

AC Film Capacitors

B 32 325

Lighting

Construction

- Dielectric: polypropylene film
- Plastic case
- Polyurethane resin
- Internal discharge resistor

Features

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

Typical applications

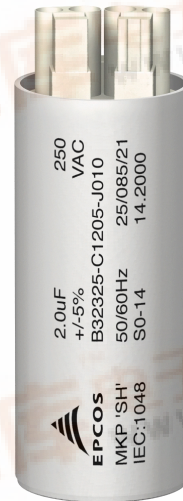
For general sine wave applications, mainly as series and parallel connection lighting capacitor

Terminals

- Push-in terminals

Mounting parts

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



Technical data and specifications

Standard	IEC / EN 61048 / 61049 (except destruction test)
Rated capacitance $C_N$	2 .. 25 $\mu$ F
Tolerance	$\pm 5\%$ , $\pm 10\%$
Rated voltage $U_N$	250 Vac
Rated frequency $f_N$	50.. 60 Hz
Life expectancy	10 years
<b>Maximum ratings</b>	
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)

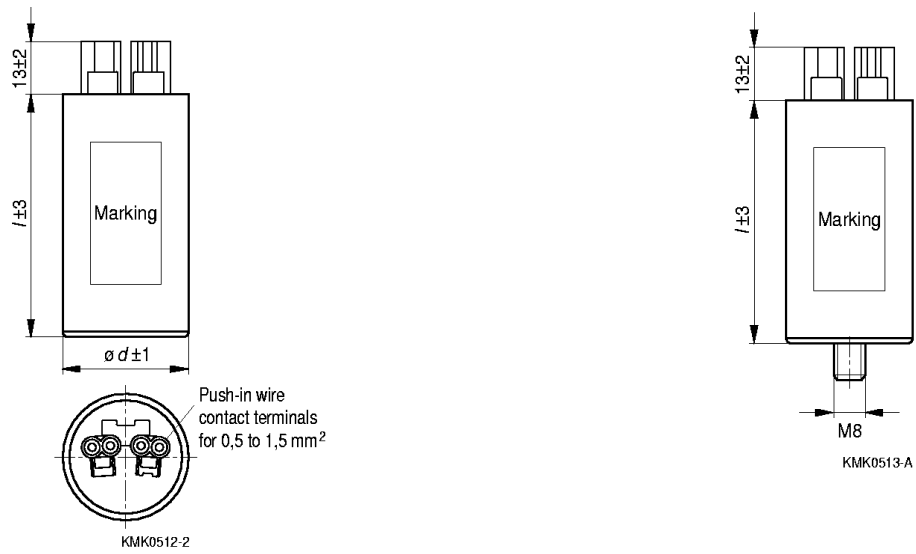
**Technical data (cont`d)**

<b>Test data</b>	
AC test voltage terminal to terminal $U_{TT}$	$2.0 \times U_N$ , 60s
Insulation voltage terminals to case	2000 Vac
Insulation resistance $R_{is}$ or time $\tau$ constant at 20 °C Rel. Humidity $\leq 65$ °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/ $\mu$ s
<b>Climatic data</b>	
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 $\Delta C/C$	$\leq 3$ %

**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

Dimensional drawings





**Ordering codes and packing units**

$U_N$ Vac	$C_N$ $\mu F$	Max. dimensions $d \times l$ (mm)	Ordering code	Packing unit (pcs.)
250	2	25 x 58	B32325-A1205-+0\$0	112
	3	25 x 58	B32325-A1305-+0\$0	112
	3.25	25 x 58	B32325-A1325-+5\$0	112
	3.5	25 x 58	B32325-A1355-+0\$0	112
	4	25 x 58	B32325-A1405-+0\$0	112
	5	25 x 58	B32325-A1505-+0\$0	112
	6	30 x 60	B32325-A1605-+0\$0	112
	7	30 x 60	B32325-A1705-+0\$0	112
	8	30 x 60	B32325-A1805-+0\$0	112
	9	30 x 60	B32325-A1905-+0\$0	112
	10	35 x 60	B32325-A1106-+0\$0	84
	12	35 x 60	B32325-A1126-+0\$0	84
	15	35 x 70	B32325-A1156-+0\$0	84
	20	35 x 70	B32325-A1206-+0\$0	84
	22	40 x 70	B32325-A1226-+0\$0	45
25	40 x 70	B32325-A1256-+0\$0	45	

**Notes for ordering code:**

+ Replace for capacitance tolerance

J -  $\pm 5\%$

K-  $\pm 10\%$

\$ Replace for construction

1 - Plastic case FR (UL94 V-1)

3 - Plastic case FR (UL94 V-1) and M8 bolt

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