



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.

Contact Data

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

Coil Parameter

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.							
1.5	1.7	15.0	11.3	1.2	0.15	0.15/0.2	≤5	≤5
3	3.3	60.0	45.0	2.4	0.30			
5	5.5	166.7	125.0	4.0	0.50			
6	6.6	240.0	180.0	4.8	0.60			
9	9.9	540.0	405.0	7.2	0.90			
12	13.2	960.0	720.0	9.6	1.20			
24	26.5	3840.0	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	1000MΩ min (at 500VDC)	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 ² 11ms	IEC68-2-27 Test Ea method 1
Vibration resistance	10~55Hz double amplitude 3.3mm	IEC68-2-6 Test Fc
Terminals strength	5N	IEC68-2-21 Test Ua1
Solderability	230℃ ±2℃ 10 ±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-30~70℃	
Relative Humidity	35%~85% (at 40℃)	IEC68-2-3Test Ca
Mass	2.2g .	

Qualification inspection:

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

Ordering Information	
JRC-23FH S 1DC12V	
	Coil rated DC Voltage 1.5V, 3V, 5V, 6V, 9V, 12V, 24V
	Contact Rating 0.5: 0.5A/125VAC, 1: 1A/24VDC
	NIL:Covered ; S: Sealed type
	Coil power consumption: NIL: 0.2W, H: 0.15W
	Part number: JRC-23F

Dimensions (Unit: mm)

The technical drawings include a side view with dimensions 12.5 (width), 1.0 (height), 0.4 (flange thickness), 1.45 (lead length), and 6 - 0.5 x 0.3 (lead spacing). A front view shows a width of 7.5. A mounting view shows a 6-hole pattern with a diameter of 1mm (6-∅1), a vertical spacing of 5.08mm, and horizontal spacings of 2.54mm and 7.62mm. A wiring diagram shows a coil and two contacts.

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

Mounting (Bottom views) Wiring diagram (Bottom views)

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