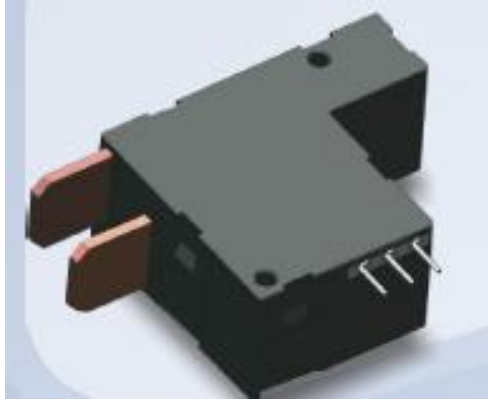


Latching Relay HTLW-R107-120A-277VAC

Product Features:



- UC3 Certified at 120A 277VAC
- Withstands 7000A short-circuit current
- Very low contact resistance and Fast Response Time
- Highly Reliable Under Overheat and Overload Conditions
- Can be Applied in Smart Meters, Intelligent Switches and Electrical Appliances.

Contact Loads:

Model Number	R107-100A	R107-120A
Rated Load (Resistive)	100A 277VAC	120A 277VAC
Max Switching Current	100A	120A
Max Switching Voltage	440VAC	440VAC
Max Switching Power	27,700VA	33,240VA

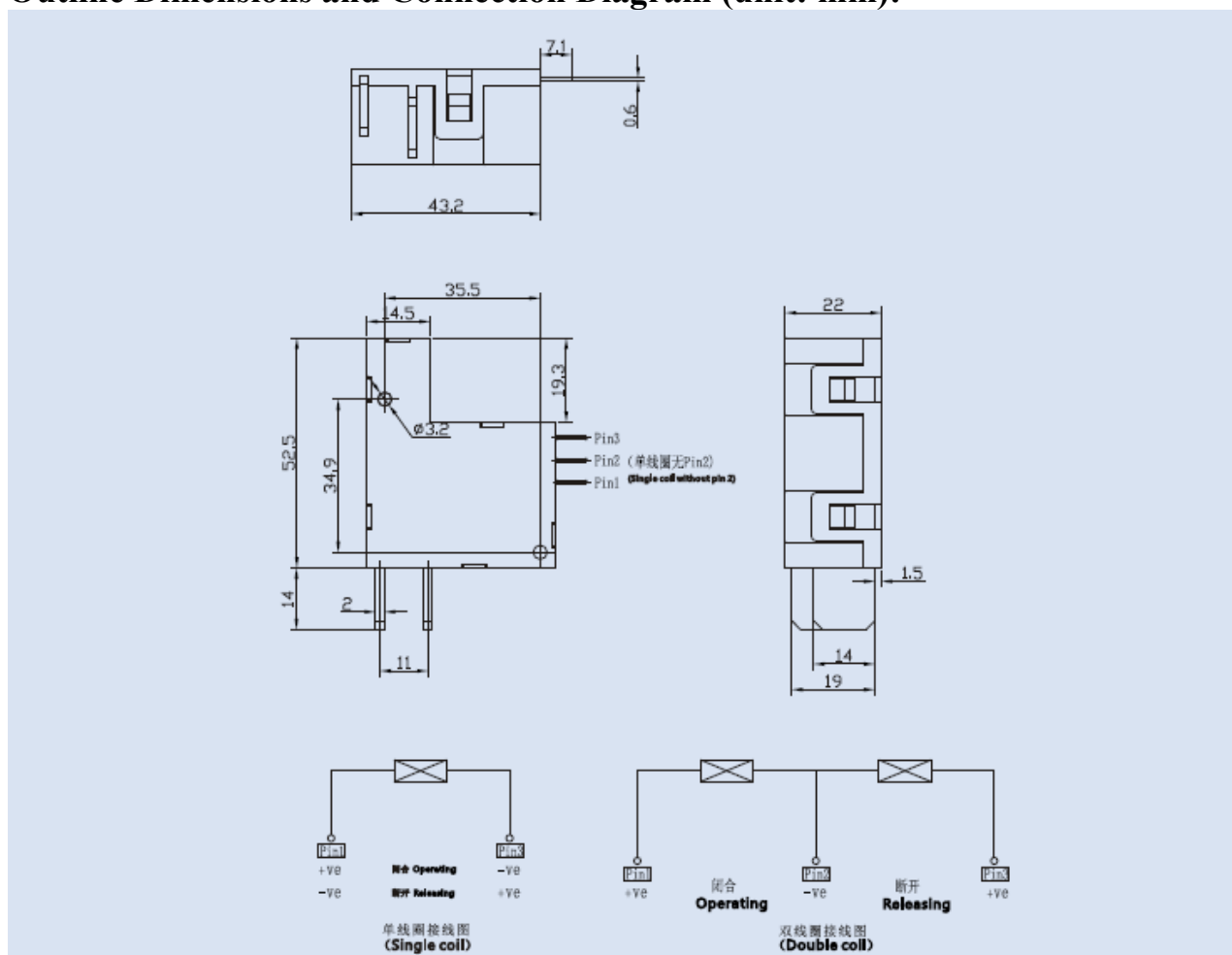
Performance Parameters:

Contact Material	Silver Alloy	
Contact Form	1A/1B	
Contact Resistance	0.5mΩ Max. (DC6V 1A)	
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	1,000,000 Times
	Electrical Life	>= 10,000 Times
Ambient Temperature	-40°C to +70°C / 85% RH	

Coil Parameters (20°C):

Rated Coil Voltage		5VDC	6VDC	9VDC	12VDC	24VDC
Coil Resistance	Single Coil	11.1±10%Ω	16±10%Ω	36±10%Ω	64±10%Ω	256±10%Ω
	Double Coil	5.6±10%Ω	8±10%Ω	18±10%Ω	32±10%Ω	128±10%Ω
Pick-up Voltage		≤70% of Rated Coil Voltage				
Drop-out Voltage		≤70% of Rated Coil Voltage				
Max. Applicable Voltage		≤120% of Rated Coil Voltage				
Pick-up Time (At Rated Voltage)		≤20ms				
Release Time (At Rated Voltage)		≤20ms				
Bounce Time		≤2ms				
Power Consumption		Single Coil 3.0W; Double Coil 6.0W				

Outline Dimensions and Connection Diagram (unit: mm):



NOTE:

1). Unmarked Dimension Tolerances:

- <1mm: ±0.2mm
- 1-5mm: ±0.3mm
- >5mm: ±0.5mm

2). Mounting Hole Size Tolerance: ±0.4mm