

AC Film Capacitors

B 32 320

Motor Run

B 32 322

Construction

- Dielectric: polypropylene film
- Plastic case
- Polyurethane resin

Features

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

Typical applications

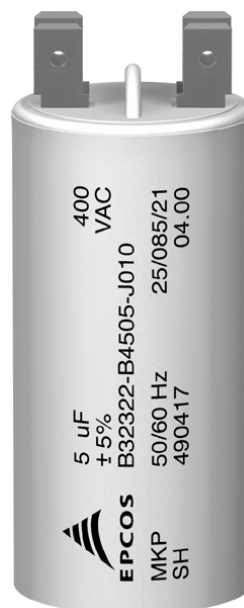
For general sine wave applications,
mainly as motor run capacitor

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 / EN 60252
Rated capacitance C_N	1,5 .. 60 μ F
Tolerance	$\pm 5\%$, $\pm 10\%$
Rated voltage U_N	250 .. 660 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)

Technical data (cont`d)
Test data

AC test voltage terminal to terminal U_{TT}	$2 \times U_N, 60 \text{ s}$
Insulation voltage terminals to case	2000 Vac
Insulation resistance R_{is} or time constant τ at 20°C	
Rel. Humidity $\leq 65^\circ\text{C}$ (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/ μs

Climatic data

Climatic category	25/085/21 in accordance with IEC 60068-1
Lower category T_{min}	-25°C
Upper category T_{max}	$+85^\circ\text{C}$
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


EN 60252
250⁽²⁾⁽³⁾, 400⁽¹⁾ and 450⁽¹⁾ Vac.

- (1) Currently available from Icotron and EIPL.
- (2) Only from Icotron
- (3) Homologation in process to EIPL

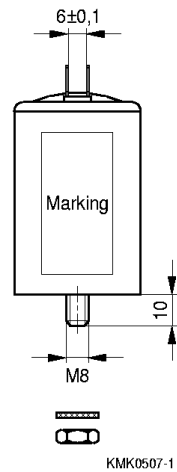
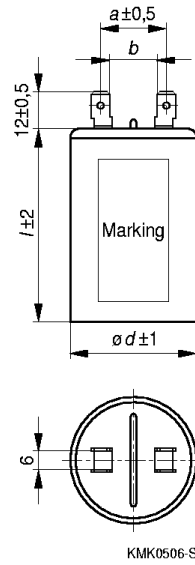
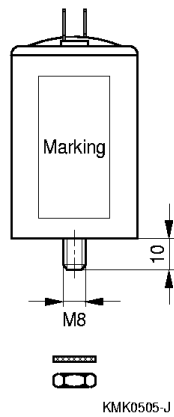
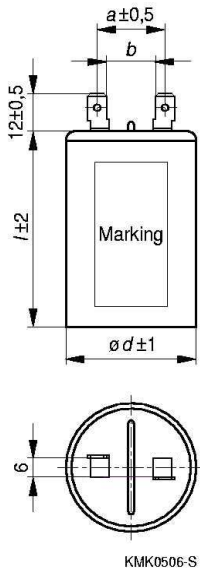
Dimensional drawings

B32320-...010

B32320-...030

B32322-...010

B32322-...030



a = min. 16,15 mm. For **d** = 25 mm, **a** = min. 12,65 mm.
b = min. 9,5 mm. For **d** = 25 mm, **b** = min. 6,0 mm.

Ordering codes and packing units

U_N Vac	C_N μF	Max. dimensions $d \times l$ (mm) B32320	Max. dimensions $d \times l$ (mm) B32322	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
	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	

U_N Vac	C_N μF	Max. dimensions $d \times l$ (mm) B32320	Max. dimensions $d \times l$ (mm) B32322	Ordering code	Packing unit (pcs.)
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
	450	3	30 x 62	30 x 62	B323**-B6305-+0\$0
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

U_N Vac	C_N μF	Max. dimensions $d \times l$ (mm) B32320	Max. dimensions $d \times l$ (mm) B32322	Ordering code	Packing unit (pcs.)
450	45	50 x 120	50 x 120	B323**-A6456-+0\$0	32
	50	50 x 120	50 x 120	B323**-A6506-+0\$0	32
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 fast on terminals

22 – Double fast on terminals

+ Replace for capacitance tolerance

J - $\pm 5\%$

K - $\pm 10\%$
\$ Replace for construction

1 - Plastic case FRPP (UL94 V-2)

3 - Plastic case FRPP (UL94 V-2) and M8 bolt

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