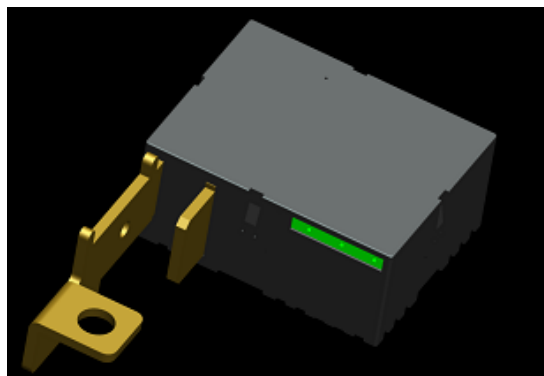


Latching Relay HTLW-R105 60A-90A 250VAC



Product Features:

- Passed UC2 Tests
- 300mT Permanent Magnet Protection; Operates in 0.5mT Alternating Current Magnetic Field
- Highly Reliable Under Overheat and Overload Conditions; Low Temperature Rise and Drift.
- Highly Responsive with Little Power Consumption
- Very Small and Compact in Size
- Can be Used in Smart Meters, Intelligent Switches and Electrical Appliances.

Contact Loads:

Model Number	R105-60A	R105-90A
Rated Load (Resistive)	60A 250VAC	90A 250VAC
Max Switching Current	60A	90A
Max Switching Voltage	250VAC	250VAC
Max Switching Power	15,000VA	22,500VA

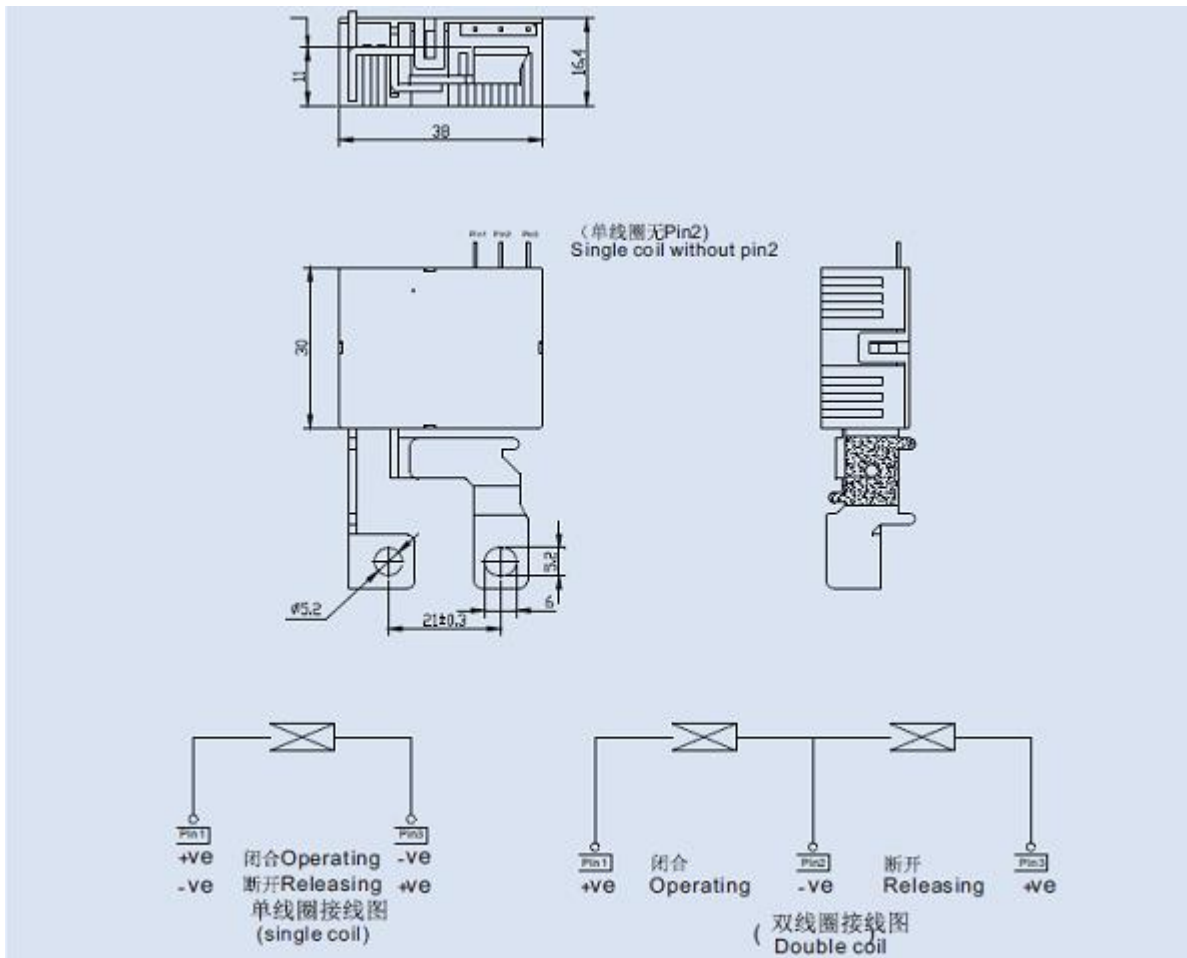
Performance Parameters:

Contact Material	Silver Alloy	
Contact Resistance	1.0mΩ Max.	
Operating Time	20ms Max.	
Releasing Time	20ms Max.	
Insulation Resistance	1,000MΩ Min. (DC500V)	
Dielectric Strength	Among Contacts	AC 1,500V 50/60Hz 1min
	Between Contact and Coil	AC 4,000V 50/60Hz 1min
Endurance of Surge Voltage	Between Contact and Coil	AC12,000V (±1.2x50μs Standard Surge Voltage Wave)
	Coil Itself	AC2,000V (±1.2x50μs Standard Surge Voltage Wave)
Anti-Vibration	Durable	10-55Hz, Double Amplitude 0.5mm
	False Operation	10-55Hz, Double Amplitude 0.5mm
Anti-Impact	Durable	10g Min.
	False Operation	100g Min.
Service Life	Mechanical Life	1,000,000 Times
	Electrical Life	Pf=1.0 10K Times; Pf=0.8 6K Times
Wiring End Temperature Rise	When 66A Current Passes, the Temperature Rise is Below 40K	
Ambient Temperature	-40°C to +80°C / 95% RH	

Coil Parameters (20°C):

Rated Voltage (VDC)	Rated Current ±10%(mA)		Resistance ±10%(Ω)		Pickup Voltage (Max)	Releasing Voltage (Max)	Pulse Width (ms)	Rated Power
	Single Coil	Dual Coils	Single Coil	Dual Coils				
6	250	500	24	12	70% Rated Voltage	70% Rated Voltage	100 Min.	Single 1.5W Double 3.0W
9	166	333	54	27				
12	125	250	96	48				
24	62.5	125	384	192				
48	31.25	62.5	1536	768				

Outline Dimensions and Connection Diagram (unit: mm):



NOTE:

- Unmarked Dimension Tolerances:
 - <1mm: ± 0.2 mm
 - 1-5mm: ± 0.3 mm
 - >5mm: ± 0.5 mm
- Mounting Hole Size Tolerance: ± 0.4 mm