

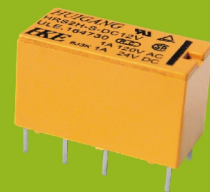


# HRS2H RELAY

UL  
E164730

CCC  
CQC03001008746

50097843



## 1. COIL DATA

1-1. Normal Voltage	3,5,6,9,12,24,48VDC
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、360mW、450mW

## 2. CONTACT DATA

2-1. Contact Form	C-Change-over(2 Form)
2-2. Contact Material	AuAg overlay, Ag Alloy
2-3. Contact Load	1A 120VAC/24VDC
2-4. Max. Switching Voltage	125VAC/30VDC
2-5. Max. Switching Current	2A
2-6. Max. Switching Power	240VA,60W
2-7. Min. Switching Voltage/Current	5VDC,10mA
2-8. Contact Resistance(initial) (standard)	Max.50mΩ (6VDC 0.1A)

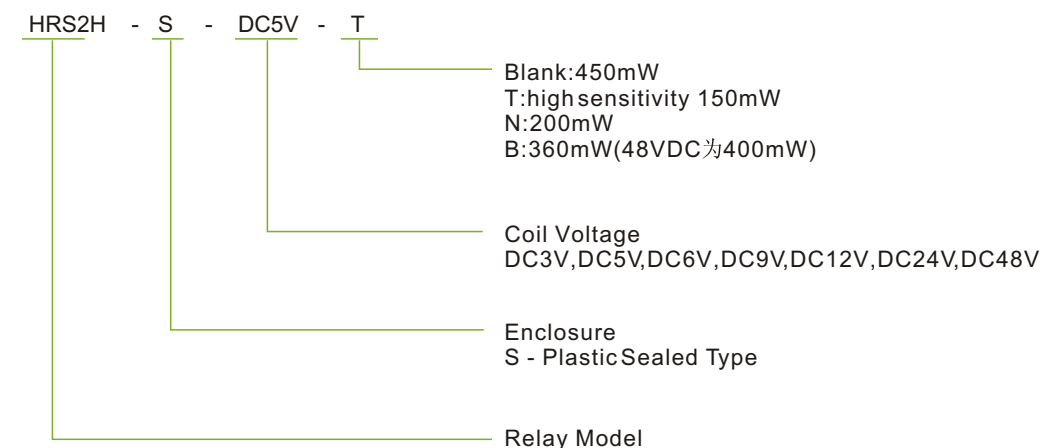
## 2-9. Endurance

Electrical Endurance	100,000 operations
Mechanical Endurance	15,000,000 operations

## 3. GENERAL DATA

3-1. Insulation Resistance	Min.1000MΩ .500VDC
3-2. Dielectric Strength	750VAC, 1min between contacts 1,000VAC, 1min between contact and coil
3-3. Surge Voltage	1,500VAC, 10x160μs
3-4. Operate Time	Max.7ms
3-5. Release Time	Max.3ms
3-6. Ambient Temperature	-25~+70℃
3-7. Shock	
Mechanical Durability	1,000m/s <sup>2</sup>
Malfunction Durability	100m/s <sup>2</sup>
3-8. Vibration	
Mechanical Durability	10 ~ 55Hz, 1.5mm double amplitude
Malfunction Durability	10 ~ 55Hz, 1.5mm double amplitude
3-9. Relative Humidity	35%~95%RH, +40℃
3-10. Weight	approximately 5g.
3-11. Safety	UL NO.E164730 TUV NO.R50097843 CQC NO.03001008746

## 4. ORDER CODE

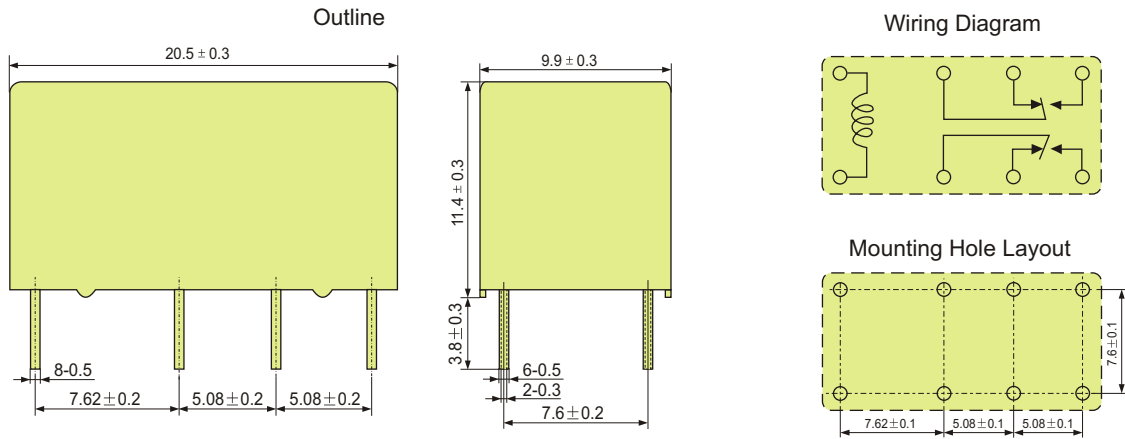


## 5. COIL DATA CHART

23℃

Model	Coil Voltage Vdc	Coil Resistance Ω +/-10%	Operate Voltage ≤Vdc	Release Voltage ≥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-DC48V-N	48	11520	36.0	4.8	150
HRS2H-S-DC3V-T	3	60	2.25	0.3	
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	
HRS2H-S-DC48V-T	48	15360	36.0	4.8	360
HRS2H-S-DC3V-B	3	25	2.25	0.3	
HRS2H-S-DC5V-B	5	69.4	3.75	0.5	
HRS2H-S-DC6V-B	6	100	4.5	0.6	
HRS2H-S-DC9V-B	9	225	6.75	0.9	
HRS2H-S-DC12V-B	12	400	9.0	1.2	
HRS2H-S-DC24V-B	24	1600	18.0	2.4	
HRS2H-S-DC48V-B	48	5760	36.0	4.8	400
HRS2H-S-DC3V	3	20	2.25	0.3	450
HRS2H-S-DC5V	5	55.6	3.75	0.5	
HRS2H-S-DC6V	6	80	4.5	0.6	
HRS2H-S-DC9V	9	180	6.75	0.9	
HRS2H-S-DC12V	12	320	9.0	1.2	
HRS2H-S-DC24V	24	1280	18.0	2.4	
HRS2H-S-DC48V	48	5120	36.0	4.8	

6. OUTLINE DIMENSION(mm)



7. HRS2 Characteristic curve

