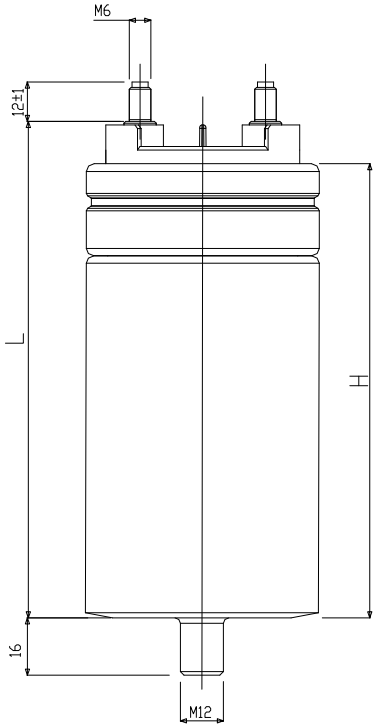
DUCATI energia	CAPACITOR for POWER ELECTRONIC - GENERAL PURPOSE APPLICATIONS -	**GP84** Cn = 50µF Urms= 250 V Part. Number: **416.84.2108**

CHARACTERISTICS

Rated Capacitance	50	µF
Capacitance Tolerance	±5%	
Rated AC Voltage (Urms)	250	V
Rated AC Voltage (Un ac)	350	V
Rated DC Voltage (Un)	600	V
Maximum Current (Imax) @ 50°C	30	A
Self-inductance	< 130	nH
Series resistance (R_S)	< 4	mΩ
Typical tan d (10E-4)	4,5	(Measure @ 50Hz)
Thermal resistance natural cooling (R_{THN})	3,0	°C/W
Filler material	Polyurethane Resin	
Dielectric	PPM Film	
Over pressure safety device		
Aluminium case		
Weight	≤ 300	g

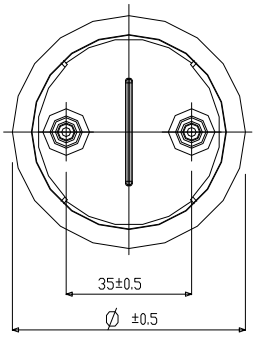


MAXIMUM RATINGS

Over voltage	1.1 Un	8hours/day
Non-recurrent surge voltage (Us)	950	V
Maximum peak current (I_{PK})	1.5	kA
Max. Voltage raise of rise (dV/dt)	100	V/µs
Maximum surge current (Is)	5.0	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	°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)	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	

Ø [mm]	L [mm]	H [mm]
65 ± 0.5	86 ± 2	70 ± 2

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

STANDARDS

EN 61071-1/2
UL810 - Overpressure disconnector
UL approved 10K AFC - file nr. E102953

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

Release	Date	Description	Technician
-	15/09/11	First issue	A. G.
A	22/7/15	Added UL approval file	A. G.