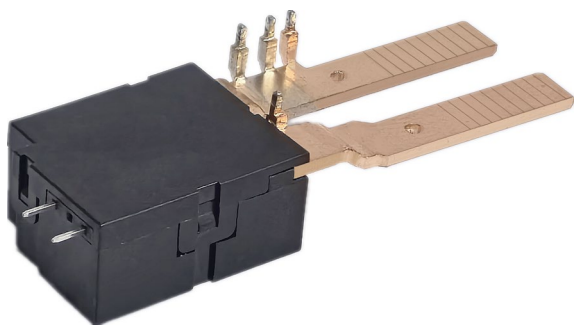


SH515-80A**HIGH POWER LATCHING RELAY****Features:**

Switching Current: 80A max
 Switching Voltage: 250VAC max
 Switching power: 20000VA max
 Dielectric Strength: 4kV/1min
 (between coil and contacts)
 RoHS Compliance
 Dimensions (mm): 34.8×28×16

Contact Specifications:

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

Characteristics:

AMBIENT TEMP.		-40℃~+85℃
VIBRATION RESISTANCE		10-55Hz, 1.5mm (Double Amplitude)
SHOCK RESISTANCE		98m/s ² (functional) 980m/s ² (Destructive)
RELATIVE HUMIDITY		5%~85%
INSULATION RESISTANCE		1000 M Ω (500VDC)
DIELECTRIC STRENGTH	BETWEEN CONTACTS	1800 VAC 50/60Hz (1 minute)
	BETWEEN CONTACT & COIL	4000 VAC 50/60Hz (1 minute)
Electrical Life		$\geq 1 \times 10^4$ OPS
Mechanical Life		$\geq 1 \times 10^5$ OPS
PICK-UP TIME (At rated Voltage): ≤ 20 ms		
RELEASE TIME (At rated Voltage): ≤ 20 ms		
Construction: DUST protected		
N.W. per unit: Approx. 35g		

Coil Data (23℃):

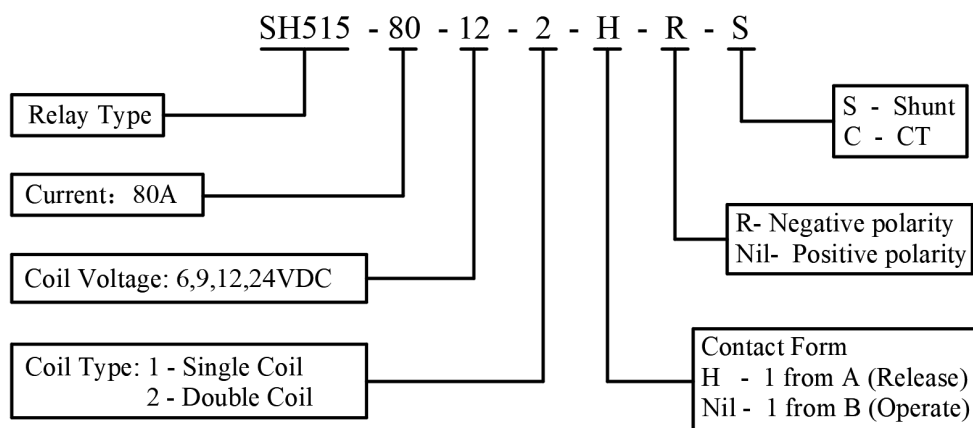
Rated Voltage (VDC)	Pick-up Voltage (VDC)	Rated Current ($\pm 10\%$)	COIL RESISTANCE X ($1 \pm 10\%$) Ω	
6	4.5	0.25	Single Coil Latching	24
9	6.75	0.17		54
12	9.0	0.125		96
24	18	0.06		384
6	4.5	0.5/0.5	Double Coil Latching	12/12
9	6.75	0.33/0.33		27/27
12	9.0	0.25/0.25		48/48
24	18	0.125/0.125		192/192

Coil Power Consumption: Single coil 1.5W, Double Coil 3.0W

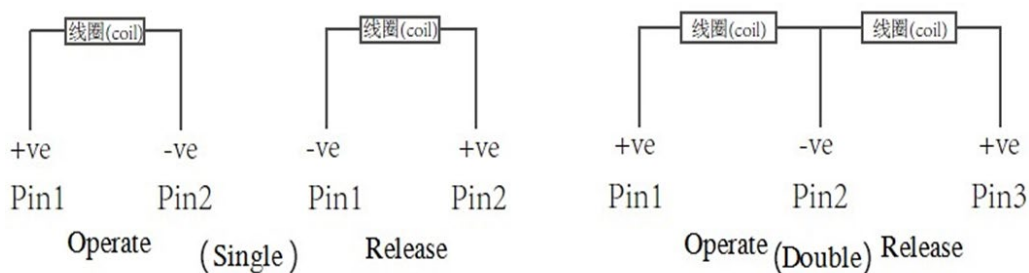
NOTICE:

- 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.

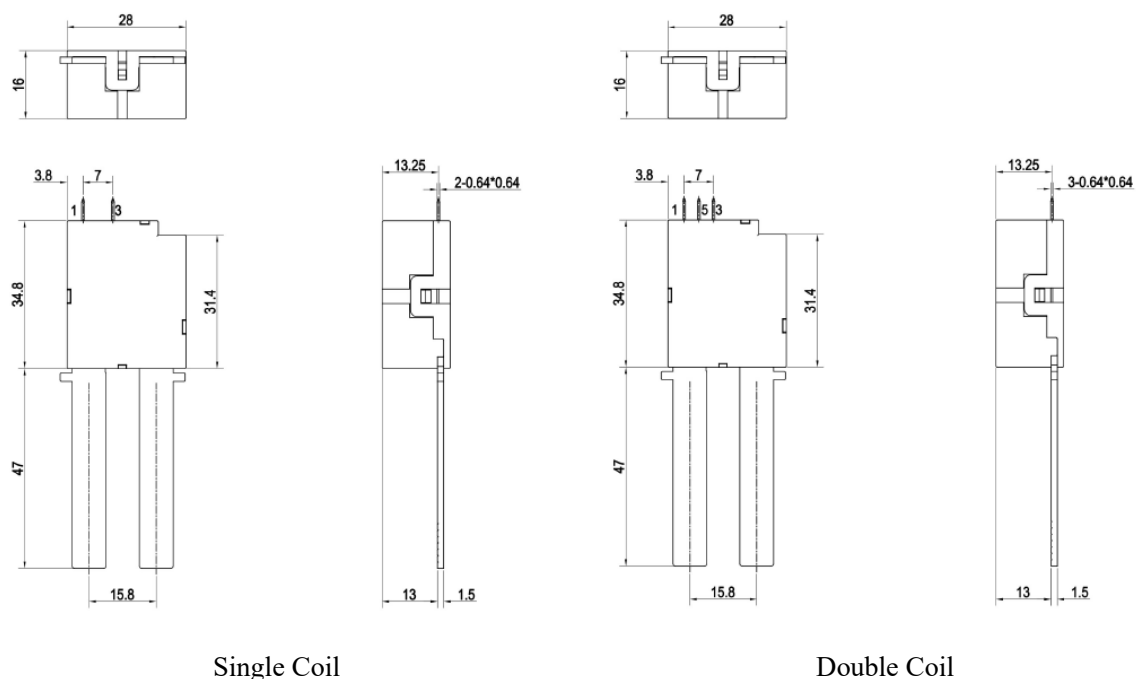
Ordering Instruction:



Wiring Diagram:



Outline Dimensions (mm):



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.