



# HRS2H

## Relay



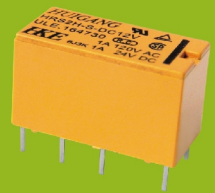
E164730



CQC03001008746



50097843



### 1. COIL DATA

1-1.Nominal Voltage	3,5,6,9,12,24VDC
1-2.Coil Resistance	Refer to Coil Data Chart
1-3.Operate Voltage	Refer to Coil Data Chart
1-4.Release Voltage	Refer to Coil Data Chart
1-5.Coil Power	150mW、200mW

### 2. CONTACT DATA

2-1.Contact Form	C-2 form C
2-2.Contact Material	AuAg overlay,Ag Alloy
2-3.Contact Rating	1A 120VAC/24VDC
2-4.Max.Switching Voltage	125VAC/30VDC
2-5.Max.Switching Current	2A(Standard type),1A (High sensitivity)
2-6.Max.Switching Power	120VA,30W
2-7.Min.Switching Load	5VDC,10mA
2-8.Contact Resistance(Standard type)	Max.50mΩ ( 6VDC 0.1A )
Contact Resistance(High sensitivity)	Max.100mΩ ( 6VDC 0.1A )
2-9.Life	
Electrical	100,000 operations at nominal load
Mechanical	15,000,000 operations

### 3. GENERAL DATA

3-1.Insulation Resistance	Min.1000MΩ 500VDC
3-2.Dielectric Strength	750VAC,1min between open contacts(Standard type) 500VAC,1min between open contacts(High sensitivity) 1,000VAC,1min between coil and contacts
3-3.Operate Time	Max.7ms
3-4.Release Time	Max.3ms
3-5.Operate Temperature	-25 ~+70°C
3-6.Shock Resistance	
Endurance	1,000m/s <sup>2</sup>
Misoperation	100m/s <sup>2</sup>
3-7.Vibration Resistance	
Endurance	10 -55Hz,1.5mm double amplitude
Misoperation	10 -55Hz,1.5mm double amplitude
3-8.Humidity	35~95%RH,+40°C
3-9.Weight	Approximately5.0g
3-10.Safety	UL NO.E164730 TUV NO.50097843 CQC NO.03001008746



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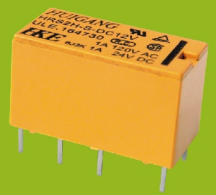
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### 4. ORDER CODE

HRS2 H - S - DC5V - T

- T: High Sensitivity 150mW(NEW)
- N: High Sensitivity 200mW(NEW)
- COIL VOLTAGE  
DC3V, DC5V, DC6V, DC9V, DC12V, DC24V
- ENCLOSURE  
S - Plastic Sealed Type
- H - High Sensitivity
- MODEL

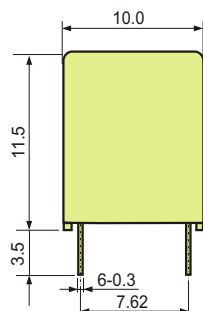
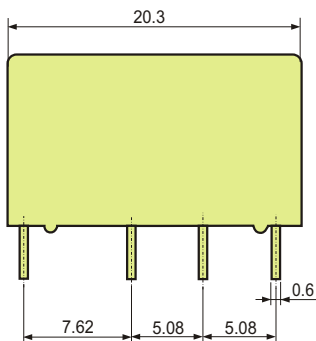
### 5. COIL DATA CHART

20°C

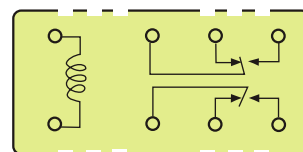
Model	Nominal Voltage VDC	Coil Resistance $\Omega$ +/-10%	Operate Voltage $\leq$ VDC	Release Voltage $\geq$ VDC	Coil Power mW
HRS2H-S-DC3V-N	3	45	2.25	0.3	200
HRS2H-S-DC5V-N	5	125	3.75	0.5	
HRS2H-S-DC6V-N	6	180	4.5	0.6	
HRS2H-S-DC9V-N	9	405	6.75	0.9	
HRS2H-S-DC12V-N	12	720	9.0	1.2	
HRS2H-S-DC24V-N	24	2880	18.0	2.4	
HRS2H-S-DC3V-T	3	60	2.25	0.3	150
HRS2H-S-DC5V-T	5	166	3.75	0.5	
HRS2H-S-DC6V-T	6	240	4.5	0.6	
HRS2H-S-DC9V-T	9	540	6.75	0.9	
HRS2H-S-DC12V-T	12	960	9.0	1.2	
HRS2H-S-DC24V-T	24	3840	18.0	2.4	

### 6. DIMENSIONS(mm)

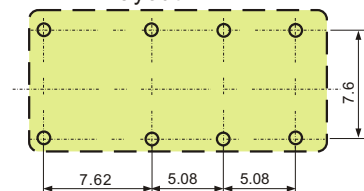
Dimensions



Wiring Diagrams

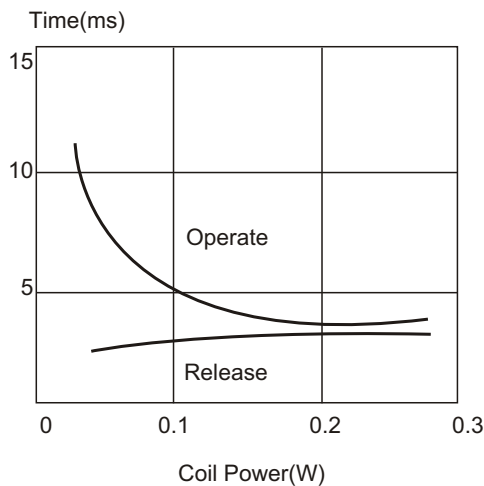


Mounting Hole Layout

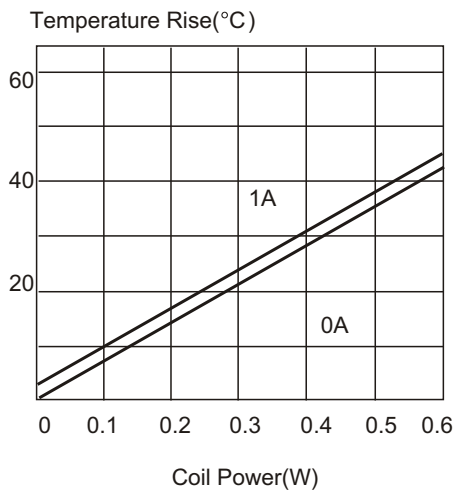


7.HRS2H CHARACTERISTIC CHART DATA

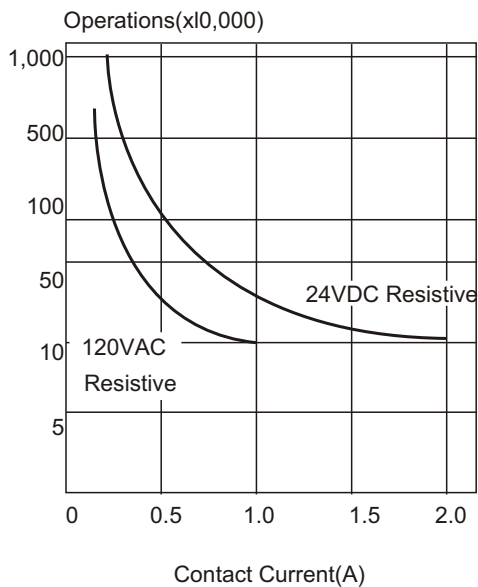
Timing



Coil Temperature Rise



Life Curves



Max.Switching Power

