



Part No.

HRT4100

Signal Relay

ISO9001 ISO14001

**Features:**

- ⇒ Size :15.6×10.6×11.8(mm)
- ⇒ Max.3A switching capability
- ⇒ High sensitive :200mW
- ⇒ 1 Form C configuration



**Odering Information**

HRT4100 - S - DC12V - C

①                      ②                      ③                      ④

- ① Part No.
- ② Enclosure :Plastic sealed
- ③ Coil Voltage :  
DC 3,5,6,9,12,24V
- ④ Contact form:  
A: 1 N/O    C : 1 C/O

**Specification:**

Contact		Characteristics	
Contact Form	1 Form C	Insulation resistance	Min 100MΩ(500VDC)
Contact Material	Ag Alloy	Dielectric Strength	Between contact 750VAC 1min Between coil &contact 1000VAC 1min
Contact Resistance	50 mΩ(6VDC 0.1A)	Operate time	≤5 ms
Contact Rating(Resistance Load)	1A 250VAC/24VDC 3A 125VAC/24VDC	Release time	≤5 ms
Max Switching Voltage	250VAC/30VDC	Shock Enduranc	100 m/s <sup>2</sup>
Max Switching Current	3A	Resistance Damage	1000 m/s <sup>2</sup>
Max Switching Power	360VA 72W	Vibration Resistance	10-55 HZ 1.5mm DA
Electrical Life	100,000 ops	Humidity	35%-95% RH
Mechanical Life	5,000,000 ops	Ambient Temperature	-25 °C to 70°C
		Weigt	Approx. 4.0g

**Noted** :the data are initial value

Coil Data: at 23°C

(200mW)

Nominal Voltage VDC	Operate Voltage Max VDC	Release Voltage Min VDC	Max Voltage VDC	Coil Resistance Ω +/- 10%
3	2.25	0.30	6.00	45
5	3.75	0.50	9.00	120
6	4.50	0.60	12.00	180
9	7.00	0.90	18.00	400
12	9.00	1.20	24.00	700
24	18.50	2.40	48.00	2800

(360mW)

Nominal Voltage VDC	Operate Voltage Max VDC	Release Voltage Min VDC	Max Voltage VDC	Coil Resistance $\Omega$ +/- 10%
3	2.10	0.30	6.00	45
5	4.00	0.50	9.00	125
6	4.50	0.60	12.00	180
9	7.00	0.90	18.00	405
12	9.20	1.20	24.00	720
24	18.50	2.40	48.00	2880

Dimension(mm)

Tolerance  $\pm 0.2$

