

100 μ F / 500 V
B32362-C5107-J000
CHARACTERISTICS

Rated Capacitance C_N	100 μ F \pm 5%
Rated Voltage DC U_{RDC} / U_N	700 V
Rated Voltage AC U_{RAC} / U_{RMS} sinusoidal	500 V
Rated Frequency	50 / 60 Hz
Reactive power at 40 °C	16 kvar
Leakage Current	30 μ A max.

MAXIMUM RATINGS

Max. Fundamental Freq. Current	20 A
Max. Total RMS Current w/ Harmonics	30 A
dv/dt	30 V / μ s
Transient Inrush Current max.	100 x I_{RAC}
Maximum Fault Current as per UL810	10 000 A

TEST DATA

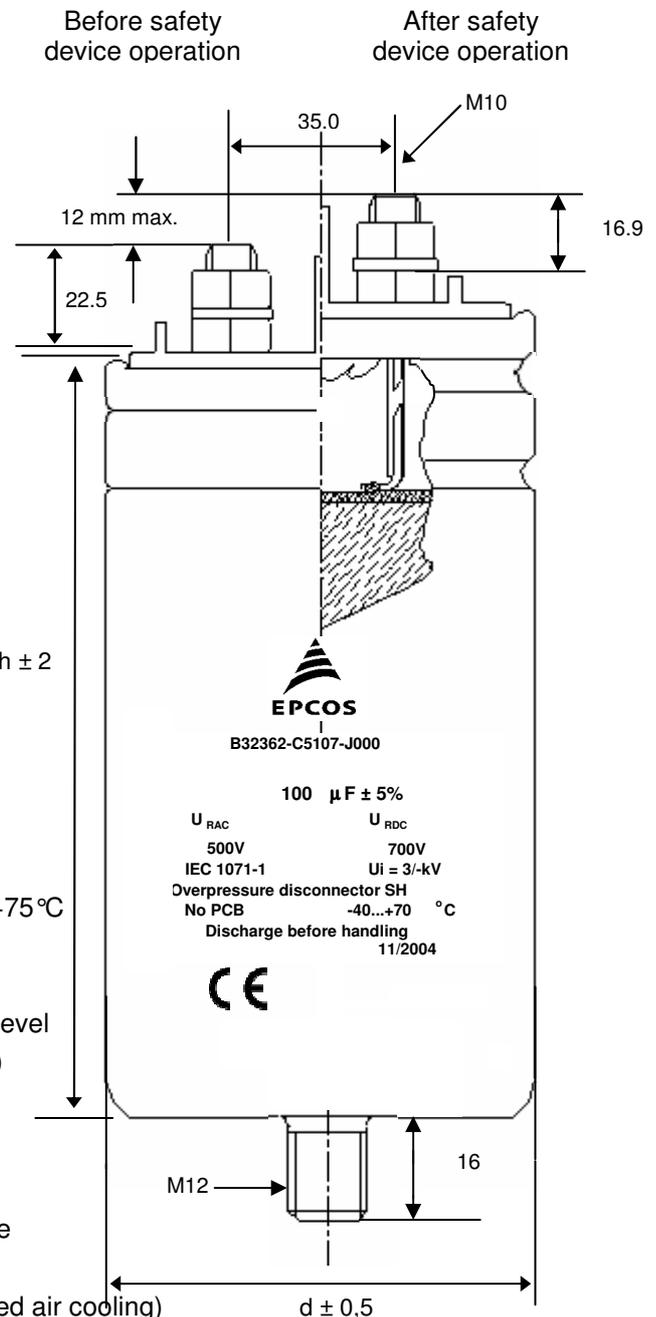
Voltage between terminals U_{TT}	1.35 x U_{RAC} , 2 s	
Voltage terminals - aluminum can U_{TC}	3500 Vac, 1 s	
Dissipation factor $\tan\delta$ at (50 Hz)	$\leq 6.0 \times 10^{-4}$	$h \pm 2$
Life test: IEC 1071-2		
Life at Rated Voltage, 24 A sinusoidal,		
Rated Case Temp. (94% survival)	60 000 hours	
Max. Cap. Change at 50 °C $ \Delta C/C $	3%	

Climatic category: -40/85/21

Storage Temperature	$T_{min} : -40^\circ\text{C}, T_{max} : +75^\circ\text{C}$
Op. Ambient Temp. with natural cooling	-40 °C/+70 °C
Permissible max. humidity	95%
Max. permissible altitude	2000 m above sea level
Dielectric Fluid Flash Point	N. A. (no diel. Fluid)

General Data

Dimension d x h:	75 X 197 mm
Weight	1.2 kg
Resin filling	Non PCB, Soft Polyurethane
Mounting and grounding	M12 stud
Cooling	Naturally air-cooled (or forced air cooling)
Safety device	Overpressure disconnecter, self-healing technology
Cooling	Naturally air-cooled (or forced air cooling)
Degree of protection	Indoor mounting
Terminals	M10 screws
Reference standards	IEC 1071



© EPCOS AG 2000. All Rights reserved. Reproduction, publication and dissemination of this data sheet, enclosures hereto and the information contained therein without EPCOS' prior express consent is prohibited.

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.