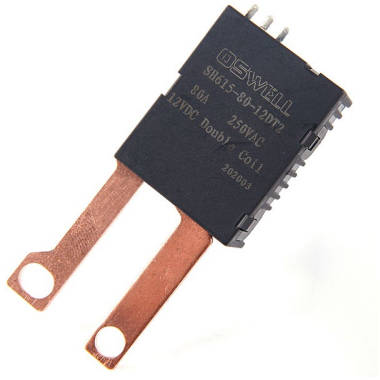
SH615-60A&80A

HIGH POWER LATCHING RELAY



Features:

Switching Current: 60A, 80A max
Switching Voltage: 250VAC/110VDC max
Switching power: 20000VA max
Dielectric Strength: 4kV/1min
(between coil and contacts)
RoHS Compliance
Dimensions (mm): 39×30×16.5

Contact Specifications:

1. Contact Form: 1A(Release), 1B(Operate)
Default Form
2. Contact Material: $AgSnO_2$
3. Contact Resistance:
≤2 mΩ（1A/6VDC）

Characteristics:

AMBIENT TEMP.		-40℃～+70℃
VIBRATION RESISTANCE		10-55Hz, 0.5mm (Double Amplitude)
SHOCK RESISTANCE		98m/s^2 (functional) 980m/s^2 (Destructive)
RELATIVE HUMIDITY		45%~85%
INSULATION RESISTANCE		1000 MΩ (500VDC)
DIELECTRIC STRENGTH	BETWEEN CONTACTS	2000 VAC 50/60Hz (1 minute)
	BETWEEN CONTACT & COIL	4000 VAC 50/60Hz (1 minute)
Creepage Distance		8mm
Electrical Life		≥1 x 10^{4}OPS
Mechanical Life		≥5 x 10^{6}OPS
PICK-UP TIME (At rated Voltage): ≤20ms		
RELEASE TIME (At rated Voltage): ≤20ms		
Bounce Time: ≤2ms		
Construction: DUST protected		
N.W. per unit: Approx. 45g		

Coil Data (23℃):

Rated Voltage (VDC)	Pick-up Voltage (VDC)	Pulse Duration (ms)	COIL RESISTANCE X (1±10%) Ω	
6	4.2	80	Single Coil Latching	36
9	7.2			81
12	9.6			144
24	19.2			576
48	38.4			2304
6	4.2	80	Double Coil Latching	18
9	7.2			40.5
12	9.6			72
24	19.2			288
48	38.4			1152
Coil Power Consumption: Single coil 1.0W, Double Coil 2.0W				

NOTICE:

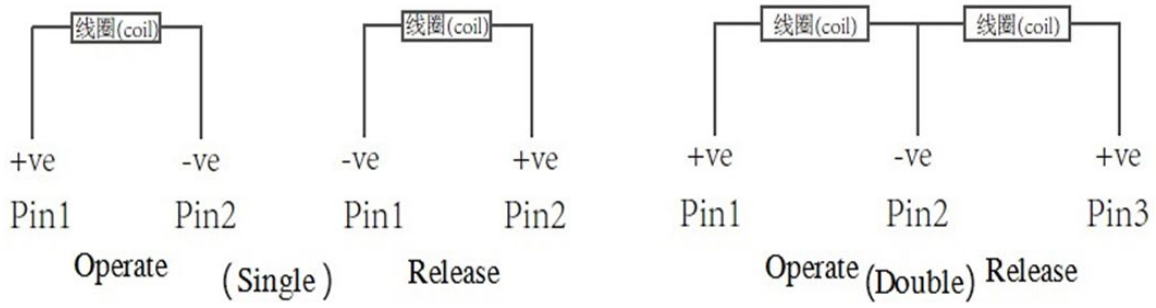
1. Relay is on the “release” or “operate” status when being released from stock, with the consideration of shock risen from transit an relay mounting, relay would be changed to “operate” or “release” status, therefore, when application (connecting the power supply), please reset the relay to “operate” or “release” status on request.
2. In order to maintain “operate” or “release” status, energized voltage to coil should reach the rated voltage, impulse width should be 5 times more than “operate” or “release” time. Do not energize voltage to “operate” coil and “release” coil simultaneously. And also long energized time (more than 1 min) should be avoided.

Ordering Instruction:

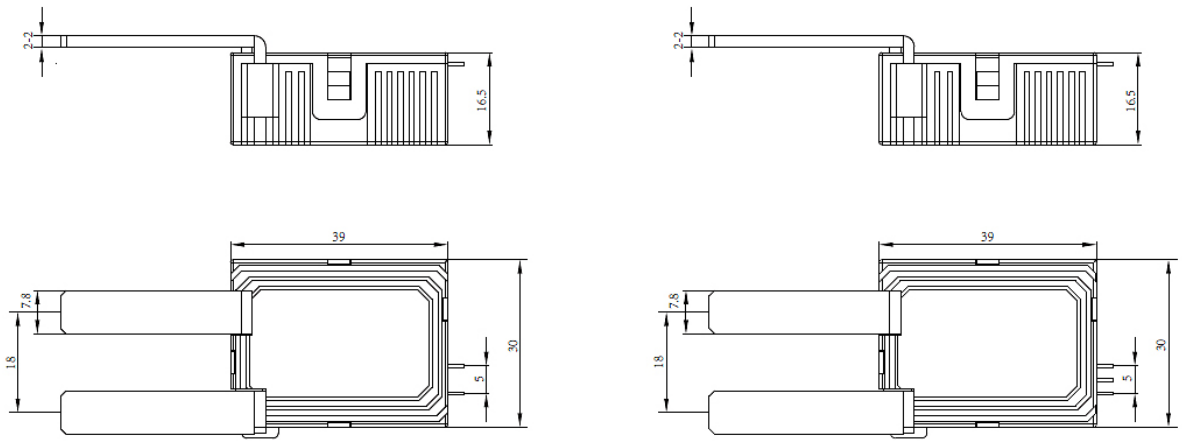
SH615 - 80 - 12 - H - R - 01

- SH615 - Relay Type
- 80 - Current: 60A / 80A
- 12 - Coil Voltage: 6,9,12,24,48VDC
- H - Contact Form: H - 1 from A (Release); Nil - 1 from B (Operate)
- R - R- Negative polarity; Nil- Positive polarity
- 01 - Dash Number

Wiring Diagram:



Outline Dimensions (mm):



单线圈（Single Coil）　　双线圈（Double Coil）

Notice: Sample tested during initial release and after any redesign or process change that may affect parameter. Specification is subject to change without notice. Please ask for the newest product specification at any moment.