

AUTOMATIC POWER FACTOR CONTROLLER

AUTOMATIC POWER FACTOR CONTROLLER Type Q-AUTOMAT/V MS-6Q & MS-12Q

HAS ENHANCED RELIABILITY DUE TO BUILT-IN MICROPROCESSOR! MAINTAINING HIGH POWER FACTOR TO SAVE ENERGY

FEATURES

1. Capable of automatic control in 6 steps (MS-6Q) or 12 steps (S-12Q).
2. Compact size and enhanced reliability enabled by built-in microprocessor.
3. Capacitor closing and opening time (5~600s/step) can be selected.
4. Capacitor reclosing time (5~240s) can be selected.
5. Four control modes (Manual, Rotation, Automatic and Four-quadrant) can be selected.
6. Capable of indicating power factor, current and total harmonic distortion.
7. Can automatically measure C/K value.
8. Capable of setting target power factor (lag 0.8~lead 0.8).
9. Capable of setting alarms (Voltage, Current and harmonic).



SPECIFICATION

Auxiliary Supply		Control Range	
Supply voltage (L-L)	200~240VAC or 380~415VAC	Power factor setting	0.8 inductive - 0.8 capacitive
Operating limits	-15% + 10%	C/K setting	0.03 - 1.20 / AtC
Consumption	10VA max.	Switching sensitivity	5-600s / step
Frequency	50Hz or 60Hz	Reconnection time for same step	5-240s
Current Input		THD threshold	0.20 - 3.00 (20% - 300%) / OFF
Rated current, I _n	5A	Switching program	Automatic / Automatic Rotate / Manual / Four-quadrant
Operating limits	0.05A - 6.5A	Rated step coefficient	1/2/3/4/5/6/8/12/16
Relay Output		Temperature	
Number of outputs	6/12	Operating temperature	0 ~ +55°C
Contact arrangement	NO contact type	Mechanical	
Rated capacity	5A 250VAC (Cos θ = 1)	Mounting	Panel mounting
Max current for the Common terminals	12A continuous	Dimension (h X w X d)	144mm X 144mm X 91mm
		Approximate weight	1 kg

MODEL

	Model	Step	Supply Voltage (V) (L-L)	Frequency (Hz)
1	MS-6Q-240-50	6	200-240	50
2	MS-6Q-240-60	6		60
3	MS-12Q-240-50	12	200-240	50
4	MS-12Q-240-60	12		60

	Model	Step	Supply Voltage (V) (L-L)	Frequency (Hz)
5	MS-6Q-415-50	6	380-415	50
6	MS-6Q-415-60	6		60
7	MS-12Q-415-50	12	380-415	50
8	MS-12Q-415-60	12		60

DIMENSION (in mm.)

