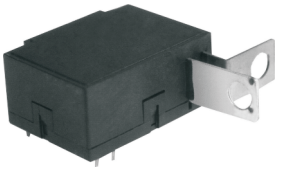
SHL1 SERIES

ORDERING INFORMATION

SHL1-□ □-□

- L1 : 1 Coil, L2 : 2 Coils
- 50 : 50A, 60 : 60A
- COIL VOLTAGE: 05:DC 5V, 06:DC 6V, 09:DC 9V, 12:DC 12V, 24:DC 24V, 48:DC 48V
- TYPE



FEATURES:

- 39.5*17.9*30.0mm
- Magnetic Latching Relay.
- 60A switching capability.
- Compact configuration,small size.
- High switching capacity.
- High sensitivity,low power comsumption, low temperature rise.
- Strong anti-shock,good vibration resistance.

COIL RATING (at 20℃)

TYPE	NOMINAL VOLTAGE (VDC)	COIL RESISTANCE (Ω)(±10%)	POWER CONSUMPT -ION(W)	SET/RESET VOLTAGE (VDC)
1Coil	5V	24Ω	1.0W	80% MAX.
	6V	35Ω		
	9V	80Ω		
	12V	145Ω		
	24V	575Ω		
	48V	2270Ω		

TYPE	NOMINAL VOLTAGE (VDC)	COIL RESISTANCE (Ω)(±10%)	POWER CONSUMPT -ION(W)	SET/RESET VOLTAGE (VDC)
2Coils	5V	12Ω+12Ω	2.0W	80% MAX.
	6V	17.5Ω+17.5Ω		
	9V	40Ω+40Ω		
	12V	72Ω+72Ω		
	24V	285Ω+285Ω		
	48V	1135Ω+1135Ω		

PERFORMANCE (at initial value)

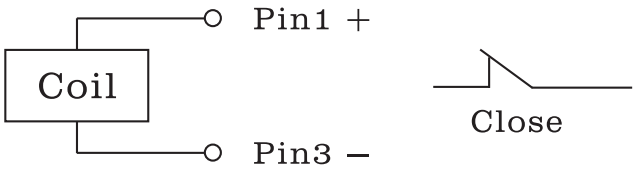
Item \ Type	50A	60A
Contact Resistance	2mΩ Max.	
Set Time	30msec Max.	
Reset Time	30msec Max.	
Contact Bounce Time	5msec Max.	
Dielectric Strength between coil & contact between contact	AC2500V (1min) AC1500V (1min)	
Insulation Resistance	1000MΩ	
Operating Ambient Temperature	-40℃ ~ +70℃	
Humidity	35 to 85% RH	
Life Expectancy Mechanically Electrically	1000,000 ops 10,000 ops(Normally),15,000 ops(Particularly)	

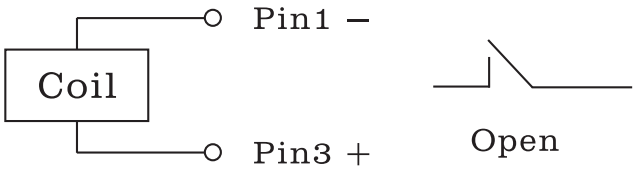
CONTACT RATING

Item \ Type	50A	60A
Max. Switching power	1800W/15000VA	
Max. Switching Voltage	110VDC/250VAC	
Contact Material	Ag alloy	

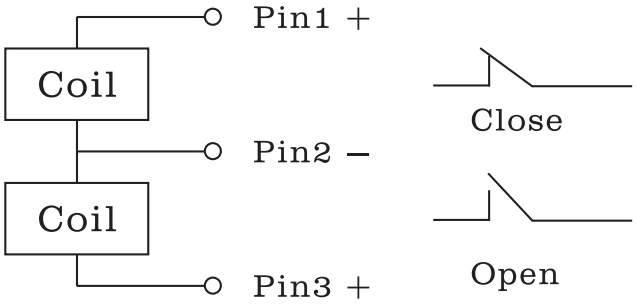
WIRING DIAGRAMS

1 Coil latching





2 Coils latching



NOTICE

-Relay is on the "reset" or "set" status when being released from stock, with the consideration of shock risen from transit and relay mounting, relay would be changed to "set" or "reset" status, therefore, when application (connecting the power supply), please reset the relay to "set"or "reset" status on request.

- In order to maintain "set" or "reset" status, energized voltage to coil should reach the rated voltage, impulse width should be 5 times more than "set" or"reset" time. Do not energize voltage to "set"coil and "reset" coil simultaneously. And also long energized time(more than 1 min) should be avoided.

-In order to avoid changing operate voltage, products should not be kept in strong magnetic field during transportation, storage and application.