



RVT1R - RVT16

from 5 to 12,5 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. Detune reactors, tune frequency 189 Hz. Wall mounted installation 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
		4,3 11	5 12,5	4,5 12	5 12,5
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	440 x 420 x 285			
Ventilation	—	natural			
Fuse for battery protection	—	NH00 type category gG			
DETUNE REACTORS					
Tuning frequency	Hz	189			
Detuning factor	%	7			
Thermal Class	—	F			
Overheating protection	—	NC Thermistor			
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 and 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)	%	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			