

# SHL3 SERIES

**ORDERING INFORMATION**

SHL3-□ □ - □

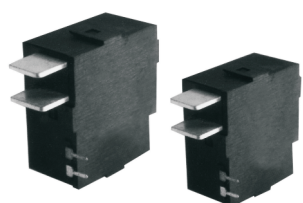
L1 : 1 Coil  
L2 : 2 Coils

60 : 60A  
80 : 80A

COIL VOLTAGE

05:DC 5V  
06:DC 6V  
09:DC 9V  
12:DC 12V  
24:DC 24V  
48:DC 48V

TYPE



**FEATURES:**

- 39.5\*18.8\*32.7mm
- Magnetic Latching Relay.
- Classified as 60A and 80A.
- Various installation holes for customer's choice.
- Low temperature rise, low coil power.
- Long electrical and mechanical life.
- Well quality with low price.

**COIL RATING (at 20°C)**

TYPE	NOMINAL VOLTAGE (VDC)	COIL RESISTANCE (Ω)(±10%)	POWER CONSUMPT -ION(W)	SET/RESET VOLTAGE (VDC)	TYPE	NOMINAL VOLTAGE (VDC)	COIL RESISTANCE (Ω)(±10%)	POWER CONSUMPT -ION(W)	SET/RESET VOLTAGE (VDC)
1Coil	5V	16Ω	1.5W 1.0W 0.8W	75% MAX.	2Coils	5V	8Ω+8Ω	3.0W 2.0W 1.6W	75% MAX.
	6V	24Ω				12Ω+12Ω			
	9V	54Ω				27Ω+27Ω			
	12V	96Ω				48Ω+48Ω			
	24V	384Ω				192Ω+192Ω			
	48V	1536Ω				768Ω+768Ω			

**PERFORMANCE (at initial value)**

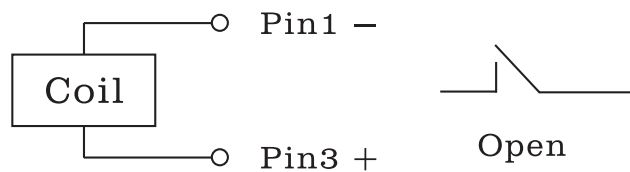
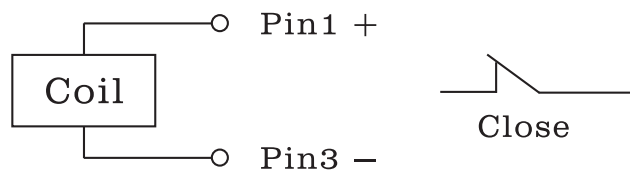
Item	Type	60A	80A
Contact Resistance		2mΩ Max.	
Set Time		30msec Max.	
Reset Time		30msec Max.	
Contact Bounce Time		5msec Max.	
Dielectric Strength			
between coil & contact		AC2500V (1min)	
between contact		AC1500V (1min)	
Insulation Resistance		1000MΩ	
Operating Ambient Temperature		-40°C ~ +70°C	
Humidity		35 to 85% RH	
Life Expectancy			
Mechanically		1000,000 ops	
Electrically		10,000 ops(Normally),30,000 ops(Particularly)	

## CONTACT RATING

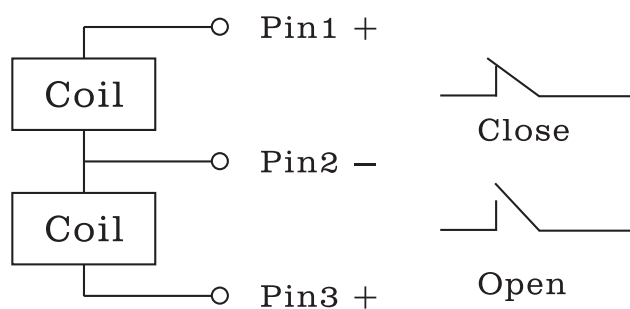
Item \ Type	60A	80A
Max. Switching power	2400W/20000VA	
Max. Switching Voltage	110VDC/250VAC	
Contact Material	Ag alloy	

## 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 arisen 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.