

Electrotek Filtered Automatic Unit

Capacitor Specification

Manufactured by	Vishay Electronic GmbH (Roederstein), Germany
Voltage Ratings	240 - 999 V
Maximum kVAr per 3 phase casing (60 Hz)	13.6 kVAr @ 208V (rated 16.3 kVAr @ 240V) 25.0 kVAr @ 480V (rated 30.0 kVAr @ 525V) 25.0 kVAr @ 600V (rated 33.0 kVAr @ 690V) 10.0 kVAr @ 600V (rated 28.0 kVAr @ 999V)
Specifications	UL and cUL, CSA CAN3-C155-M84 (1986), CSA C22.2 No. 190-M1985, IEC Publication 831-1, 831-2, VDE 560-47, 560-47, EN60831-1, EN60831-2
Insulation (wet and dry options)	wet, 'Ro' series: non-PCB, natural oil impregnant, flash / ignition points 285/315°C dry, 'Rg' series: non-PCB, dry / gas agent 'Ro' and 'Rg' series are both biodegradable and non-toxic.
Electrodes	vacuum-metallized on one side of the plastic film
Ambient Temperature	-40°C to +45°C; storage temperature -40°C to +60°C
Inrush Current	maximum 300 times rated current
Loading Capacity	1.10 times rated voltage, 1.30 times rated current, 1.50 times rated output
Frequency Ratings	50 or 60 Hz
Capacitor Casing	seamless aluminum
Losses	≤ 0.25 Watts per kVAr
Discharge Resistors	50V or less in one minute after disconnection of supply voltage
Dielectric	polypropylene film
Safety Features	self-healing over pressure tear-off fuse / pressure sensitive circuit interrupter / internally fused up to 10kAIC, grounding / mounting stud at base of capacitor for easy mounting / replacement
Special Applications	designed for use in harmonic filters

Assembly Specification

	Electrotek Filtered Automatic Unit
Complete with:	iron core 3 phase reactors for harmonic contaminated environments
	IEC rated contactors, HRC fusing & inrush current limiters
	ventilation kit to maximum ambient 35C
	digital microprocess controller, split core CT, NEMA 1 ASA61 grey enclosure



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Available Options	Electrotek Filtered Automatic Unit
	blown fuse indicators
	LED current and / or status indicators
	disconnect device
	custom enclosures for dimension restrictions
	NEMA 2, 3R, 4, 4X or 12 enclosures
	custom enclosure paint options