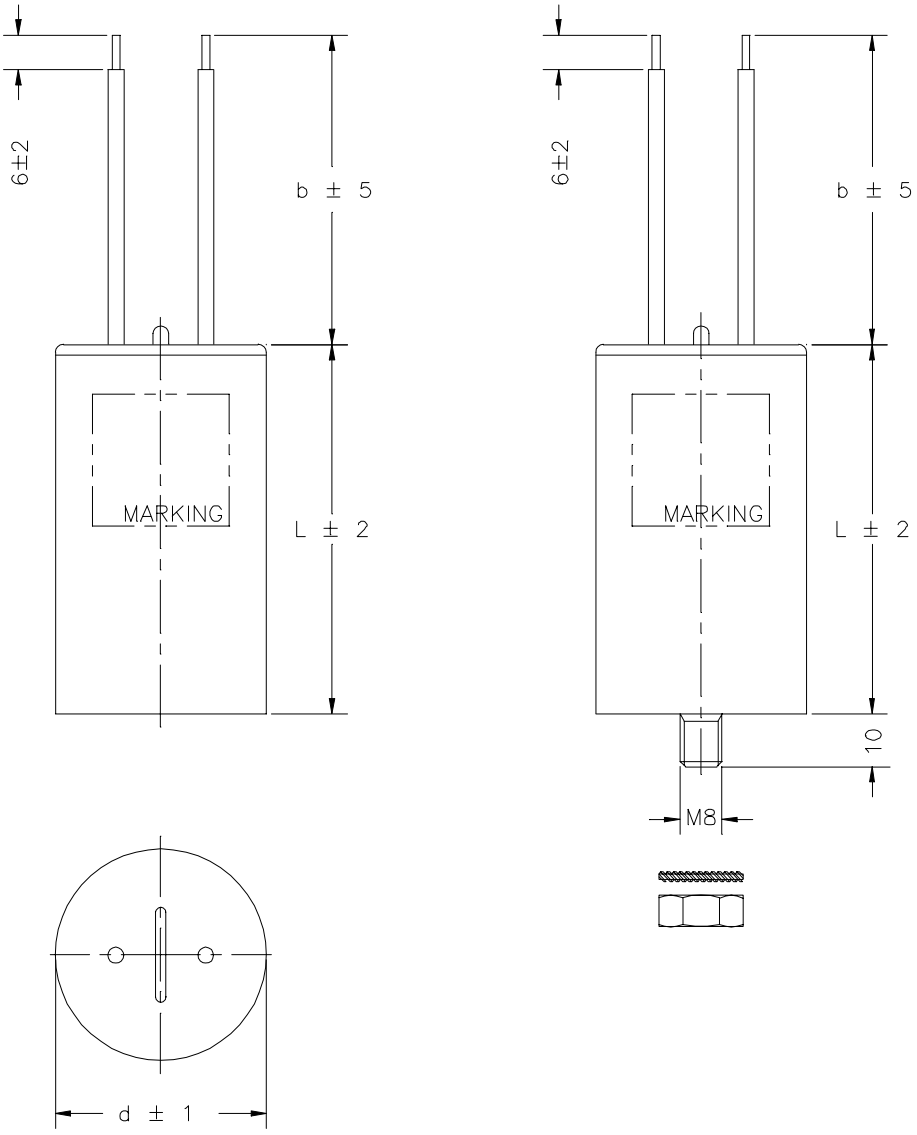
Approved marks

UL 810 (1)

EN 60252 (2)

(1) Currently available from Icotron
(2) Homologation In progress

Dimensional drawings



Ordering codes and packing units

U_N Vac	C_N µF	Max. dimensions *d* x *l* (mm)	Ordering code	Packing unit (pcs.)
250	4	25 x 58	B32329-C1405-+0$*	112
	5	25 x 58	B32329-C1505-+0$*	112
	6	25 x 58	B32329-C1605-+0$*	112
	7	25 x 58	B32329-C1705-+0$*	112
	8	25 x 58	B32329-C1805-+0$*	112
	9	30 x 62	B32329-C1905-+0$*	112
	10	30 x 62	B32329-C1103-+0$*	112
	12	30 x 62	B32329-C1126-+0$*	112
	15	30 x 62	B32329-C1156-+0$*	112
	20	35 x 62	B32329-C1206-+0$*	84
	25	35 x 71	B32329-C1256-+0$*	84
	30	35 x 71	B32329-C1306-+0$*	84
	35	40 x 71	B32329-C1356-+0$*	45
	40	40 x 71	B32329-C1406-+0$*	45
	45	40 x 71	B32329-C1456-+0$*	45
	50	40 x 98	B32329-C1506-+0$*	45
	55	40 x 98	B32329-C1556-+0$*	45
	60	40 x 98	B32329-C1606-+0$*	45

U_N Vac	C_N µF	Max. dimensions *d* x *l* (mm)	Ordering code	Packing unit (pcs.)
400	2	25 x 58	B32329-B4205-+0$*	112
	3	25 x 58	B32329-B4305-+0$*	112
	4	25 x 58	B32329-B4405-+0$*	112
	5	30 x 62	B32329-B4505-+0$*	112
	6	30 x 62	B32329-B4605-+0$*	112
	7	35 x 62	B32329-B4705-+0$*	84
	8	35 x 62	B32329-B4805-+0$*	84
	10	35 x 62	B32329-B4106-+0$*	84
	12	35 x 71	B32329-B4126-+0$*	84
	15	40 x 71	B32329-B4156-+0$*	45
	20	40 x 71	B32329-B4206-+0$*	45
	25	40 x 98	B32329-B4256-+0$*	45
	30	40 x 98	B32329-B4306-+0$*	45
	35	45 x 95	B32329-A4356-+0$*	45
	40	45 x 95	B32329-A4406-+0$*	45
	45	50 x 95	B32329-A4456-+0$*	32
	50	50 x 95	B32329-A4506-+0$*	32

U_N Vac	C_N µF	Max. dimensions *d* x *l* (mm)	Ordering code	Packing unit (pcs.)
450	3	30 x 62	B32329-B6305-+0$*	112
	6	35 x 62	B32329-B6605-+0$*	84
	8	35 x 71	B32329-B6805-+0$*	84
	10	40 x 71	B32329-B6106-+0$*	45
	12	40 x 71	B32329-B6126-+0$*	45
	15	45 x 71	B32329-A6156-+0$*	45
	20	45 x 71	B32329-A6206-+0$*	45
	25	45 x 95	B32329-A6256-+0$*	45
	30	45 x 95	B32329-A6306-+0$*	45
	35	50 x 95	B32329-A6356-+0$*	32
	40	45 x 120	B32329-A6406-+0$*	45
	45	50 x 120	B32329-A6456-+0$*	32
	50	50 x 120	B32329-A6506-+0$*	32

Notes for ordering code:
+ Replace for capacitance tolerance
J - ± 5%
K- ± 10%
$ Replace for construction
1 - Plastic case FRPP (UL94 V-2)
3 - Plastic case FRPP and M8 bolt

* Replace for wire length (Dimension ‘b’ in drawing)
1: 65 mm
3: 100 mm
5: 150 mm
7: 200 mm
9: 250 mm

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