

Single-Phase

Power Controllers

SPC Series



Features

- Various and simple input specification
 - DC 4 - 20 mA, 1 - 5 VDC $\equiv$, External 24 VDC $\equiv$
 - External adjuster (1 k Ω)
 - External contact (ON / OFF)
- Various function
 - Out ADJ (output limit) function
 - Soft Start function (except for ON / OFF control type)
 - Out display function
 - 50 / 60 Hz automatic converting function
- Various control by mode switches
 - Phase control
 - Cycle control (zero cross turn-on)
 - ON / OFF control (zero cross turn-on)

Specifications

Model	SPC1-35		SPC1-50
Control phase	Single-phase		
Rated load current	35 A		50 A
Indicator	Output indicator (red)		
Control input	1 - 5 VDC $\equiv$, DC 4 - 20 mA (250 Ω), ON / OFF (external contact or 24 VDC $\equiv$), external adjuster (1 k Ω), output limit input (front output limit adjuster)		
Cooling method	Natural air cooling		
Control circuit	MICOM control method		
Unit weight	$\approx$ 1 kg		
Approval	EAC		
Control mode	Normal	Fixed cycle	-
Applied load	Resistance load		
Output range	0 to 98 %	0 to 100 %	0 / 100 %
Power supply	220 VAC $\sim$ $\pm$ 10 % 50 / 60Hz $\pm$ 1 Hz		
Min. load current	5 % of rated load current		
Insulation resistance	100 M Ω (500 VDC $\equiv$ megger)		
Dielectric strength	2000 VAC $\sim$ 50 / 60 Hz for 1 min		
Noise immunity	$\pm$ 2 kV square wave noise (pulse width: 1 μ s) by the noise simulator		
Vibration	0.75 mm double amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 1 hour		
Vibration (malfunction)	0.5 mm double amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 10 min		
Shock	300 m/s ² ($\approx$ 30 G) in each X, Y, Z direction for 3 times		
Shock (malfunction)	100 m/s ² ($\approx$ 10 G) in each X, Y, Z direction for 3 times		
Ambient temperature	0 to 50 $^{\circ}$ C, storage: -25 to 65 $^{\circ}$ C (no freezing or condensation)		
Ambient humidity	35 to 85 %RH, storage: 35 to 85 %RH (no freezing or condensation)		
Wiring spec.	Rated load current 35 A: AWG 16 to 8 Rated load current 50 A: AWG 8 to 6		



View product detail