

12.5×7.5×10

# JRC-23F

 us E158859

## 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 DC12V  
 1            2            3            4

1 Part number: JRC-23F  
 2 Coil power consumption: NIL:0.2W; H:0.15W

3 Enclosure: S: Sealed type; NIL: Dust cover  
 4 Coil rated voltage(V): DC:1.5,3,5,6,9,12,24

## Contact Data

Contact Arrangement		1C (SPDT(B-M))	
Contact Material		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		≤100mΩ	item 4.12 of IEC 61810-7
Operational life	Electrical	10 <sup>5</sup>	item 4.30 of IEC 61810-7
	Mechanical	5×10 <sup>6</sup>	item 4.31 of IEC 61810-7

**CAUTION:** The min. Switching current and min. switching voltage is 50mA/6VDC.

## 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.
  - 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

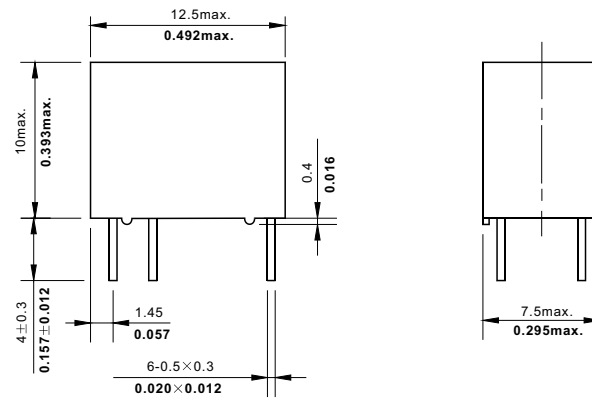
Insulation Resistance	1000MΩ min (at 500V)	Item 7 of IEC 60255-5
Dielectric Strength		
Between contacts	50Hz 400V	Item 6 of IEC 60255-5
Between contact and coil	50Hz 1000V	Item 6 of IEC 60255-5
Shock resistance	100m/s <sup>2</sup> 11ms	IEC 68-2-27 Test Ea
Vibration resistance	10Hz~55Hz double amplitude 3.3mm	IEC 68-2-6 Test Fc
Terminals strength	5N	IEC 68-2-21 Test Ua1
Solderability	235℃ ± 2℃ 3s ± 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	2.2g	

### Safety approvals

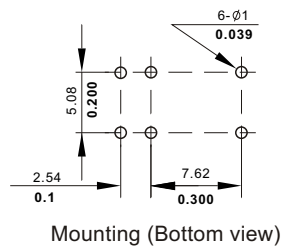
Safety approval	UL&CUR
Load	1A/30VDC 0.5A/125VAC 0.3A/60VDC

### Dimensions

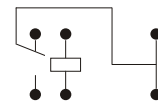
mm/inch



Dimensions



Mounting (Bottom view)



Wiring diagram (Bottom view)

NOTES 1).Dimensions are in millimeters.  
2).Inch equivalents are given for general information only.