

SH638**100A 3 PHASE LATCHING RELAY****Contact Specifications**

- Contact Form: 3A(Release), 3B(Operate)
Default Form
- Contact Material: AgSnO₂
- Contact Resistance:
≤2 mΩ (1A/6VDC)

Characteristics:

AMBIENT TEMP.		-40°C ~ +70°C
VIBRATION RESISTANCE		10-55Hz, 0.5mm (Double Amplitude)
SHOCK RESISTANCE		98m/s ² , 11ms
RELATIVE HUMIDITY		45%~85%
INSULATION RESISTANCE		1000 M Ω (500VDC)
DIELECTRIC STRENGTH	BETWEEN CONTACTS	2000 VAC 50/60Hz (1 minute)
	BETWEEN CONTACT & COIL	4000 VAC 50/60Hz (1 minute)
	BETWEEN CONTACT & CONTACT	6000 VAC 50/60Hz (1 minute)
Electrical Life		≥1 × 10 ⁴ OPS
Mechanical Life		≥5 × 10 ⁵ OPS
PICK-UP TIME (At rated Voltage):		≤50ms
RELEASE TIME (At rated Voltage):		≤50ms
Bounce Time:		≤2ms
Construction:		DUST protected

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): 120 × 54 × 29.5

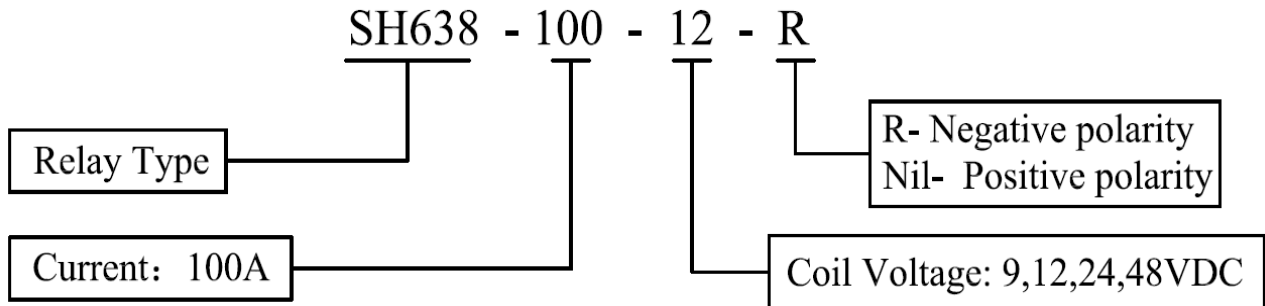
Coil Data (20°C)

Rated Voltage (VDC)	Pick-up Voltage (VDC)	Pulse Duration (ms) Min	COIL RESISTANCE X (1 ± 10%) Ω	
			Single Coil Latching	Double Coil Latching
9	6.75	80	32	
12	9	80	57	
24	18	80	230	
48	36	80	920	
9	6.75	80	16	
12	9	80	29	
24	18	80	115	
48	36	80	460	
Coil Power Consumption: Single coil 2.5W Double Coil 5.0W				

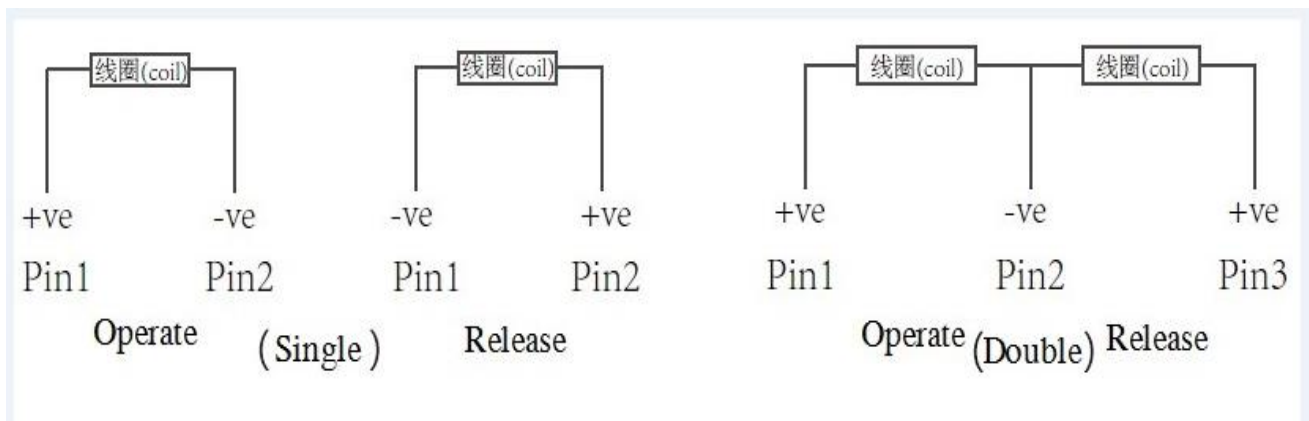
NOTICE:

- 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 “reset” 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.

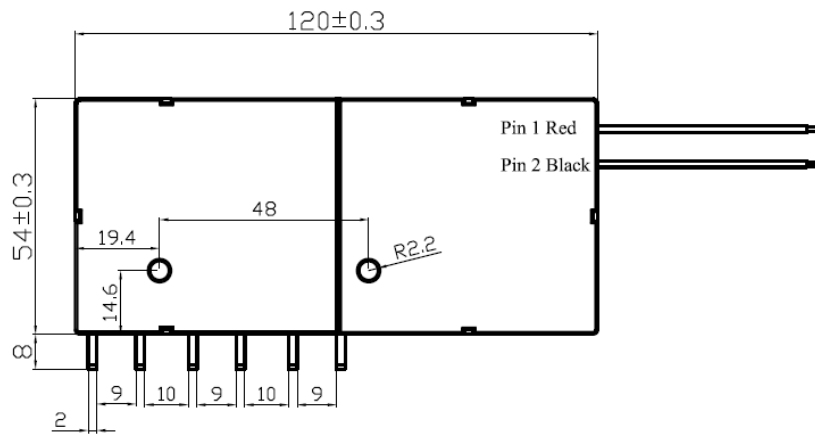
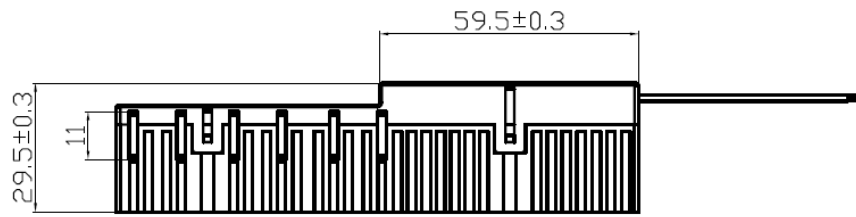
Ordering Instruction:



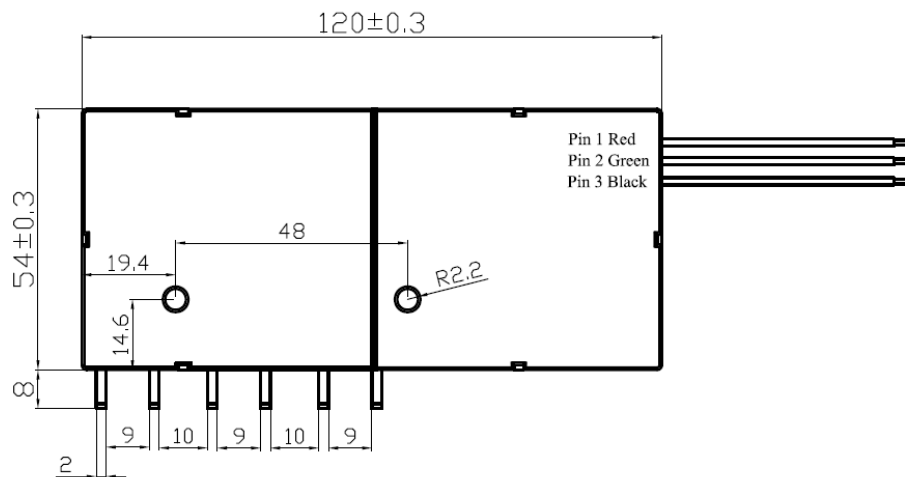
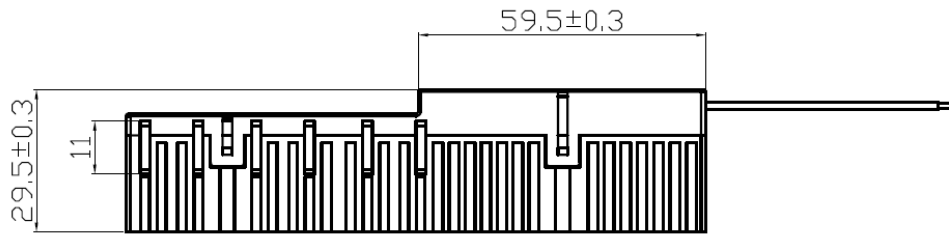
Wiring Diagram:



Outline Dimensions (mm):



Single Coil



Double Coil