Lighting

Construction

- Dielectric: polypropylene film
- Aluminium can
- Soft polyurethan resin
- Internal dischage resistor
- Overpressure disconnector

Features

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

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 µF
Tolerance	± 5%, ±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 tanδ at 20 °C	≤ 1,0 x10^{-3} (120 Hz)
Maximum rate of voltage rise du/dt_{max}	10 V/µs

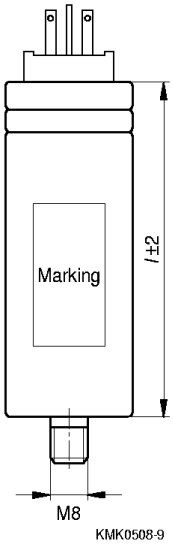
Technical data (cont`d)

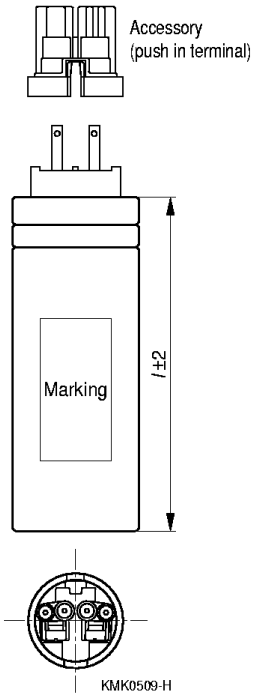
Climatic data	
Climatic category	25/085/21 in accordance with IEC 60068-1
Lower category T_{min}	-25 °C
Upper category T_{max}	+85 °C
Damp heat test t_{test}	21 days
Permitted capacitance $\Delta C/C$	≤ 3 %

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 siginificant 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* x *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 ≤ ϕ 53mm.

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

2) Replace + for capacitance tolerance: - J- ± 5%, K- ± 10%

The information contained in this data sheet describes the type of component and shall not be considered as guaranteed characteristics. Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.