

AC Film Capacitors	B 32320
Motor Run	B 32322

Construction

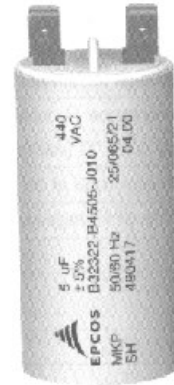
- Dielectric: polypropylene film
- Plastic case
- Polyurethane resin

Features

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

Typical applications

For general sine wave applications, mainly as motor run capacitor



Terminals

- B32320 Single Faston 6,3 x 0,8 mm
- B32322 Double Faston 6,3 x 0,8 mm

Mounting parts

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

Technical data and specifications

Standard	IEC 60252 / EN 60252
Rated capacitance C_n	According to dimensions table
Tolerance	$\pm 5\%$, $\pm 10\%$
Rated voltage U_n	According to dimensions table
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)
Test data	
AC test voltage terminal to terminal $U_{\tau\tau}$	2 x U_N , 60s
Insulation voltage terminal to case	2000 Vac
Insulation resistance R_{is} time constant 20°C	
Rel. Humidity $\leq 65^\circ\text{C}$ (minimum value)	3000s
Dissipation factor $\tan\delta$ at 20°C	$\leq 1,0 \times 10^{-3}$ (120 Hz)
Maximum 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
Upper category T_{max}	+85
Damp heat test t_{test}	21 days
Permitted capacitance $\Delta C/C$	$\leq 3\%$

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 *

EN60252



Only for 400Vac and 450 Vac

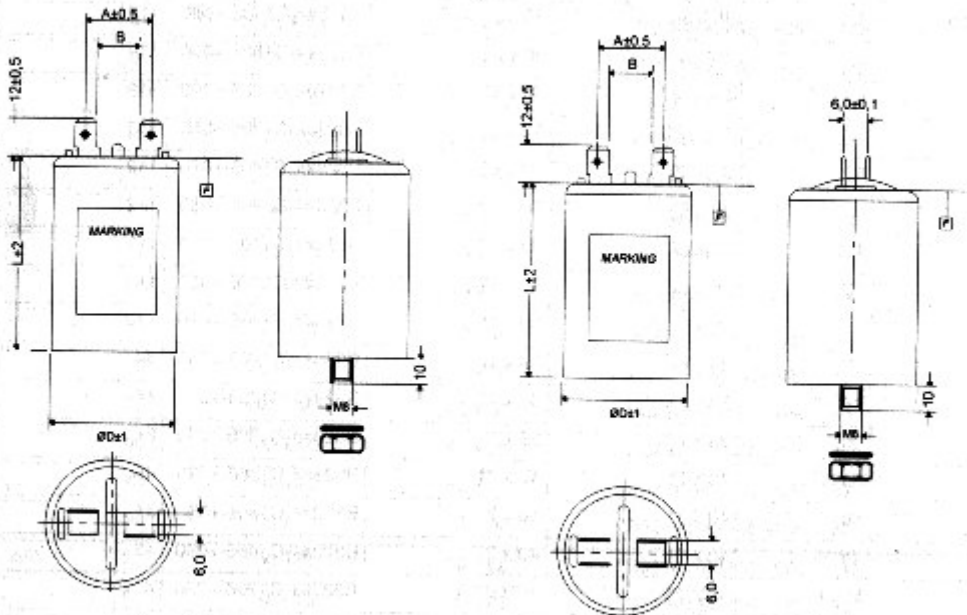
Dimensional drawings

B32320-...010

B32320-...030

B32322-...010

B32322-...030



- . A = mín. 18,15 mm. For D = 25mm, A = mín. 12,65 mm.
- . B = mín. 9,5 mm. For D = 25mm, B = mín. 6,0 mm.

Ordering codes and packing units

Un Vac	Cn µF	Max. Dimensions D x I(mm) B 32320	Max. Dimensions D x I(mm) B 32322	Ordering Code	Packing unit (pcs.)
250	4	25 x 58	30 x 62	B323##-C1405-+0\$0	112
	5	25 x 58	30 x 62	B323##-C1505-+0\$0	112
	6	25 x 58	30 x 62	B323##-C1605-+0\$0	112
	7	25 x 58	30 x 62	B323##-C1705-+0\$0	112
	8	25 x 58	30 x 62	B323##-C1805-+0\$0	112
	9	30 x 62	30 x 62	B323##-C1905-+0\$0	112
	10	30 x 62	30 x 62	B323##-C1103-+0\$0	112

Un Vac	Cn μF	Max. Dimensions D x I(mm) B 32320	Max. Dimensions D x I(mm) B 32322	Ordering Code	Packing unit (pcs.)
	12	30 x 62	30 x 62	B323##-C1126-+0\$0	112
	15	30 x 62	30 x 62	B323##-C1156-+0\$0	112
	20	35 x 62	35 x 62	B323##-C1206-+0\$0	84
	25	35 x 71	35 x 71	B323##-C1256-+0\$0	84
	30	35 x 71	35 x 71	B323##-C1306-+0\$0	84
	35	40 x 71	40 x 71	B323##-C1356-+0\$0	45
	40	40 x 71	40 x 71	B323##-C1406-+0\$0	45
	45	40 x 71	40 x 71	B323##-C1456-+0\$0	45
	50	40 x 98	40 x 98	B323##-C1506-+0\$0	45
	55	40 x 98	40 x 98	B323##-C1556-+0\$0	45
	60	40 x 98	40 x 98	B323##-C1606-+0\$0	45
400	2	25 x 58	30 x 62	B323##-B4205-+0\$0	112
	3	25 x 58	30 x 62	B323##-B4305-+0\$0	112
	4	25 x 58	30 x 62	B323##-B4405-+0\$0	112
	5	30 x 62	30 x 62	B323##-B4505-+0\$0	112
	6	30 x 62	30 x 62	B323##-B4605-+0\$0	112
	7	35 x 62	35 x 62	B323##-B4705-+0\$0	84
	8	35 x 62	35 x 62	B323##-B4805-+0\$0	84
	10	35 x 62	35 x 62	B323##-B4106-+0\$0	84
	12	35 x 71	35 x 71	B323##-B4126-+0\$0	84
	15	40 x 71	40 x 71	B323##-B4156-+0\$0	45
	20	40 x 71	40 x 71	B323##-B4206-+0\$0	45
	25	40 x 98	40 x 98	B323##-B4256-+0\$0	45
	30	40 x 98	40 x 98	B323##-B4306-+0\$0	45
	35	45 x 95	45 x 95	B323##-A4356-+0\$0	45
	40	45 x 95	45 x 95	B323##-A4406-+0\$0	45
	45	50 x 95	50 x 95	B323##-A4456-+0\$0	32
	50	50 x 95	50 x 95	B323##-A4506-+0\$0	32
450	3	30 x 62	30 x 62	B323##-B6305-+0\$0	112
	6	35 x 62	35 x 62	B323##-B6605-+0\$0	84
	8	35 x 71	35 x 71	B323##-B6805-+0\$0	84
	10	40 x 71	40 x 71	B323##-B6106-+0\$0	45
	12	40 x 71	40 x 71	B323##-B6126-+0\$0	45
	15	45 x 71	45 x 71	B323##-A6156-+0\$0	45
	20	45 x 71	45 x 71	B323##-A6206-+0\$0	45
	25	45 x 95	45 x 95	B323##-A6256-+0\$0	45
	30	45 x 95	45 x 95	B323##-A6306-+0\$0	45
	35	50 x 95	50 x 95	B323##-A6356-+0\$0	32
	40	45 x 120	45 x 120	B323##-A6406-+0\$0	45
	45	50 x 120	50 x 120	B323##-A6456-+0\$0	32
	50	50 x 120	50 x 120	B323##-A6506-+0\$0	32

U_n Vac	C_n μF	Max. Dimensions D x I(mm) B 32320	Max. Dimensions D x I(mm) B 32322	Ordering Code	Packing unit (pcs.)
660	1,5	30 x 62	30 x 62	B323##-B9155-+0\$0	112
	2	35 x 62	35 x 62	B323##-B9205-+0\$0	84
	5	40 x 98	40 x 98	B323##-B9505-+0\$0	45
	6	45 x 95	45 x 95	B323##-A9605-+0\$0	45
	7,5	45 x 95	45 x 95	B323##-A9755-+0\$0	45
	10	50 x 95	50 x 95	B323##-A9106-+0\$0	32

Notes for ordering code:

Replace for terminals

20 - Single faston terminals

22 - Double faston terminals

+ Replace for tolerance on capacitance

J - ± 5%

K - ± 10%

\$ Replace for construction

1- Plastic case FRPP(UL94 V2)

2 - Plastic case PP

3 - Plastic case FRPP (UL94 V2) and M8 bolt

4 - Plastic case PP and M8 bolt