RVM2A - RVM25

100kVAr

Semiautomatic power factor correction system for the power compensation of big electric motors or important loads. It is made of painted RAL 7035 metallic sheets with door-switch. Protection fuses for the battery and capacitors that could either single phase or three-phase. Contactor for the insertion of the capacitors with discharge resistors for limiting the insertion current, timer for limiting the insertion time (on demand). Signal lights for power supply and state of the fuse. Indoor wall mounting with cable entry from the top

TECHNICAL DATA					AGG. 16-01-2015 1.0
Power		effective kVAr 400V	kVAr 450V	effective kVAr 400V	kVAr 440V
		79	100	83	100
Degree of protection	IP	30 (54 on demand)			
Power supply	V	400 (other voltage on demand)			
Rated frequency, ± 1Hz	Hz	50			
Auxiliary circuits	V	400 (110V 230V on demand)			
Environmental temperature min-max	°C	-15°C ÷ +35°C			
Dimensions H x L x P	mm	700 x 420 x 260			
Ventilation	_	natural			
Fuse for battery protection	_	NH00 type category gG			
CAPACITOR DATA		RVM2A…..		RVM25…..	
Capacitor	_	ST three phase		AT three-phase	
Capacitors' rated voltage	V	450 (415-500-550 on demand)		440 (on demand 415V up to 800V)	
Dielectric losses	W/kVAr	≤0,4		≤0,2	
Temperature Class	_	-25D		-40D	
Maximum In rush current	A	200xIn		400xIn	
Maximum over-current	A	4 x In		1,5 ÷ 2 x In	
Maximum THDI allowed on the net(r) on the capacitors (c)	%	r/c 25/70		r/c 20/70	
Statistical life expectancy	h	110.000 (-25/C) 130.000 (-25/D)		150.000 (-40/D)	
Altitude max	m	≤ 2000 on sea level		≤ 4.000 on sea level	
Dielectric system	_	MKP reinforced metallic polypropylene film		MKP reinforced metallic polypropylene film	
Impregnation	_	Dry resin		N2 Nitrogen gas	
Discharge resistor	_	50V - 60 s		50V - 60s	
Capacitor protection	_	Overpressure device		Overpressure device	
Standard accomplished	_	CEI EN 61921, CEI EN 60439-1, CEI EN 60831-1			