



# DUCATI energia

## Condensatori di potenza

## Power Capacitors

### MONO16 - MODULO50



**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 **MONO16** e **MODULO50**.

Grazie all'innovazione tecnologica del polipropilene metallizzato auto-rigenerante impiegato in questa gamma di condensatori si raggiunge la potenza di **50 kVAR** in un solo elemento trifase di dimensioni molto compatte con una vita attesa di gran lunga superiore ai migliori standard attuali.

Nei nuovi condensatori **MONO16** e **MODULO50** 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 **MONO16** and **MODULO50**.*

*Thanks to the technological innovation of self-healing metallized polypropylene, we achieved the rated power of **50 kVAR** in just one 3-phase element with very compact dimensions and a much higher life expectancy in comparison with the actual one.*

*These new capacitors **MONO16** and **MODULO50** reach an expected life of more than **150,000 hours** and a size reduction up to 40% against the technologies so far applied.*

**MORE POWER UP TO 50 kVAR IN ONLY 116 x 300 mm**

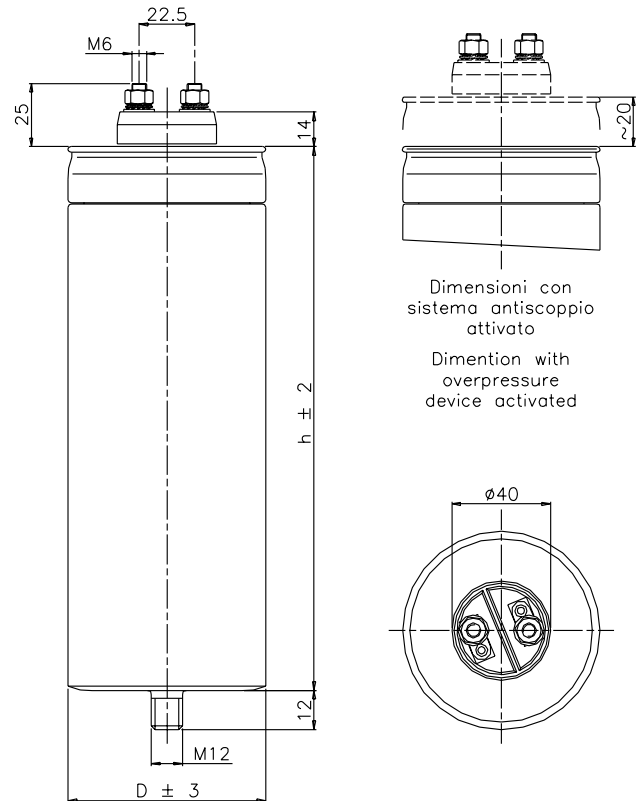
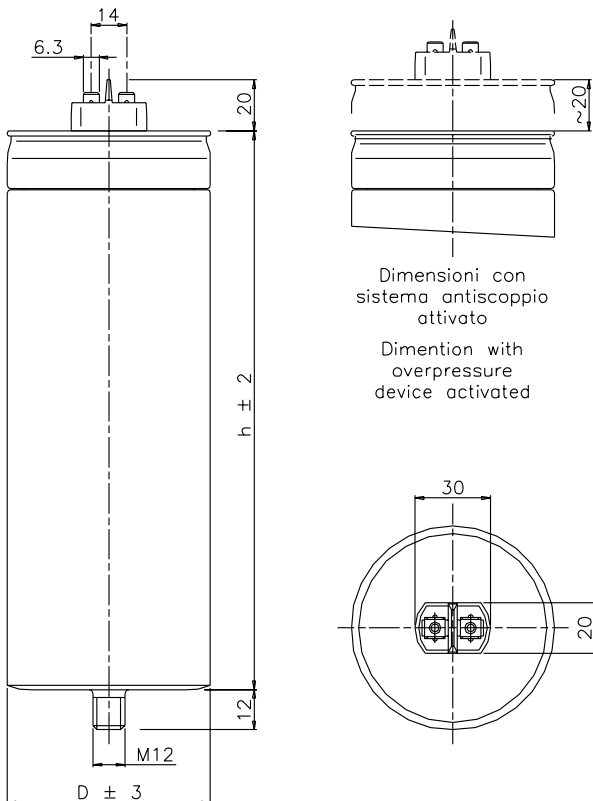


## Condensatori Monofase Rifasamento Industriale

## Single-phase Capacitors Power Factor Correction

### MONO16

New Single-phase Power Capacitors MONO16 series		Applications
<ul style="list-style-type: none"> <li>- Cylindrical aluminium case</li> <li>- Self healing MKP dielectric (oil impregnated)</li> <li>- 2 x faston terminals (2 x M6 bolt terminals over 6.66 kVAR)</li> <li>- Over pressure device</li> <li>- IP 54 with terminal cover (optional)</li> <li>- Single-phase maximum power 16.67 kVAR</li> <li>- Standards IEC 831-1/2</li> </ul>		<ul style="list-style-type: none"> <li>- Automatic PFC</li> <li>- Fixed PFC</li> <li>- Harmonic filters</li> </ul>
AC voltage (V - Hz)	Power (kVAR)	Dimensions (mm)
400 V - 50 Hz	1.67	45 x 85
415 V - 50 Hz	2.50	50 x 100
450 V - 50 Hz	3.33	55 x 100
525 V - 50 Hz	4.17	50 x 135
	5.00	50 x 135
	6.66	60 x 135
	8.33	65 x 135
	10.00	75 x 155
	13.33	85 x 155
	16.67	85 x 155



1.67 - 6.66 kVAR models

8.33 - 16.67 kVAR models

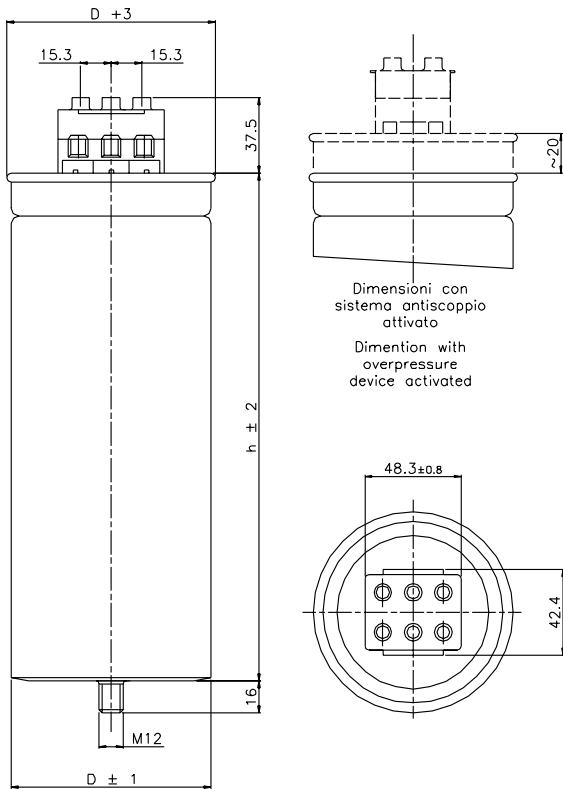


## Condensatori Trifase Rifasamento Industriale

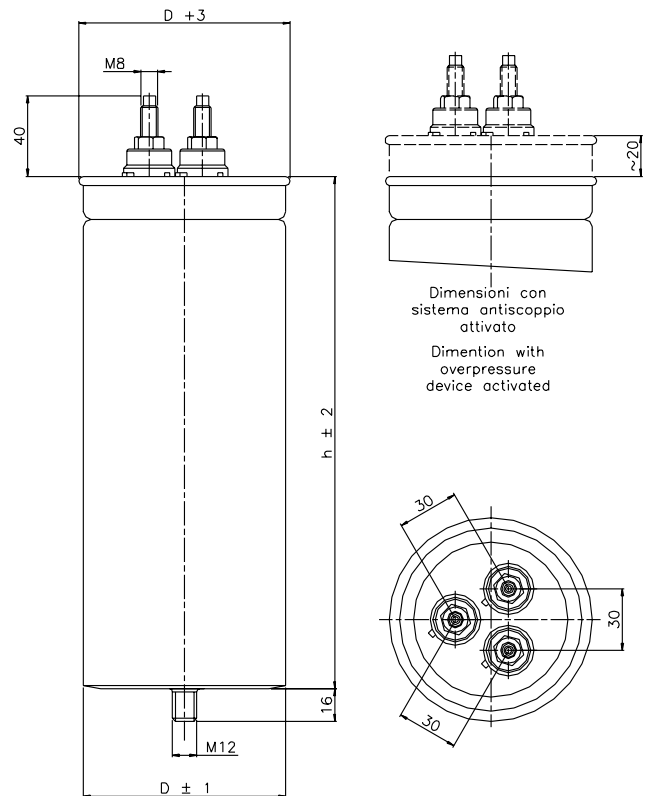
## Three-phase Capacitors Power Factor Correction

### MODULO50

New Three-phase Power Capacitors MODULO50 series		Applications
<ul style="list-style-type: none"> <li>- Cylindrical aluminium case</li> <li>- Self healing MKP dielectric (oil impregnated)</li> <li>- 3 x screw terminals (3 x M10 bolt terminals over 35 kVAR)</li> <li>- Over pressure device</li> <li>- IP 54 with terminal cover (optional)</li> <li>- Three-phase maximum power 50 kVAR</li> <li>- Standards IEC 831-1/2</li> </ul>		<ul style="list-style-type: none"> <li>- Automatic PFC</li> <li>- Fixed PFC</li> <li>- Harmonic filters</li> </ul>
AC voltage (V - Hz)	Power (kVAR)	Dimensions (mm)
400 V - 50 Hz	5	65 x 200
415 V - 50 Hz	7.5	75 x 200
450 V - 50 Hz	10	75 x 200
525 V - 50 Hz	12.5	75 x 200
690 V - 50 Hz	15	85 x 200
	20	90 x 200
	25	100 x 200
	30	100 x 240
	40	116 x 300
	50	116 x 300



5 - 35 kVAR models



40 - 50 kVAR models



**Nuova Tecnologia**  
**Rifasamento Industriale**

**New Technology**  
**Power Factor Correction**

## NEW TECHNOLOGY FEATURES

- Comparison with standard technology
- Dielectric losses
- Over-heating
- Over-current loading
- Inrush current withstand capability
- Voltage rise of time (dV/dt)
- Expected life

- 40% size reduction
- < 0.2 W/kVAR
- < 6 °C
- 2 In
- 200 In
- 100 V/μs
- 150,000 h (Class -25/C)
- 130,000 h (Class -25/D)

## GENERAL CHARACTERISTICS

- Technology
- Protection
- Rated frequency
- Capacitance tolerance
- Discharge resistor (only three-phase models)
- Altitude
- Temperature class
- Reference standards
- AC test voltage between terminals
- AC test voltage between terminals and case

- Self-healing MKP dielectric (oil impregnated)
- Over pressure device
- 50/60 Hz
- 5/+10%
- < 50 V after 60"
- < 2000 m (a.s.l.)
- 25/D (MAX +55°C)
- IEC 831-1/2
- 2.15 Un x 2"
- 3 kV x 10" (Un < 660 V)
- 6 kV x 10" (Un > 660 V)

**MORE POWER**  
UP TO  
**50 kVAR**  
IN ONLY  
**116 x 300 mm**