

DIN-Rail Mount Switching Mode Power Supplies

SP Series



Features

- Compact size
- Built-in overcurrent protection circuit
- DIN rail mount and screw mount methods
- Power supply: 100 - 240 VAC~
- Output voltage: 5 VDC \equiv , 12 VDC \equiv , 24 VDC \equiv
- Output power: 3 W

Specifications

Model	SP-0305	SP-0312	SP-0324
Output power	3 W		
Input condition			
Voltage	100 - 240 VAC~		
Permissible voltage range	85 - 264 VAC~		
Frequency	50 / 60 Hz		
Efficiency (typical)	67 to 74%		
Current consumption (typical)	\leq 0.15 A		
Output characteristics			
Voltage	5 VDC \equiv	12 VDC \equiv	24 VDC \equiv
Current	0.6 A	0.25 A	0.13 A
Voltage adjustment range	\leq \pm 5%		
Ripple noise	\leq 5%		
Voltage variation	\leq 0.5% (at 85 - 264 VAC~ 100% load)		
Protection			
Over-current protection	\geq 110%		
Approval	EAC		
Unit weight (Package)	\approx 100 g		
Indicator	Output indicator (red)		
Insulation resistance	\geq 100 M Ω (500 VDC \equiv megger)		
Dielectric strength	2,000 VAC~ 50 / 60 Hz for 1 min		
Vibration	0.75 mm amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 2 hours		
Vibration (malfunction)	0.5 mm amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 10 minutes		
Shock	300 m/s ² (\approx 30 G) X, Y, Z direction for 3 times		
Shock (malfunction)	100 m/s ² (\approx 10 G) X, Y, Z direction for 3 times		
Ambient temperature	-10 to 50 °C, storage: -20 to 70 °C (no freezing or condensation)		
Ambient humidity	35 to 85%RH (no freezing or condensation)		



View product detail