

ARTICLE CODE

S6-1 A - 12 L

S6-1&S6-2 Series

Nil:0.54W  
L:0.25W

Coil Voltage  
3,5,6,9,12,24,36,48 VDC  
A:1A

Model Name:S6-1:10A Type  
S6-2:5A Type



Main Features:

- Heavy load,suitable for heavy power reverse.
- Small size ,suitable for high-density mounting.
- Suitable for remote ccontrol TV set,copy machine,sales machine and air conditioner etc.

COIL RATING(at 20°C)

Nominal Voltage (VDC)	Coil Resistance (Ω)(±10%)	Power Consumption(W)	Nominal Current (mA)(±10%)	Pull In Voltage (VDC)	Drop Out Voltage (VDC)	Max. Allowable Voltage (VDC)
3V	17Ω L:36Ω	0.54W L:0.25W	176.4mA L:83.3mA	80% MAX	5% MIN	120%
5V	50Ω L:100Ω		100.0mA L:50.0mA			
6V	68Ω L:144Ω		88.2mA L:41.7mA			
9V	155Ω L:324Ω		58.1mA L:27.8mA			
12V	270Ω L:576Ω		44.4mA L:20.8mA			
24V	1100Ω L:2304Ω		21.8mA L:10.4mA			
48V	4400Ω L:9216Ω		10.9mA L:5.2mA			

PERFORMANCE(at initial value )

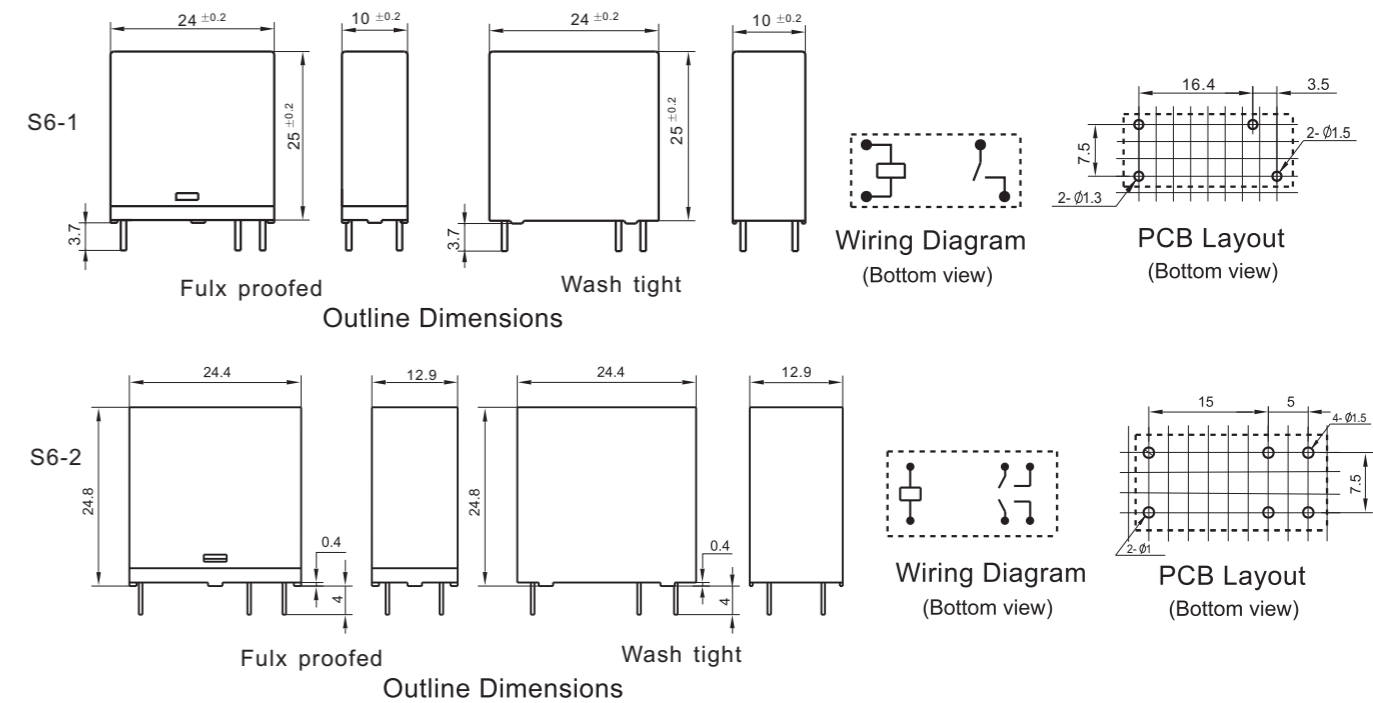
Item	Type	10A	5A
Contact Resistance		100mΩ Max.(Initial Value)	
Operate Time		20msec Max.	
Release Time		10msec Max.	
Dielectric Strength between Coil & Contact between Contact		3000VAC(1min) 1000VAC(1min)	
Insulation Resistance		100MΩ Min.(DC500V)	
Operating Ambient Temperature		-30°C ~+70 °C	
Humidity		35 to 85% RH	
Vibration Resistance		15G(10~55Hz) (Dual Amplitude:1.5mm)	
Shock Resistance		15G	
Life Expectancy Mechanically Electrically		5,000,000 ops.Min.(1800 ops./h) 100,000 ops.Min.(1200 ops./h)	
Weight		11g	13g(approx.)

CONTACT RATING

Item	Type	10A	5A
Rated Carrying Current		10A/250VAC 10A/30VDC	5A/250VAC 5A/30VDC
Max. Allowable Current		15A	8A
Max. Allowable Voltage		AC 250V DC 30V	
Max. Current(Continual)		10A	5A
Max.Allowable Power		2500VA, 300W	1250VA, 150W
Contact Material		Ag alloy	

OUTLINE DIMENSION,WIRING DIAGRAM & PC BOARD LAYOUT

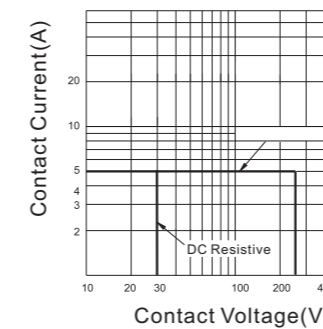
Unit: mm



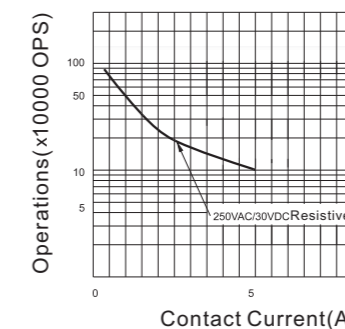
Remark: 1) In case of no tolerance shown in outline dimension: outline dimension ≤1mm, tolerance should be ±0.2mm; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.  
2) The tolerance without indicating for PCB layout is always ±0.1mm.

CHARACTERISTIC CURVES

MAXIMUM SWITCHING POWER



ENDURANCE CURVE



COIL TEMPERATURE RISE

