

Code: **ECB038045B**

Automatic power factor correction equipment ECB model, with colour RAL 7035 at bent. The system is equipped with circuit breaker, microprocessor RDM 4 Base controller with 4 outputs, alarms for current (maximum and minimum), voltage (range + 10-15%) over compensation and undercompensation. Contactors for capacitors with insertion resistors inrush current limiting with early contact. Batteries composed by Three-phase capacitors.

Facility system helpful to replace capacitors frontally without removing the bank from the wall.

Indoor wall installation with mounting brackets, IP 31.

EQUIPMENT DATA

Reactive Power		kVAr at 400V	Batteries at 400V
		38	4 – 4 – 10 - 20
Degree of protection	IP	31	
Three-phase power supply, Un	V	400	
Rated frequency	Hz	50	
Circuit Breaker	A	80 (Icu - 10 kA)	
Auxiliary circuits voltage	V	400	
Ambient temperature limits min-max	°C	-15°C ÷ +35°C	
Dimensions H x W x D	mm	480x385x335	
Ventilation	—	natural	
Cable entry	—	top	

REGULATOR RDM 4 BASE DATA

N° of regulator batteries	N°	4
Control batteries	—	Manual / Automatic
Alarms	—	Overvoltage, Overcurrent, Over-Undercompensation, THDi%
Display	—	3 + 1 digits 7 led segments
Parameters displayed	—	Voltage, Current, Cos φ, 2-4 quadrants mode
Electrical quantities measured	—	Voltage, Current, Cos φ
Power factor adjustment	—	0,85 ind. – 0,95 cap.
Range primary current trasformer	A	5-10.000
Range of reactive power for each battery	kVAr	0,1 – 6500
Sensivity adjustment	s	5 – 100
Reconnection time	s	5 -240
Range capacitor nominal voltage	V	100 – 1000
Alarm relay	—	no
Absorbed power	VA	3

CAPACITOR DATA

Capacitors installed	—	Three-phase
Capacitors rated voltage	V	450
Dielectric losses	W/kVAr	≤0,2
Temperature class	—	-25D
Inrush current	A	200xIn
Max Overcurrent	A	4 x In
THDI on the net (n) on hte capacitor (c)	%	n/c 25/70
Expected capacitors' life	h	130.000 (-25/C)
Max Altitude	m	≤ 2000 above sea level
Dielectric	—	MKP metalised polypropylene
Impregnation	—	Dry resin
Descarge resistor	—	50V - 60 s
Safety device	—	Overpressure Disconnecter
Standards	—	CEI EN 61921, CEI EN 61439-1 / 2, CEI EN 60831-1