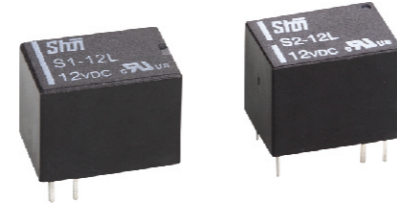


ARTICLE CODE

S1 - 12 L

S1&S2 Series



Nil:0.36W
L:0.20W

Coil Voltage
3,5,6,9,12,24 VDC

Model Name:S1,S2

Main Features:

- UL safety approval.
- Subminiature single pole Relay.
- Standard(360mw)&High sensitive(201mw) type.
- Plastic sealed type is prepared for washing procedure

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)
	0.36W	0.2W		0.36W	0.2W			
3V	25Ω	45Ω	Nil:0.36W L:0.2W	120.0mA	66.7mA	75% MAX	10% MIX	130%
5V	75Ω	120Ω		66.7mA	41.7mA			
6V	100Ω	180Ω		60.0mA	33.3mA			
9V	225Ω	400Ω		40.0mA	22.5mA			
12V	400Ω	720Ω		30.0mA	17.0mA			
24V	1600Ω	2800Ω		15.0mA	8.6mA			

PERFORMANCE(at initial value)

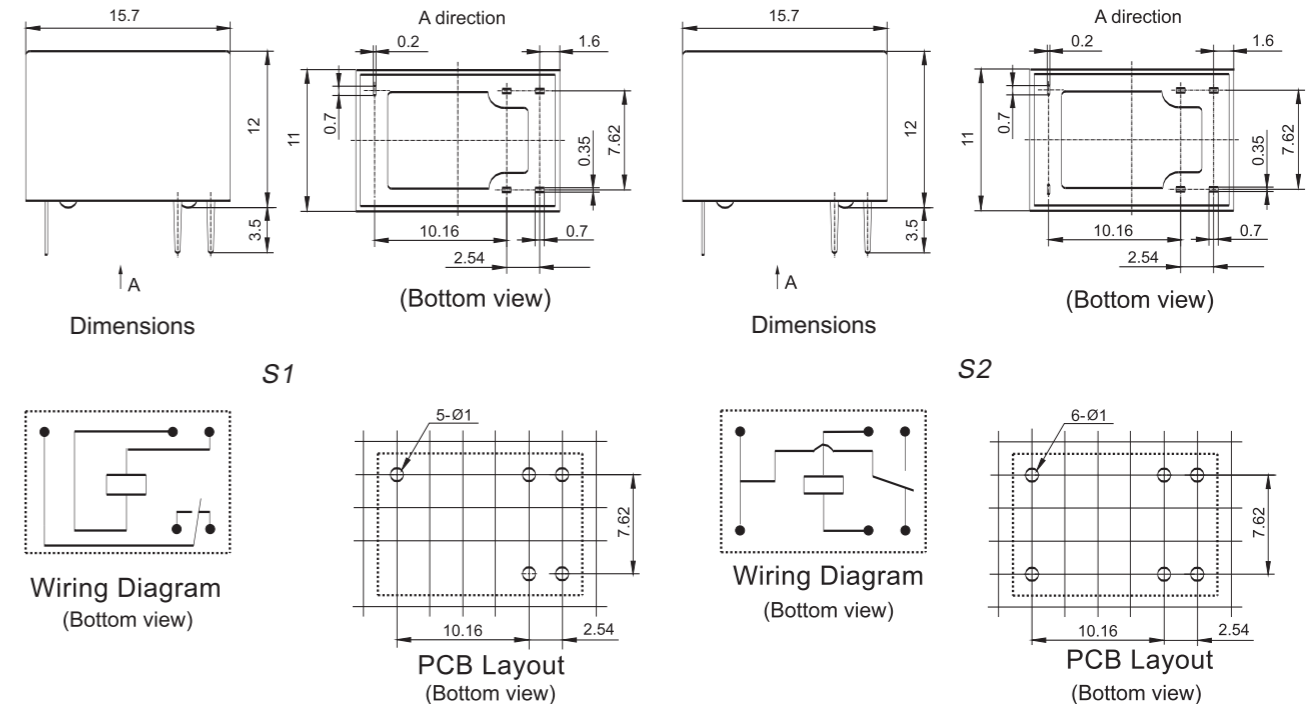
Item	Type	3A
Contact Resistance		100mΩ Max.(Initial Value)
Operate Time		5msec Max.
Release Time		5msec Max.
Dielectric Strength between Coil & Contact between Contact		1500VAC(1min) 1000VAC(1min)
Insulation Resistance		100MΩ Min.(DC500V)
Operating Ambient Temperature		-25°C ~70°C
Humidity		35 to 85% RH
Vibration Resistance		10~55Hz (Dual Amplitude:1.5mm)
Shock Resistance		10G
Life Expectancy Mechanically Electrically		10,000,000 ops.Min.(1800 ops./h) 100,000 ops.Min.(1200 ops./h)
Weight		3.5g(approx.)

CONTACT RATING

Item	Type	S1	S2
Rated Carrying Current		3A/125VAC 3A/24VDC	
Max. Allowable Current		3A	
Max. Allowable Voltage		120VAC 60VDC	
Max. Current(Continual)		3A	
Min. Load		DC1V 1mA	DC5V 1mA
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.

REFERENCE DATA

