

## Code: **ECB120045B**

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
		120      20 – 20 – 40 - 40
Degree of protection	IP	31
Three-phase power supply, Un	V	400
Rated frequency	Hz	50
Switch breaker with door interlock	A	250 ( I <sub>cw</sub> (1s) - 9 kA)
Auxiliary circuits voltage	V	400
Ambient temperature limits min-max	°C	-15°C ÷ +35°C
Dimensions H x W x D	mm	745x455x365
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 transformer	A	5-10.000
Range of reactive power for each battery	kVAr	0,1 – 6500
Sensitivity 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	200xI <sub>n</sub>
Max Overcurrent	A	4 x I <sub>n</sub>
THDI on the net (n) on the 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
Discharge resistor	–	50V - 60 s
Safety device	–	Overpressure Disconnecter
Standards	–	CEI EN 61921, CEI EN 61439-1 / 2, CEI EN 60831-1