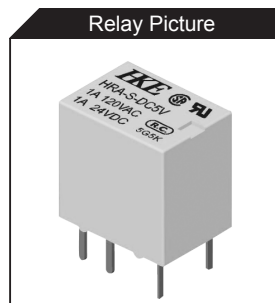
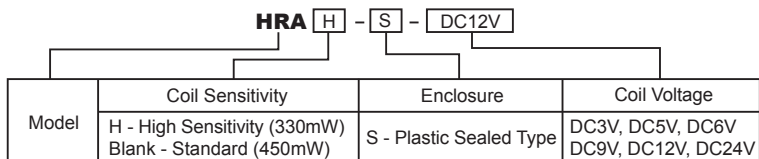




Features	
▪	Microminiature relay
	Dimensions: 10.2×7.4×10.0 (mm)
▪	Light weight
▪	Contact: 1 Form C (SPDT)
Safety Approval	
NO.1063017	US NO.E164730



## ORDERING INFORMATION



Remarks: 1. Available in 1 Form C only  
2. HRAH-S-DC24V: Coil Power 380mW

## SPECIFICATION

### CONTACT DATA

Contact Form	1 Form C	
Contact Material	AuAg overlay	
Contact Rating	1A 120VAC/24VDC	
Contact Resistance	Max. 50mΩ (6VDC 0.1A)	
Load	Max. Switching Voltage	120VAC/30VDC
	Max. Switching Current	2A
	Max. Switching Power	120VA, 30W
	Min. Switching Load	5VDC, 10mA
Life	Electrical	100,000 operations
	Mechanical	10,000,000 operations

### COIL DATA

Nominal Coil Power	330mW, 450mW
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### GENERAL DATA

Insulation Resistance		Min. 100MΩ 500VDC
Dielectric Strength	Between open contacts	500VAC, 1min
	Between coil and contacts	500VAC, 1min
Operate Time		Max. 6ms
Release Time		Max. 4ms
Operating Temperature		-25°C to +70°C
Humidity		35~95%RH, +40°C
Shock Resistance	Endurance	1,000m/s <sup>2</sup>
	Misoperation	100m/s <sup>2</sup>
Vibration Resistance	Endurance	10~55Hz, 1.5mm double amplitude
	Misoperation	10~55Hz, 1.5mm double amplitude
Weight		Approximately 1.7g

Note: Data shown are of initial value

## SAFETY APPROVAL

File Number	Contact Form	Power Consumption	Coil Voltage	Contact Rating	Remarks
UL E164730	C	0.45W/0.33W	3-24VDC	1A 120VAC/24VDC	Ambient Temperature: 40°C
CSA 1063017(LR 106040)	C	0.45W/0.33W	3-24VDC	1A 120VAC/24VDC	Ambient Temperature: normal

Specifications subject to change without notice

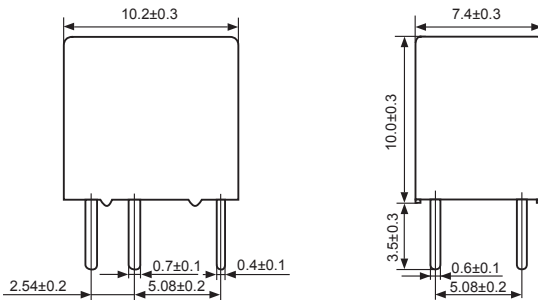
COIL DATA

Ambient Temperature: 23°C

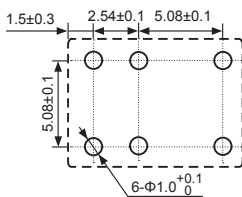
Model	Nominal Voltage VDC	Coil Resistance $\Omega$ +/-10%	Operate Voltage $\leq$ VDC	Release Voltage $\geq$ VDC	Coil Power mW
HRA-S-DC3V	3	20	2.1	0.3	450
HRA-S-DC5V	5	55	3.5	0.5	
HRA-S-DC6V	6	80	4.2	0.6	
HRA-S-DC9V	9	180	6.3	0.9	
HRA-S-DC12V	12	320	8.4	1.2	
HRA-S-DC24V	24	1280	16.8	2.4	
HRAH-S-DC3V	3	28	2.1	0.3	330
HRAH-S-DC5V	5	75	3.5	0.5	
HRAH-S-DC6V	6	110	4.2	0.6	
HRAH-S-DC9V	9	245	6.3	0.9	
HRAH-S-DC12V	12	440	8.4	1.2	
HRAH-S-DC24V	24	1515	16.8	2.4	

OUTLINE, WIRING DIAGRAM, MOUNTING HOLE LAYOUT (UNIT: mm)

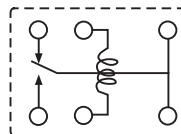
Outline



Mounting Hole Layout (Bottom View)

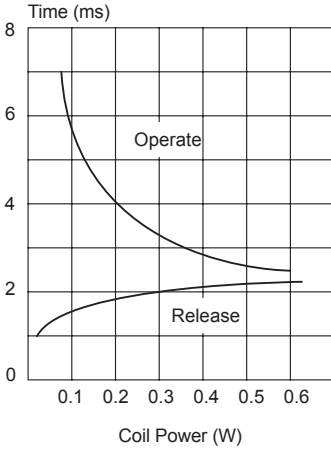


Wiring Diagram (Bottom View)

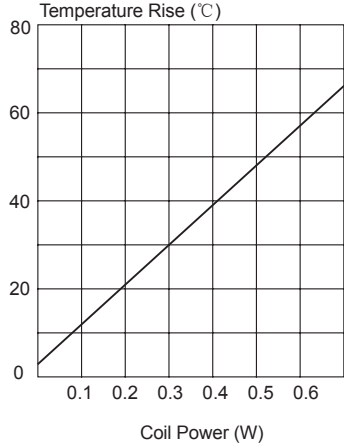


**REFERENCE DATA**

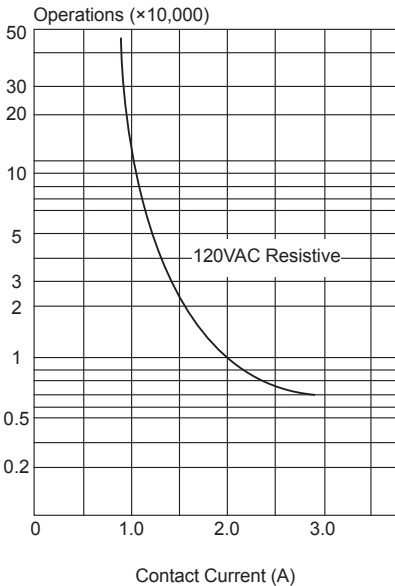
Time Curve



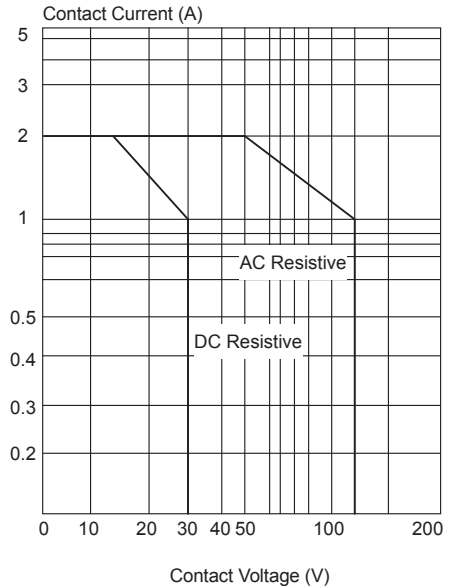
Coil Temperature Rise



Life Curve



Maximum Switching Power



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