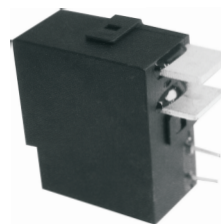
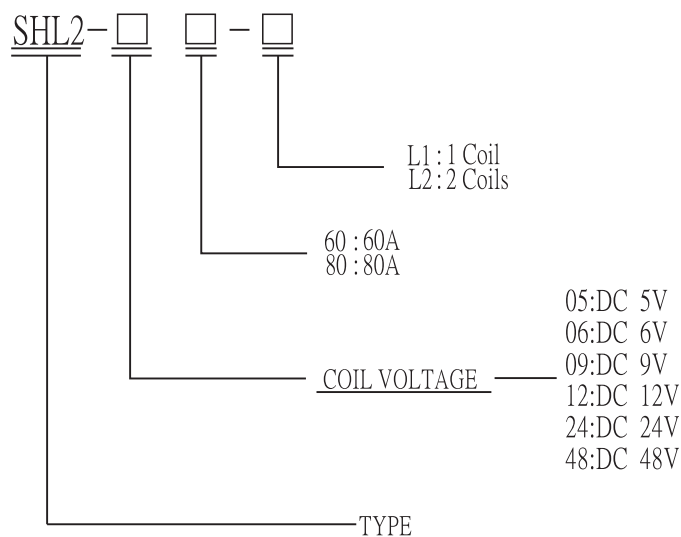


# SHL2 SERIES

## ORDERING INFORMATION



## FEATURES:

- 36.5\*17.4\*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                    | 24Ω                       | 1.5W<br>1.0W<br>0.8W   | 75% MAX.                | 2Coils | 5V                    | 12Ω+12Ω                   | 3.0W<br>2.0W<br>1.6W   | 75% MAX.                |
|       | 6V                    | 35Ω                       |                        |                         |        | 6V                    | 17.5Ω+17.5Ω               |                        |                         |
|       | 9V                    | 80Ω                       |                        |                         |        | 9V                    | 40Ω+40Ω                   |                        |                         |
|       | 12V                   | 145Ω                      |                        |                         |        | 12V                   | 72Ω+72Ω                   |                        |                         |
|       | 24V                   | 575Ω                      |                        |                         |        | 24V                   | 285Ω+285Ω                 |                        |                         |
|       | 48V                   | 2270Ω                     |                        |                         |        | 48V                   | 1135Ω+1135Ω               |                        |                         |

## PERFORMANCE (at initial value)

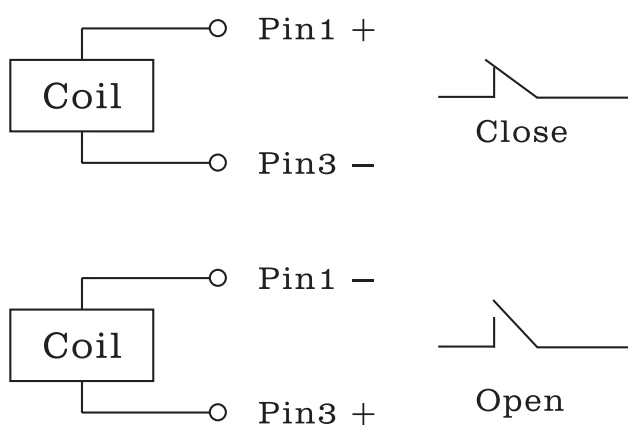
| Item \ Type  | 60A   | 80A |
|--|---|-----|
| Contact Resistance   | 2mΩ Max.  |     |
| Set Time   | 30msec Max.   |     |
| Reset Time   | 30msec Max.   |     |
| Contact Bounce Time  | 5msec Max.  |     |
| Dielectric Strength<br>between coil & contact<br>between contact | AC2500V (1min)<br>AC1500V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

## CONTACT RATING

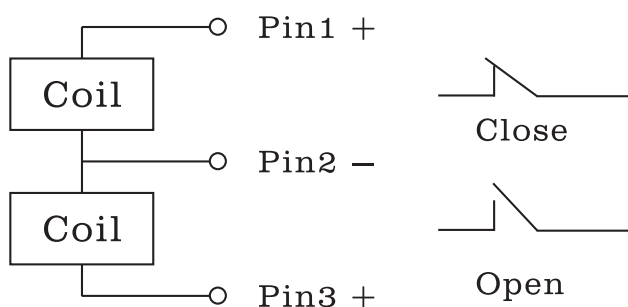
| Item \ Type            | 60A           | 80A |
|------------------------|---------------|-----|
| Max. Switching power   | 2400W/20000VA |     |
| Max. Switching Voltage | 110VDC/250VAC |     |
| Contact Material       | Ag alloy      |     |

## 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.