



12.5×7.5×10

# J R C - 2 3 F



on Pending

## 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

**JRC-23F** H S 1 DC12V  
 1 2 3 4 5

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/24VDC

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)
Contact Rating (resistive)	0.5A/125VAC, 1A/24VDC
Max. Switching Power	30W 62.5VA
Max. Switching Voltage	60VDC 125VAC
Contact Resistance or Voltage drop	≤100mΩ
Operator life	Electrical 10 <sup>5</sup>
	Mechanical 5×10 <sup>6</sup>
	Max. Switching Current: 1A item 3.12 of IEC255-7 item 3.30 of IEC255-7 item 3.31 of IEC255-7

## Coil Parameter

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

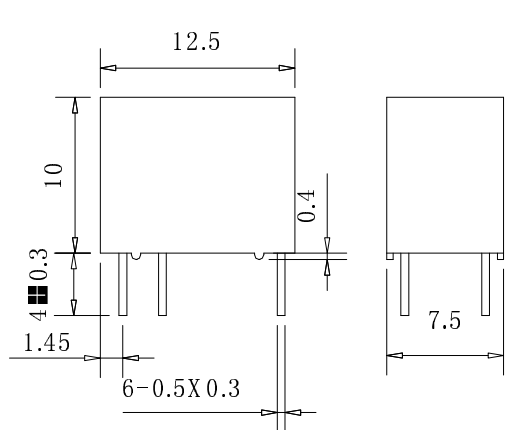
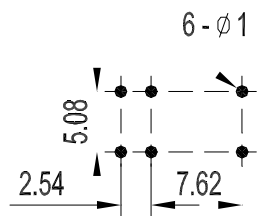
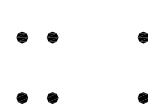
**CAUTION:** 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.  
 2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

**Operation condition**

Insulation Resistance	1000M $\Omega$ min (at 250V 500V)	Item 7 of IEC255-5
Dielectric Strength		
Between contacts	50Hz 400V	Item 6 of IEC255-5
Between contact and coil	50Hz 1000V	Item 6 of IEC255-5
Shock resistance	100m/s <sup>2</sup> 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~55Hz double amplitude 3.3mm	IEC68-2-6 Test Fc
Terminals strength	5N	IEC68-2-21 Test Ua1
Solderability	235 $\pm$ 2 $\text{C}$ 3 $\pm$ 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-30~70 $\text{C}$	
Relative Humidity	35%~85% (at 40 $\text{C}$ )	IEC68-2-3Test Ca
Mass	2.2 g	

**Qualification inspection:**

Perform the qualification test as specified in the table IV of IEC255-19-1 and minimum sample size 24.

Dimensions (Unit: mm)																													
 <p style="text-align: center;">Dimensions</p>	<table border="0"> <tr><td>mm</td><td>inch</td></tr> <tr><td>0.3</td><td>0.012</td></tr> <tr><td>0.4</td><td>0.016</td></tr> <tr><td>0.5</td><td>0.020</td></tr> <tr><td>1.0</td><td>0.039</td></tr> <tr><td>1.45</td><td>0.057</td></tr> <tr><td>2.54</td><td>0.100</td></tr> <tr><td>4.0</td><td>0.157</td></tr> <tr><td>5.08</td><td>0.200</td></tr> <tr><td>7.5</td><td>0.295</td></tr> <tr><td>7.62</td><td>0.300</td></tr> <tr><td>10.0</td><td>0.393</td></tr> <tr><td>12.5</td><td>0.492</td></tr> </table>	mm	inch	0.3	0.012	0.4	0.016	0.5	0.020	1.0	0.039	1.45	0.057	2.54	0.100	4.0	0.157	5.08	0.200	7.5	0.295	7.62	0.300	10.0	0.393	12.5	0.492		
mm	inch																												
0.3	0.012																												
0.4	0.016																												
0.5	0.020																												
1.0	0.039																												
1.45	0.057																												
2.54	0.100																												
4.0	0.157																												
5.08	0.200																												
7.5	0.295																												
7.62	0.300																												
10.0	0.393																												
12.5	0.492																												
 <p style="text-align: center;">Mounting (Bottom views)</p>	 <p style="text-align: center;">Wiring diagram (Bottom views)</p>																												
<p><b>NOTES</b> 1).Dimensions are in millimeter. 2).Inch equivalents are given for general information only.</p>																													