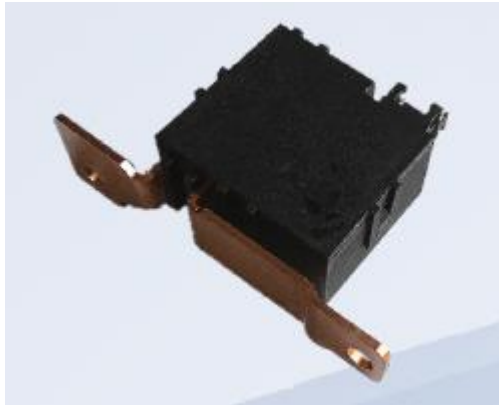


HTLW-R104B Latching Relay 90A/277VAC 100A/250VAC

Product Features:



- Passed UC2 Tests
- Operational Ambient Temperature: -40 °C to +90 °C
- Fast Response Time: 7ms (AC Half Wave Drive)
- Highly Reliable Under Overheat and Overload Conditions; Functions Properly After Passing 120A Current for a Long Period of Time in the High Environment Temperature of 120 °C.
- Can be Applied in Smart Meters, Intelligent Switches and Electrical Appliances.

Contact Loads:

Model Number	R104B-90A	R104B-100A
Rated Load (Resistive)	90A 277VAC	100A 250VAC
Max Switching Current	90A	100A
Max Switching Voltage	277VAC	250VAC
Max Switching Power	24,930VA	25,000VA

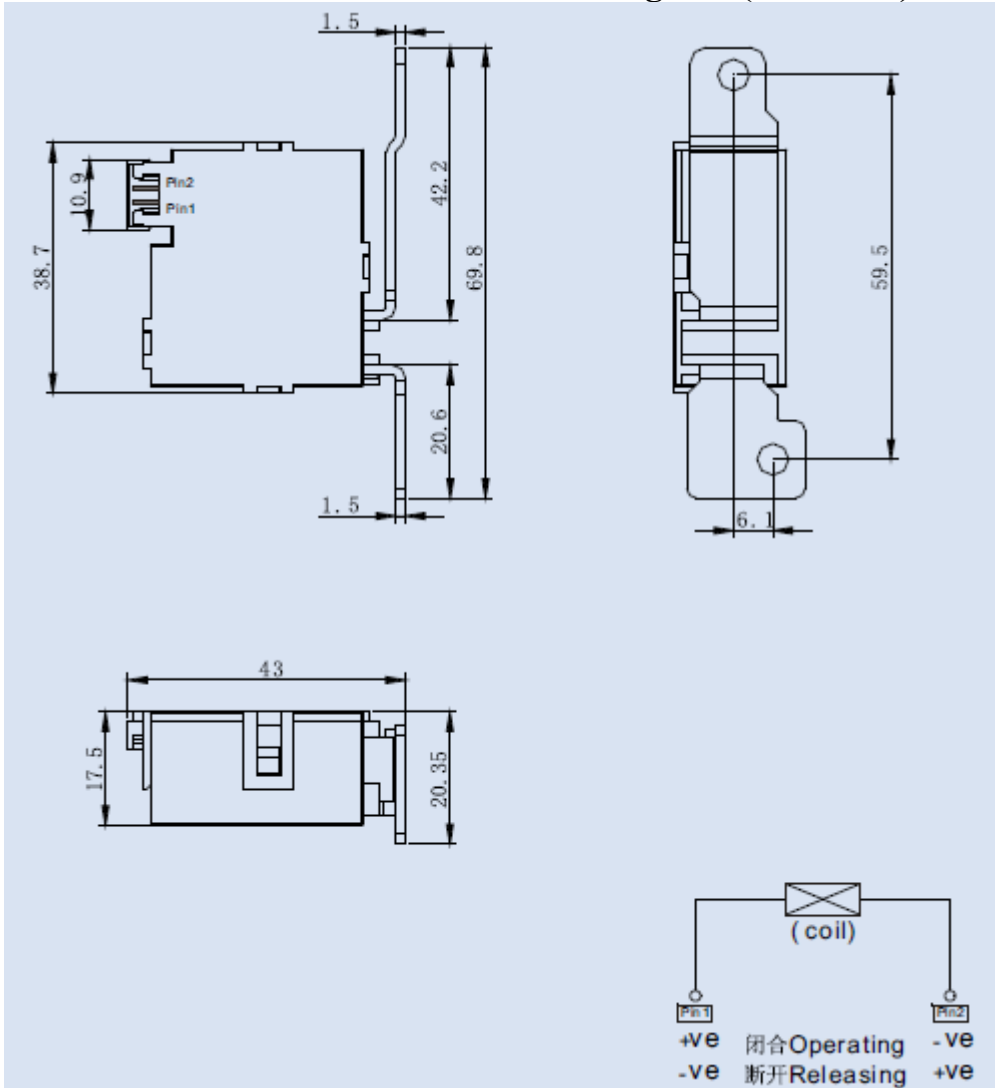
Performance Parameters:

Contact Material	Silver Alloy	
Contact Resistance	0.5mΩ Max. (DC6V 1A)	
Operating Time	20ms Max.	
Releasing Time	20ms Max.	
Insulation Resistance	1,000MΩ Min. (DC500V)	
Dielectric Strength	Among Contacts	AC 2,000V 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	1000,000 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 +90°C / 95% RH	

Coil Parameters (20°C):

Operating Voltage:	AC80-240V 45-66Hz Half Wave 7.6-11.1ms
Releasing Voltage:	AC80-240V 45-66Hz Half Wave 7.6-11.1ms
Resistance:	565±10%Ω
Rated Current (Min.):	100mA
Rated Power:	3W

Outline Dimensions and Connection Diagram (unit: mm):



NOTE:

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