

DUCATI energia	CAPACITOR for AC use	C = 30 μ F 450 Ueff
S.p.A		Part. Number : 416.42.3044 Ed. B (27/07/2011)

CHARACTERISTICS

Rated Capacitance	30	μ F
Capacitance Tolerance	$\pm 5\%$	
Rated rms Voltage (Urms)	450	V
Rated rms current (@ 60Hz)	5,1	A
Rated DC Voltage	680	V
Series resistance (Rs)	< 20	mOhm
Typical tan δ (10^{-4})	3,5	@ 60Hz
Self-inductance	<200	nH

Dry metallized polypropylene capacitors.
The case is made of aluminium.
The capacitive element is enclosed in an insulated can completely sealed.
The cap is made of a thermoplastic elastomer material.

MAXIMUM RATINGS

Over voltage	1,1xUrms	8h/day
Voltage rate of rise (dV/dt)	60	V/ μ s
Maximum Current (Imax)	12	A
Peak current (Ipk) - cw -	18	A
Maximum surge current (Is)	1,9	KA
Non recurrent surge voltage (Us)	1600	Vdc

TEST DATA

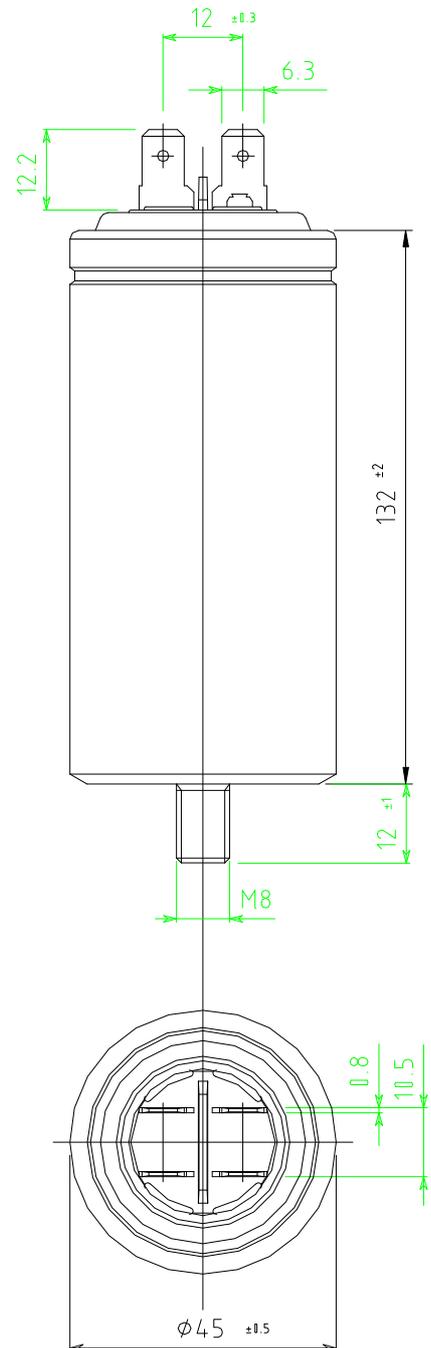
AC Test voltage terminal to terminal	960	V x 10s
AC test voltage terminal to case	3000	V x 10s

CLIMATIC CATEGORY

Min.limit temperature (To min)	-25	$^{\circ}$ C
Max limit temperature (To max)	+70	$^{\circ}$ C
Storage temperature	-40 +85	$^{\circ}$ C

Failure quota	300/10E9
Expected life (Ln) (@ 450V – 60 $^{\circ}$ C)	30.000h

Humidity category	in accord. with DIN 40040	F
Insulating	in accord. with UL 840	
Vibration resistance	in accord. with EIA STAND. RS-186-7E	

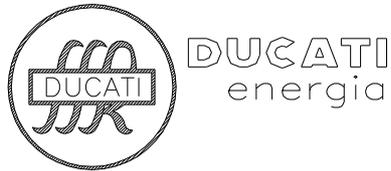


Total elongation is about 15 mm after the overpressure disconnecter release.
Don't use rigid connections.

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RATING Label example:

16423044



30^{416.26.88..} _{μ F} $\pm 5\%$

450V \sim 30000h/cl.A
500V \sim 3000h/cl.C
-25/85/21 P2



EN 60252-1

440V_{AC} 50-60Hz
-25/70°C 10000AFC 
PROTECTED
CSA C22.2 N°.190-M1985
Tamb.max 46°C