

### Construction

- Dielectric: polypropylene film
- Aluminium can
- Soft polyurethan resin
- Internal discharge resistor
- Overpressure disconnecter

### Features

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

### Typical applications

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

### Terminals

- Single tag 2,8 mm ; Push-in terminals

### Mounting parts

- Metal stud (max. torque = 5 Nm)

### Technical data and specifications



Standard	IEC /EN 61048/61049
Rated capacitance $C_N$	3 .. 60 $\mu$ F
Tolerance	$\pm 5\%$ , $\pm 10\%$
Rated voltage $U_N$	250 ... 450 Vac
Rated frequency $f_N$	50...60Hz
Life expectance	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)
<b>Test data</b>	
AC test voltage terminal to terminal $U_{TT}$	2,0 x $U_N$ , 60 s
Insulation voltage terminals to case	2000 Vac, 60 s.
Insulation resistance $R_{is}$ or time constant $\tau$ at 20 °C	3000 s
Rel. Humidity $\leq 65$ °C (minimum value)	
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

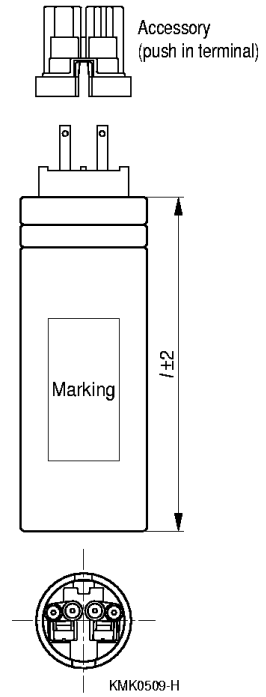
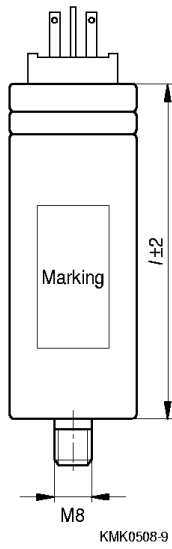
**Technical data (cont`d)****Climatic data**

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 $t_{\text{test}}$	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	$C_N$ $\mu\text{F}$	Max. dimensions $d \times l$ (mm)	Ordering code B32436-	Packing unit (pcs.)
250	2	30 x 68	A1205-+0*0	112
	3	30 x 68	A1305-+0*0	112
	4	30 x 68	A1405-+0*0	112
	5	30 x 68	A1505-+0*0	112
	7	30 x 68	A1705-+0*0	112
	8	30 x 68	A1805-+0*0	112
	10	35 x 68	A1106-+0*0	84
	12	35 x 68	A1126-+0*0	84
	15	35 x 78	A1156-+0*0	84
	16	35 x 78	A1166-+0*0	84
	20	35 x 78	A1206-+0*0	84
	25	40 x 78	A1256-+0*0	45
	30	40 x 78	A1306-+0*0	45
	35	40 x 103	A1356-+0*0	45
	40	40 x 103	A1406-+0*0	45
	450	2	30 X 68	A6205-+0*0
3		30 x 68	A6305-+0*0	112
4		30 X 68	A6405-+0*0	112
5		30 x 78	A6505-+0*0	112
6		30 x 78	A6605-+0*0	112
8		35 x 78	A6805-+0*0	84
10		35 x 78	A6106-+0*0	84

Notes for ordering code:

- 1) Replace \* for terminals
  - 3- Aluminum can with push-in
  - 4- Aluminum can with push-in terminals and bolt
  - 5- Aluminum can with solder tag
  - 6- Aluminum can solder tag without resistor
  - 7- Aluminum can solder tag with bolt
  - 8- Aluminium can solder tag, bolt, and without resistor

M 8 fixing threaded bolt for  $\leq \phi$  53mm.

Note- Push-in terminal available only upto 30 $\mu\text{f}$  in 250 V.

- 2) Replace + for capacitance tolerance: - J-  $\pm$  5%, K-  $\pm$  10%

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