

DUCATI energia	CAPACITOR for	C = 200µF 330 Vac / 600Vdc
S.p.A	POWER ELECTRONIC	Part. Number: 416.74.7054

CHARACTERISTICS

Rated Capacitance	200	µF
Capacitance Tolerance	±5%	
Rated AC Voltage (Urms)	330	V
Rated DC Voltage (Un)	600	V
Max. Current (Imax) @ 50°C T _{amb}	40	A
Self-inductance	< 200	nH
Equivalent series resistance (R _{ESR})	< 2.0	mΩ
Typical tan d (10E-4)	7.5	(Measure @ 50Hz)
Thermal resistance natural cooling (R _{THN})	1.3	°C/W

Filler material	Polyurethane Resin, No PCB
Dielectric	PPM Film
Over pressure safety device, self healing technology	
Aluminium case, plastic cover – Indoor mounting, M12 Fixing Stud	
Weight	≤ 900 g

MAXIMUM RATINGS

Over voltage	1.1 Un	8hours/day
Non-recurrent surge voltage (Us)	1150	V
Maximum peak current (I _{PK})	3.0	kA
Max. Voltage raise of rise (dV/dt)	15	V/µs
Maximum surge current (Is)	10.0	KA
Max .Fixing Torque for terminals*	6	Nm

To avoid breaking, complete the tightening of the nuts using two wrenches.

TEST DATA

AC Test voltage terminal to terminal	2.15xUrms	x2s
AC test voltage terminal to case	3.5kVx 50Hz	X10s

CLIMATIC CATEGORY

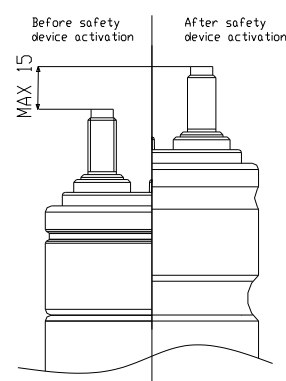
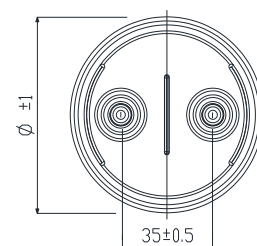
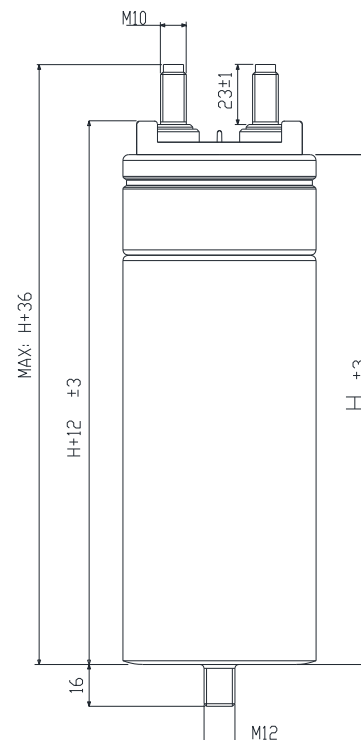
Min.operating temperature (θ _{MIN})	-40	°C
Max. operating temperature (θ _{MAX})	+70	°C
Storage temperature	-40 +85	°C
Altitude maximum	2000m	a.s.l.

Failure quota	300/10E9
Expected life (Ln) – IEC 1071/ 2	75.000 h @ 330Vac / 50Hz
Expected life (Ln) – IEC 1071/ 2	>100.000 h @ 250Vac / 50Hz

STANDARDS

According to: EN 61071-1/2

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



Dimension:

Ø = 75 mm

H = 180 mm

Release	Date	Description	Technician
-	06/03/12	First issue	A. G.
A	29/03/12	Deleted page 2	A. G.
B	30/03/12	Added Expected life @ 250V	A. G.
C	08/01/24	Updated drawing	E. P.