

# JRC-23F

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#### **Features**

- · Low coil power consumption.
- High sensitivity.
- Small size, light weight.
- PC board mounting.
- Suitable for automation facilities, telecommunication equipment, wireless radio remote control, sound control toys application etc.

Ordering Information			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			
1 Part number: JRC-23F 2 Coil power consumption: NIL:0.2W; H:0.15W	3 Enclosure: S: Sealed type; NIL: Dust cover 4 Contact rating: 0.5:0.5A/125VAC; 1:1A/30VDC 5 Coil rated voltage(V): DC:1.5,3,5,6,9,12,24		

### **Contact Data**

Contact Arrangement	1C (SPDT(B-M))	
Contact Material	Ag (Au clad) AgNi (Au clad)	
Contact Rating (resistive)	0.5A/125VAC, 1A/30VDC, 0.3A/60VDC	
Max. Switching Power	30W 62.5VA	
Max. Switching Voltage	60VDC 125VAC	Max. Switching Current: 1A
Contact Resistance or Voltage drop	≤100m Ω	item 4.12 of IEC 61810-7
Operational Electrical Mechanical	10 <sup>5</sup> 5×10 <sup>6</sup>	item 4.30 of IEC 61810-7 item 4.31 of IEC 61810-7

#### **CAUTION:** 1. For the intermediate current, it only applies to the room temperature.

2. For gold plated version, the min. Switching current and min. switching voltage is 50mA/6VDC; for non gold plated version(standard type), the min. switching current and min. switching voltage is 100mA/6VDC.

#### **Coil Parameter**

Dash	Coil voltage VDC		Coil	Pickup voltage VDC(max)	Release voltage VDC(min)	Coil power	Operate	Release
numbers	Rated	Max.	resistance Ω±10%	(80%of rated voltage)	(10% of rated voltage)	consumption W	Time ms	Time ms
001-150 003-150 005-150 006-150 009-150 012-150 024-150	1.5 3 5 6 9 12 24	3.0 6.0 10.0 12.0 18.0 24.0 48.0	15.0 60.0 166.7 240.0 540.0 960.0 3840.0	1.2 2.4 4.0 4.8 7.2 9.6 19.2	0.15 0.30 0.50 0.60 0.90 1.20 2.40	0.15	<b>&lt;</b> 5	<b>&lt;</b> 5
001-200 003-200 005-200 006-200 009-200 012-200 024-200	1.5 3 5 6 9 12 24	2.25 4.5 7.5 9.0 13.5 18.0 36.0	11.3 45.0 125.0 180.0 405.0 720.0 2880.0	1.2 2.4 4.0 4.8 7.2 9.6 19.2	0.15 0.30 0.50 0.60 0.90 1.20 2.40	0.2	≪5	≪5

#### CAUTION: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.

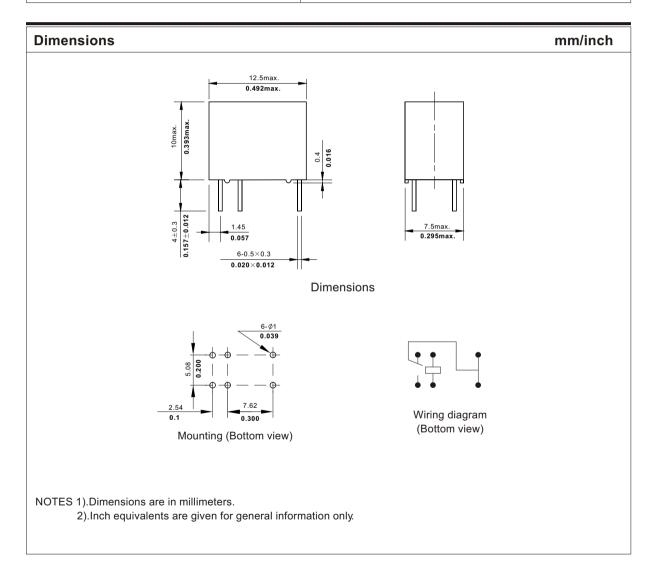
- 2. Pickup and release voltage are for test purposes only and are not to be used as design criteria.
- 3.Unless otherwise stated, the rated coil voltage specified in coil parameter table shall be used for all tests and its application to the relay.

#### Operation condition

Insulation Resistance	1000M Ω min (at 250V 500V)	Item 7 of IEC 60255-5
Dielectric Strength		
Between contacts	50Hz 400V	Item 6 of IEC 60255-5
Between contact and coil	50Hz 1000V	Item6 of IEC60255-5
Shock resistance	100m/s <sup>2</sup> 11ms	IEC 68-2-27 Test Ea
Vibration resistance	10~55Hz double amplitude 3.3mm	IEC 68-2-6 Test Fc
Terminals strength	5N	IEC 68-2-21 Test Ua1
Solderability	235℃ ± 2℃ 3 ± 0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-30~70℃	
Relative Humidity	35%~85% (at 40℃)	IEC 68-2-3 Test Ca
Mass	2.2 g	

## Safety approvals

Safety approval	UL&CUR	
Load	1A/30VDC 0.5A/125VAC 0.3A/60VDC	



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