

**Condensatori per
Elettronica di Potenza**

**Power Electronics
Capacitors**

SERIES 416.84 – NOW UL APPROVED



DUCATI energia produce da oltre 75 anni condensatori all'avanguardia nei più svariati campi di applicazione, tra cui il rifasamento industriale. Seguendo questa tradizione, i continui investimenti nella ricerca e sviluppo di nuovi prodotti rappresentano il fulcro della politica aziendale.

Da questa filosofia nasce la nuova linea di condensatori **416.84**.

Grazie all'innovazione tecnologica del polipropilene metallizzato auto-rigenerante impiegato in questa gamma di condensatori si raggiunge la potenza di **600uF** in un solo elemento di dimensioni molto compatte con una vita attesa di gran lunga superiore ai migliori standard attuali.

Nei nuovi condensatori **SERIE 416.84** si raggiunge una vita attesa di oltre **150.000 ore** e una riduzione delle dimensioni fino al 40% rispetto alle tecnologie finora utilizzate.

Since more than 75 years, **DUCATI energia** is a leading company in production of capacitors for several fields of application, among the others the power factor correction. Following this tradition, continuous investments in research and development of new products have represented the hinge of our company policy.

The result of this philosophy is the new range of capacitors **416.84**.

Thanks to the technological innovation of self-healing metallized polypropylene, we achieved the power of **600uFR** in just one element with very compact dimensions and a much higher life expectancy in comparison with the actual one.

These new capacitors **SERIE 416.84** reach an expected life of more than **150,000 hours** and a size reduction up to 40% against the technologies so far applied.

NEW SERIES 416.84 vs SERIES 416.74

- Dimensions	Reduction 40%
- Current RMS	Increase 30%
- Max inrush current In	Increase 50%
- Voltage rise of time (dV/dt)	Increase 50%
- Expected life	Increase 50% at same condition



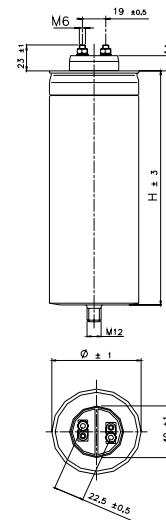
SERIES 416.84

New Single-phase Power Capacitors 416.84 series	Applications
<ul style="list-style-type: none"> - Cylindrical aluminium case - Self healing MKP dielectric with high performances (PPMh) - 2 x M6 or M10 bolt terminals - Over pressure device - 600uF in a single element - Standards IEC 61071-1/2 - UL approval in progress 	<ul style="list-style-type: none"> - UPS - Inverters - Harmonic filters - Switching

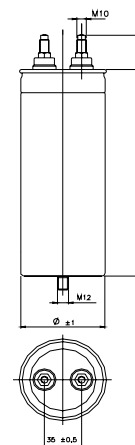
Capacitors range and dimensions

Capacitance [uF]	Dimensions		I _{rms} [A]	Technical solution
	D [mm]	H [mm]		
V_{rms}=250V V_{dc}=490V				
60	55	115	14	A
100	55	115	18	A
150	55	150	25	A
200	65	150	36	A
250	65	165	38	A
300	75	180	40	B
400	85	180	45	B
500	85	180	75	B
600	90	220	80	B
V_{rms}=330V V_{dc}=600V				
50	55	115	18	A
100	55	150	28	A
150	65	150	34	A
200	75	180	40	B
250	75	180	42	B
300	85	180	45	B
400	90	220	75	B
450	85	290	80	B
V_{rms}=450V V_{dc}=825V				
20	55	115	16	A
50	55	150	20	A
80	65	150	28	A
100	75	180	25	B
150	85	180	42	B
200	90	220	70	B
250	85	290	75	B
300	90	290	80	B

Capacitance [uF]	Dimensions		I _{rms} [A]	Technical solution
	D [mm]	H [mm]		
V_{rms}=525V V_{dc}=940V				
20	55	115	18	A
30	55	150	20	A
50	60	150	26	A
80	75	180	30	B
100	75	180	38	B
150	85	220	65	B
200	85	290	73	B
250	90	290	78	B
300	100	290	85	B
V_{rms}=690V V_{dc}=1350V				
10	55	150	18	A
20	65	150	20	A
30	65	165	25	A
50	75	180	25	B
80	85	210	34	B
100	100	210	38	B
120	90	280	40	B
150	100	280	45	B
V_{rms}=930V V_{dc}=1700V				
5	55	150	15	A
10	55	150	18	A
20	65	165	20	A
30	75	180	24	B
50	85	210	30	B
70	100	210	38	B
80	90	280	42	B
100	100	280	45	B



A solution



B solution