

DUCATI energia	CAPACITOR for	C = 200 μ F 250 Vac / 490 Vdc
S.p.A	POWER ELECTRONIC	Part. Number: 416.84.2520
	- GENERAL PURPOSE APPLICATIONS -	

CHARACTERISTICS

Rated Capacitance	200	μ F
Capacitance Tolerance	$\pm 5\%$	
Rated AC Voltage (Urms)	250	V
Rated DC Voltage (Un)	490	V
Maximum Current (Imax) @ θ_{MAX}	38	A
Self-inductance	< 180	NH
Series resistance (R _S)	< 8	M Ω
Typical tan d (10E-4)	5,5	(Measure @ 50Hz)
Thermal resistance natural cooling (R _{THN})	1,8	$^{\circ}$ C/W

Filler material	Polyurethane Resin
Dielectric	PPM Film
Over pressure safety device	
Aluminium case	
Weight	≤ 600 g

MAXIMUM RATINGS

Over voltage	1.1 Un	8hours/day
Non-recurrent surge voltage (Us)	950	V
Maximum peak current (I _{PK})	57	A
Max. Voltage raise of rise (dV/dt)	40	V/ μ s
Maximum surge current (Is)	12	KA

TEST DATA

DC Test voltage terminal to terminal	1,5xUn x 10s	Vdc
AC test voltage terminal to case	3kVx 10 s	Vac 50Hz

CLIMATIC CATEGORY

Min.operating temperature (θ_{MIN})	-25	$^{\circ}$ C
Max. operating temperature (θ_{MAX})	+70	$^{\circ}$ C
Storage temperature	-40 +85	$^{\circ}$ C
Altitude maximum	2000m	a.s.l.

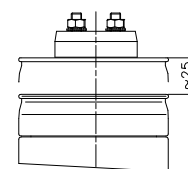
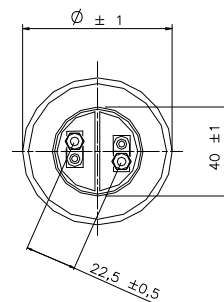
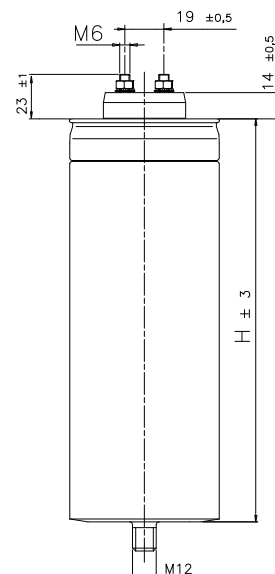
Failure quota	300/10E9
Expected life (Ln)	100.000 h @ 250Vac / 50Hz

Humidity category	In accord. with DIN 40040	F
Insulating	In accord. with UL 810 / UL 840	
Vibration resistance	In accord. with EIA STAND. RS-186-7E	

STANDARDS

EN 61071-1/2
UL - CSA approval [File No. E102953]

Total elongation is about 25 mm after the overpressure disconnecter release.
Don't use rigid connections.



Dimensioni con sistema antiscoppio attivato
Dimension with overpressure device activated

Ø [mm]	H [mm]
65 ± 1	165 ± 3

Maximum Fixing Torque for M6 terminals	3 [Nm]
Fixing Stud	M12

Release	Date	Description	Technician
-	04/07/2007	First issue	A. G.
A	10/01/2010	Update UL File number	A. G.