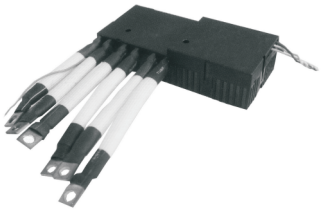
SHL6 SERIES

ORDERING INFORMATION

SHL6-□ □ - □

- L1 : 1 Coil
  L2 : 2 Coils
- 100 : 100A
- COIL VOLTAGE
  - 05:DC 5V
  - 06:DC 6V
  - 09:DC 9V
  - 12:DC 12V
  - 24:DC 24V
  - 48:DC 48V
- TYPE



FEATURES:

- 120*54*29.5mm
- 3-phases magnetic latching relay.
- 100A switching capability.
- Strong resistance ability to shock & vibration.
- High contact force, low contact resistance, low temperature.

COIL RATING (at 20℃)

TYPE	NOMINAL VOLTAGE (VDC)	COIL RESISTANCE (Ω)(±10%)	POWER CONSUMPT -ION(W)	SET/RESET VOLTAGE (VDC)
1Coil	6V	7Ω	2.5W	80% MAX.
	9V	16Ω		
	12V	29Ω		
	24V	115Ω		
	48V	460Ω		

TYPE	NOMINAL VOLTAGE (VDC)	COIL RESISTANCE (Ω)(±10%)	POWER CONSUMPT -ION(W)	SET/RESET VOLTAGE (VDC)
2Coils	6V	3.5Ω+3.5Ω	5.0W	80% MAX.
	9V	8Ω+8Ω		
	12V	14.5Ω+14.5Ω		
	24V	57.5Ω+57.5Ω		
	48V	230Ω+230Ω		

PERFORMANCE (at initial value)

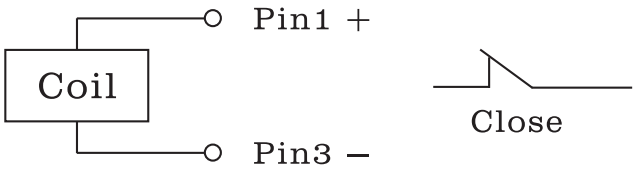
Item \ Type	100A
Contact Resistance	2mΩ Max.
Set Time	50msec Max.
Reset Time	50msec Max.
Contact Bounce Time	5msec Max.
Dielectric Strength between coil & contact between contact	 AC4000V (1min) AC2000V (1min)
Insulation Resistance	1000MΩ
Operating Ambient Temperature	-40℃ ~ +70℃
Humidity	35 to 85% RH
Life Expectancy Mechanically Electrically	 100,000 ops 3,000 ops(Normally),5,000 ops(Particularly)

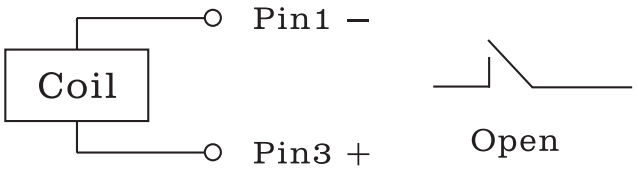
CONTACT RATING

Item \ Type	100A
Max. Switching power	3360W/33240VA
Max. Switching Voltage	110VDC/250VAC
Contact Material	Ag alloy

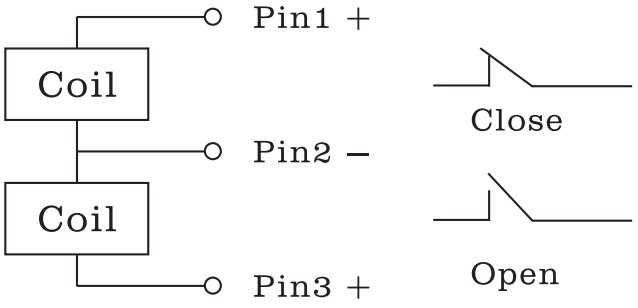
WIRING DIAGRAMS

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.