DUCATI energia	CAPACITOR for	C = XXµF 525 Vac
S.p.A	POWER ELECTRONIC	Part. Number : 4.16.74.607x

CHARACTERISTICS

Rated Capacitance	*See table below*	
Capacitance Tolerance	± 10%	
Rated AC Voltage (Un)	525	Vac
Rated DC Voltage (Un)	940	Vdc
Frequency	50 / 60 Hz	Hz
Maximum Current (Imax)	*See table below*	
Self-inductance	< 250	nH
tan d (10E-4)	< 7	(50Hz)
Insulation Resistance (IR)	RC ≥ 3000 s	DIN 41180
Impregnant	Dry solution	
Dielectric	PPM Film	
Over pressure safety device		
Aluminium case		
Weight	< 1200	g

MAXIMUM RATINGS

Over voltage	1.1 Un	8h/day
Voltage raise of rise (dV/dt)	150 V/µs	V/µs
Peak current (periodic) (Ipk)	*See table 1 below*	

TEST DATA

DC Test voltage terminal to terminal	1,75 x Un (10 s)	Vdc
AC test voltage terminal to case	3 kVac – 50Hz (10 s)	Vac

CLIMATIC CATEGORY

Min.limit temperature (ambient)	-25	°C
Max limit temperature (ambient)	+70	°C
Max limit temperature (case)	+85	°C
Storage temperature	-40 +85	°C
Altitude maximum	2000m	a.s.l.

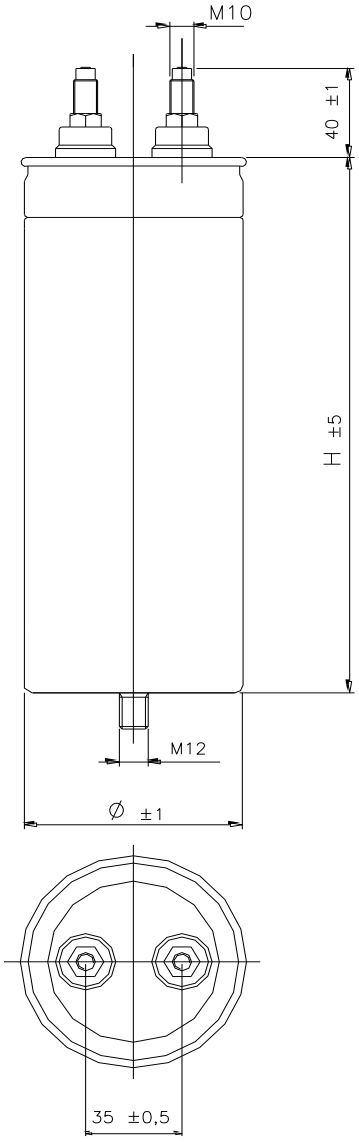
Failure quota	300/10E9	
Expected life (Ln)	70.000 h	@ Un / 50Hz

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 30 mm after the overpressure disconnector release. Don't use rigid connections.

Release	Date	Description	Technician
-	21/10/10	First issue	A. Govoni
A	06/12/18	Added Rs – Rth value	A. Govoni

DUCATI energia	CAPACITOR for	C = XXµF 525 Vac
S.p.A	POWER ELECTRONIC	Part. Number : 4.16.74.607x



SCREW	Maximum Fixing Torque
M10 screw terminals	**6** [Nm]*
M12 *Fixing Stud*	**8** [Nm]

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

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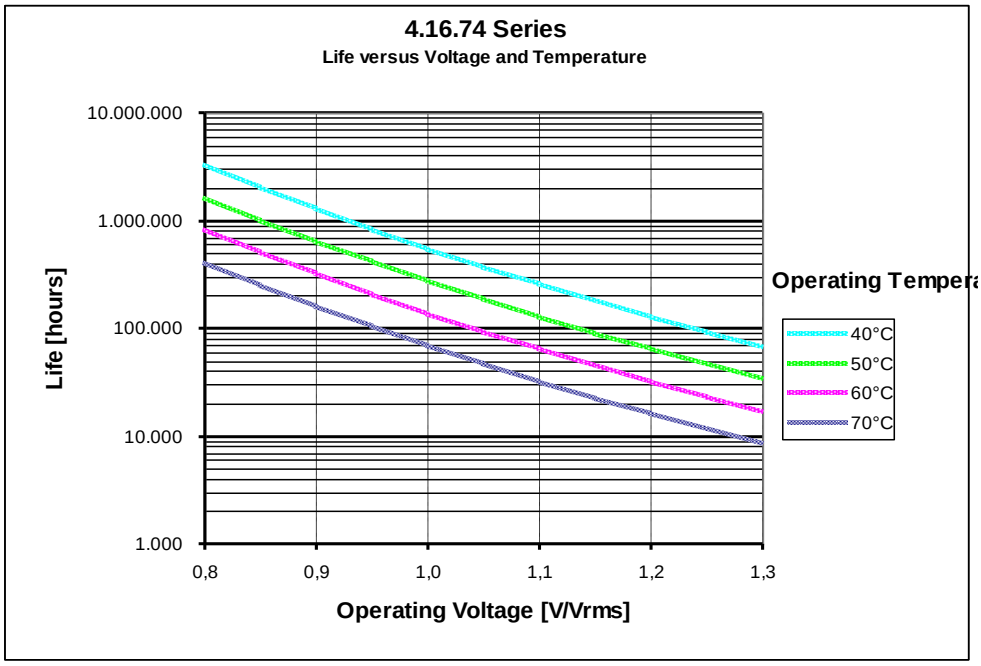
DUCATI energia	CAPACITOR for	C = XXµF 525 Vac
S.p.A	POWER ELECTRONIC	Part. Number : 4.16.74.607x

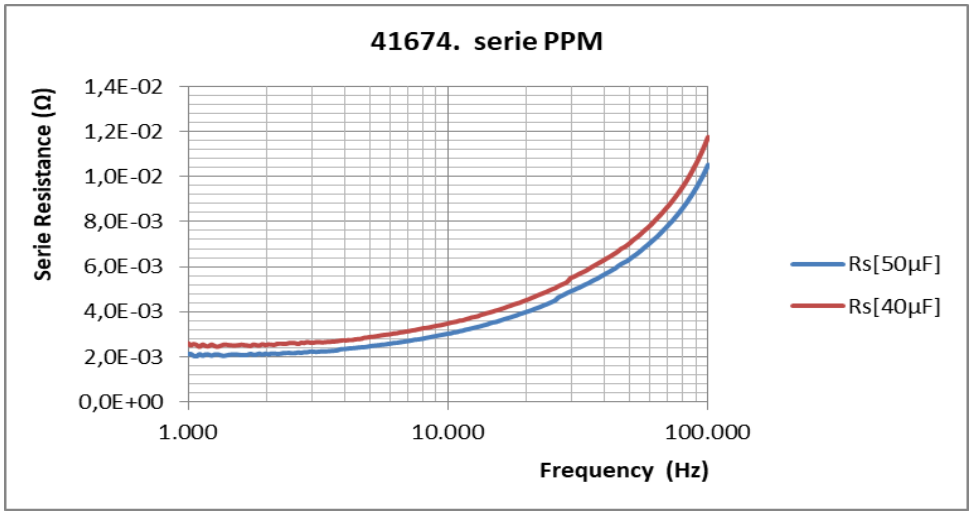
TABLE 1

C [µF] XX	Ducati Part number **4.16.74.607x**	Φ (mm) ± 1	H (mm) ± 5	Imax [A]	Qn max [KVAr]	Ipk [kA]	Rs [mΩ]	Rth [°C/W]
66,6	**2**	90	180	35	18	10	1.7	1.4
50	**0**	90	120	55	29	7,5	2.1	1.8
40	**1**	85	120	45	24	6	2.6	2.0

EXPECTED LIFE:



SERIE RESISTANCE:



Release	Date	Description	Technician
-	21/10/10	First issue	A. Govoni
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