



RVT1A - RVT15

from 5 to 75 kVAr

Fixed power factor correction system for compensation of a Medium Voltage transformer working without load. Made of painted RAL 7035 metal sheet carpentry, with door switch, protection fuses for the three-phase capacitor battery. Warning lights for power supply and fuse condition. Wall mounted installation with cable entry from the top.

TECHNICAL DATA		AGG. 16-01-2015 1.0			
		effective kVAr 400V	kVAr 450V	effective kVAr 400V	kVAr 440V
Power		4	5		
		7,9	10		
		9,9	12,5		
		11,9	15	4,2	5
		15,8	20	11	12,5
		19,8	25	21	25
		23,7	30	31	37,5
		29,6	37,5	43	50
		31,6	40	52	62,5
		39,5	50	64	75
		49,4	62,5		
		59,3	75		
Degree of protection	IP	30 (54 on demand)			
Power supply	V	400 (other voltage on demand)			
Rated frequency, \pm 1Hz	Hz	50			
Auxiliary circuits	V	400 (110V 230V on demand)			
Environmental temperature min-max	$^{\circ}$ C	-15 $^{\circ}$ C \div +35 $^{\circ}$ C			
Dimensions H x L x P	mm	440 x 420 x 285			
Ventilation	-	natural			
Fuse for battery protection	-	NH00 type category gG			
CAPACITOR DATA		RVT1A.....	RVT15.....		
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	\leq 0,4	\leq 0,2		
Temperature Class	-	-25D	-40D		
Maximum In rush current	A	100xIn	400xIn		
Maximum over-current	A	4 x In	1,5 \div 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	130.000 (-25/D)	150.000 (-40/D)		
Altitude max	m	\leq 2000 on sea level	\leq 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			