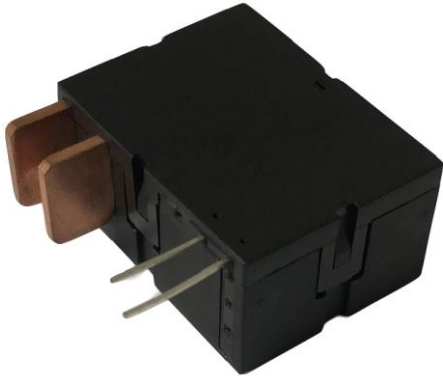


SH617-100A

HIGH POWER LATCHING RELAY



Features:

Switching Current: 100A max
 Switching Voltage: 250VAC max
 Switching power: 25000VA max
 Dielectric Strength: 4kV/1min
 (between coil and contacts)
 RoHS Compliance
 Dimensions (mm): 40×30×19.7

Contact Specifications:

- Contact Form: 1A(Release), 1B(Operate)
Default Form
- Contact Material: AgSnO₂ / Cu
- Contact Resistance:
 $\leq 2 \text{ m}\Omega$ (1A/6VDC)

Characteristics:

AMBIENT TEMP.	-40℃~+70℃	
VIBRATION RESISTANCE	10-55Hz, 0.5mm (Double Amplitude)	
SHOCK RESISTANCE	98m/s ² , 11ms	
RELATIVE HUMIDITY	45%~85%	
INSULATION RESISTANCE	1000 MΩ (500VDC)	
DIELECTRIC STRENGTH	BETWEEN CONTACTS	1750 VAC 50/60Hz (1 minute)
	BETWEEN CONTACT & COIL	4000 VAC 50/60Hz (1 minute)
Electrical Life	$\geq 1 \times 10^4$ OPS	
Mechanical Life	$\geq 5 \times 10^5$ OPS	
PICK-UP TIME (At rated Voltage):	≤ 50 ms	
RELEASE TIME (At rated Voltage):	≤ 50 ms	
Bounce Time:	≤ 2 ms	
Construction:	DUST protected	
N.W. per unit:		

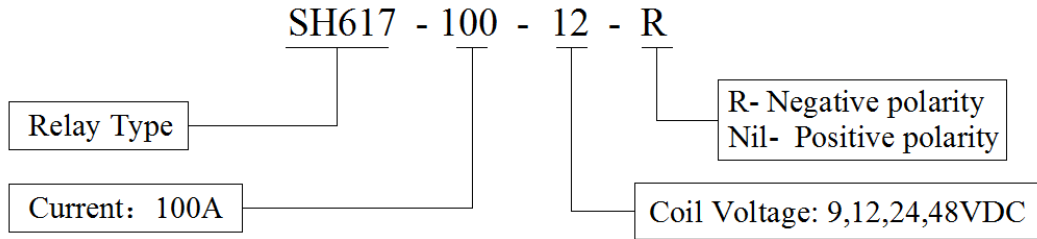
Coil Data (20℃)

Rated Voltage (VDC)	Pick-up Voltage (VDC)	Pulse Duration (ms) Min	COIL RESISTANCE X (1±10%)Ω	
9	6.48	80	Single Coil Latching	40.5
12	8.64	80		72
24	17.28	80		288
48	34.56	80		1152
9	6.48	80	Double Coil Latching	20
12	8.64	80		36
24	17.28	80		144
48	34.56	80		576
Coil Power Consumption: Single coil 2.0W, Double Coil 4.0W				

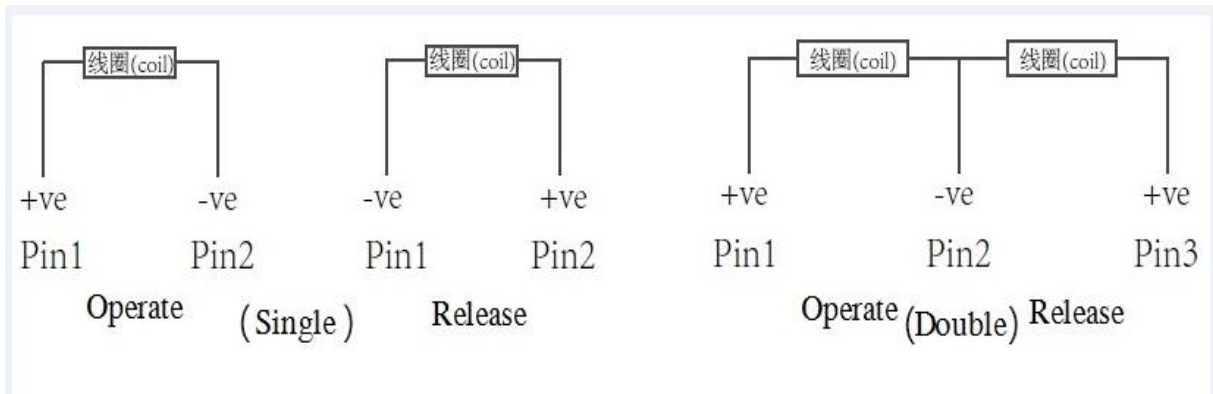
NOTICE:

- 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.
- 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:



Wiring Diagram:



Outline Dimensions (mm):

