

HRS2 Relay

1. COIL DATA

1-1.Nominal 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.Nominal Power	200mW、360mW、450mW

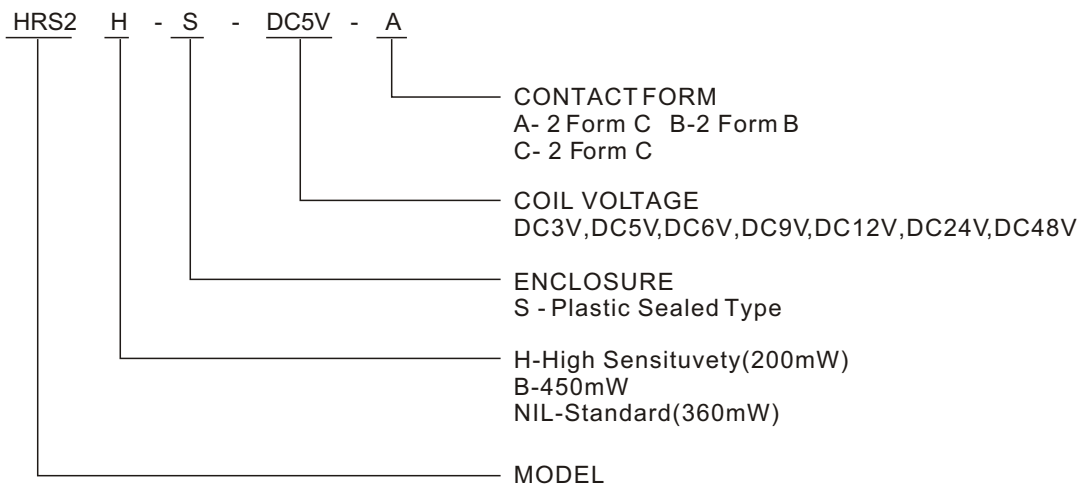
2. CONTACT DATA

2-1.Contact Form	A-2 form A, B-2 form B, C-2 form C
2-2.Contact Material	AuAg
2-3.Contact Rating	1A 120VAC/24VDC
2-4.Max.Switching Voltage	250VAC/30VDC
2-5.Max.Switching Current	2A
2-6.Max.Switching Power	120VA,30W
2-7.Min.Switching Load	5VDC,10mA
2-8.Contact Resistance	Max.50m Ω (6VDC 1A)
2-9.Life	
Electrical (standard)	100,000 operations (1A 120VAC) 200,000 operations (0.5A 120VAC) 300,000 operations (1A 24VDC) 1,000,000 operations (0.15A 48VDC)
Mechanical	10,000,000 operations

3. GENERAL DATA

3-1.Insulation Resistance	Min.100M Ω .500VDC
3-2.Dielectric Strength	750VAC,1min between open contacts 1,000VAC,1min between coil and contacts
3-3.Surge Strength	1,500VAC,10x160 μ s
3-4.Operate Time	Max.6ms
3-5.Release Time	Max.4ms
3-6.Operate Temperature	-30 \sim +70 $^{\circ}$ C
3-7.Shock Resistance	
Endurance	1,000m/s ²
Misoperation	100m/s ²
3-8.Vibration Resistance	
Endurance	10 \sim 55Hz,1.5mm double amplitude
Misoperation	10 \sim 55Hz,1.5mm double amplitude
3-9.Humidity	35% \sim 95%RH,+40 $^{\circ}$ C
3-10.Weight	Approximately 5g.
3-11.Safety	UL NO.E164730 CSA NO.1467343(LR109368-2) TUV NO.R50062786 CQC NO.03001008746

4. ORDER CODE

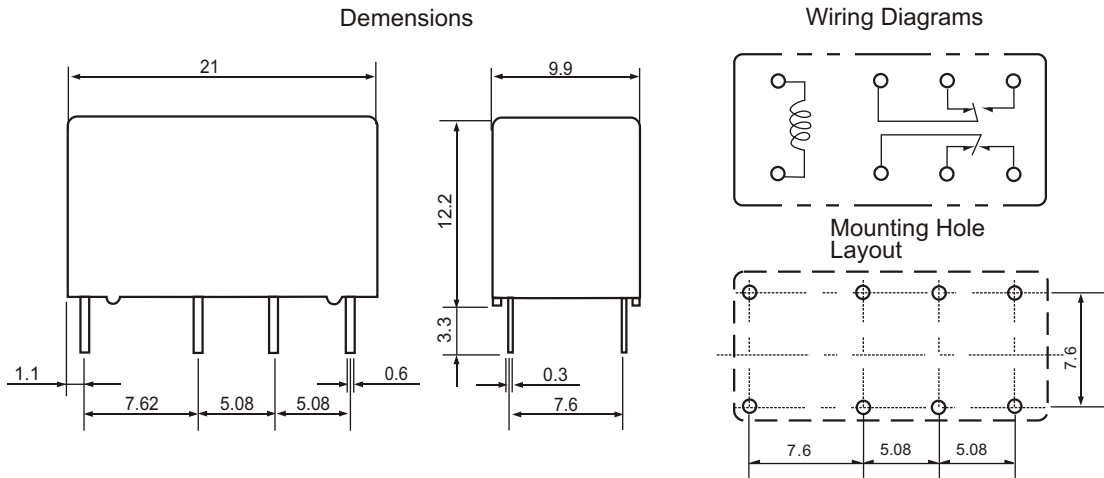


5. COIL DATA CHART

20°C

Model	Nominal Voltage VDC	Coil Resistance Ω +/-10%	Operate Voltage \leq VDC	Release Voltage \geq VDC	Coil Power mW
HRS2B-(S)-DC3V	3	20	2.1	0.30	450
HRS2B-(S)-DC5V	5	56	3.5	0.50	
HRS2B-(S)-DC6V	6	80	4.2	0.60	
HRS2B-(S)-DC9V	9	180	6.3	0.90	
HRS2B-(S)-DC12V	12	320	8.4	1.20	
HRS2B-(S)-DC24V	24	1280	16.8	2.40	
HRS2B-(S)-DC48V	48	5120	33.6	4.80	
HRS2-(S)-DC3V	3	25	2.1	0.30	360
HRS2-(S)-DC5V	5	70	3.5	0.50	
HRS2-(S)-DC6V	6	100	4.2	0.60	
HRS2-(S)-DC9V	9	225	6.3	0.90	
HRS2-(S)-DC12V	12	400	8.4	1.20	
HRS2-(S)-DC24V	24	1600	16.8	2.40	
HRS2-(S)-DC48V	48	5760	33.6	4.80	
HRS2H-(S)-DC3V	3	45	2.1	0.30	200
HRS2H-(S)-DC5V	5	125	3.5	0.50	
HRS2H-(S)-DC6V	6	180	4.2	0.60	
HRS2H-(S)-DC9V	9	405	6.3	0.90	
HRS2H-(S)-DC12V	12	720	8.4	1.20	
HRS2H-(S)-DC24V	24	2880	16.8	2.40	

6.DIMENSIONS (mm)



7.HRS2 CHARACTERISTIC CHART DATA

