

Soft Start Motor Controller



■ Function Introduction

- ◆ Time and torsion can be adjusted when starting to make starting smooth.
- ◆ A choice of 3 ways to start possible in one machine; the standard series has slope starting, current-limiting start, kick starting.
- ◆ Use SCR Control: no connecting points, arc light, smooth face or life limiting wear.
- ◆ Wiring easy: Installation of 3 in 3 out, save the cost of hand wiring.
- ◆ This controller has phases and 3 wire SCR to transform control of power.
- ◆ This Controller is Micro-Controller with the function of automatic light/heavy loading revision and turning moment control.
- ◆ Cooling fans has temperature control, the cooling sheet working at 55°C, and stop at 45°C. This design can extend fan life 2-3times.
- ◆ This controller has CT electronic inspection protector: the standard series has protection from overload, loss phase, motor block, over heating, motor running idling(Low Load), high sensitivity, without heating effect, not influenced by surrounding temperature.
- ◆ The machine has 3 sets output connection points: the standard series has output point starting bypass and output point for system abnormal.
- ◆ This starter/starting tool complies with the specification of CE, IEC60947-4-2 standard.

>>> General Characteristic	>>> Reference drawing of
<p>Main Power Voltage: 208/220/380/440/480 VAC±10%</p> <p>Assistance Voltage: 220V±15%</p> <p>Start Way: Dry Contact Point</p> <p>Work Frequency: 50 ~ 60Hz±5%</p> <p>Maximum Peak Voltage: 600V or 1200 ~ 1600V</p> <p>Start Time(Speed Time): 1 ~ 40Sec.</p> <p>Start Torque: 100% ~ 500%</p> <p>Ambient Operating Temperature Range:- 10°C ~ 45°C</p> <p>Relative Humidity: 93%RH without dew</p> <p>Height: Below 1000M</p>	<p>torque and time</p> <p>The diagrams show the following ranges:</p> <ul style="list-style-type: none"> START TORQUE: 100% MIN to 500% MAX START TIME: 1 S MIN to 40 S MAX STOP TIME: 1 S MIN to 40 S MAX

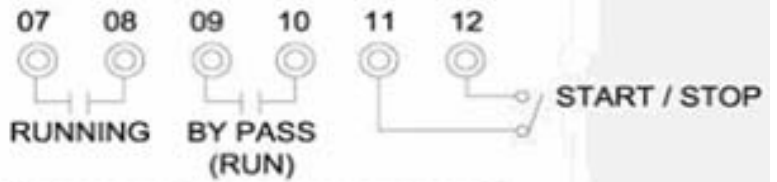
>>>Suitable Range

The Machine needs to be started smoothly, but does not need speed control, e.g.: hoist, compressor, windmill, blower, etc.

>>>Control Way



AC1, AC2 : 220V±15%
OPEN :
NO, COM, NC : 240V / 10A



RUNNING : 240V/10A
BY PASS (RUN) :
START / STOP :

SMC Standard Series

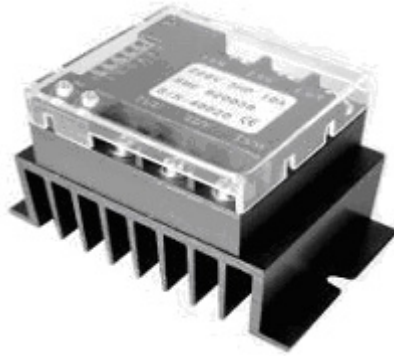
>>> Choice of Specification & Models



Rated Current	Rated Voltage						L (mm)	W (mm)	H (mm)
	208-220VAC	HP	380-440VAC	HP	460-480VAC	HP			
28A	SMC920100	10	SMC930150	15	SMC940200	20	210	142	154
35A			SMC930200	20	SMC940250	25	233	142	154
42A	SMC920150	15	SMC930250	25	SMC940300	30	233	142	154
55A	SMC920200	20	SMC930300	30	SMC940400	40	233	142	154
70A	SMC920250	25	SMC930400	40	SMC940500	50	283	142	154
82A	SMC920300	30	SMC930500	50	SMC940600	60	283	142	154
105A	SMC920400	40	SMC930600	60	SMC940750	75	283	142	154
135A	SMC920500	50	SMC930750	75	SMC941000	100	303	142	154
155A	SMC920600	60	SMC931000	100	SMC941250	125	303	142	154
185A	SMC920750	75	SMC931250	125	SMC941500	150	400	263	210
250A	SMC9201000	100	SMC931500	150	SMC941750	175	400	263	210
280A			SMC931750	175	SMC942000	200	400	263	210
300A	SMC921250	125	SMC932000	200	SMC942500	250	527	306	244
360A	SMC921500	150	SMC932500	250	SMC943000	300	527	306	244
420A	SMC921750	175	SMC933000	300	SMC943500	350	527	306	244

SMC Economic Series

>>> Choice of Specification & Models



Rated Current	Rated Voltage						L (mm)	W (mm)	H (mm)
	208-220VAC		380-440VAC		460-480VAC				
7A	SMC920020	2	SMC930030	3	SMC940050	5	75	127	86
10A	SMC920030	3	SMC930050	5	SMC940075	7.5	75	127	86
15A	SMC920050	5	SMC930075	7.5	SMC940100	10	120	127	86
22A	SMC920075	7.5	SMC930100	10	SMC940150	15	180	127	86
28A	SMC9200100-E	10	SMC930150-E	15	SMC940200-E	20	154	100	137



Rated Current	Rated Voltage			L (mm)	W (mm)	H (mm)
	208-220VAC	380-440VAC	460-480VAC			
560A	SMC920560A	SMC930560A	SMC940560A	536	660	305
620A	SMC920620A	SMC930620A	SMC940620A	536	660	305
750A	SMC920750A	SMC930750A	SMC940750A	536	660	305
930A	SMC920930A	SMC930930A	SMC940930A	536	660	305
1100A	SMC921100A	SMC931100A	SMC941100A	536	660	305