

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 μ F |
| Tolerance | $\pm 5\%$, $\pm 10\%$ |
| Rated voltage U_N | 250 ... 450 Vac |
| Rated frequency f_N | 50...60Hz |
| Life expectance | 10 years |

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_{TT} | 2,0 x U_N , 60 s |
| Insulation voltage terminals to case | 2000 Vac, 60 s. |
| Insulation resistance R_{is} or time constant τ at 20 °C Rel. Humidity ≤ 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/ μ s |

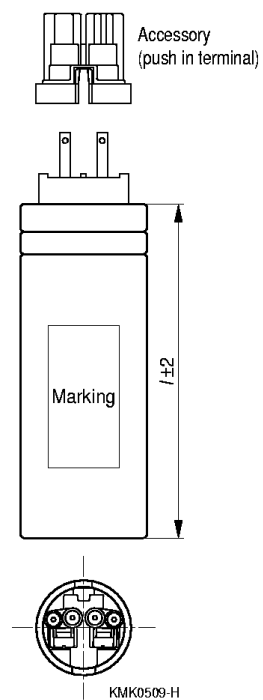
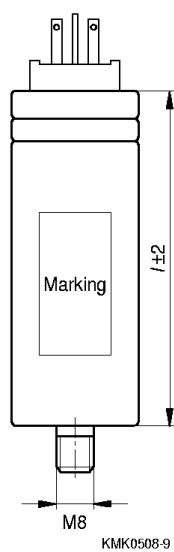
Technical data (cont'd)**Climatic data**

| | |
|------------------------------------|---|
| 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_{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 μF | 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 |
| | 45 | 40 x 103 | A1456-+0*0 | 45 |
| | 50 | 45 x 103 | A1506-+0*0 | 45 |
| | 60 | 45 x 103 | A1606-+0*0 | 45 |
| 450 | 2 | 30 X 68 | A6205-+0*0 | 112 |
| | 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 $\leq \phi 53\text{mm}$.

Note- Push-in terminal available only upto 30 μF in 250 V.

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

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