

12.5×7.3×9.5

JRC-23F

c UL 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	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） AgNi（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
Operational life	Electrical	10^5	item 3.30 of IEC255-7
	Mechanical	5×10^6	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.
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 250V 500V)	Item 7 of IEC255-5
Dielectric Strength Between contacts Between contact and coil	 50Hz 400V 50Hz 1000V	 Item 6 of IEC255-5 Item 6 of IEC255-5
Shock resistance	100m/s^2 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℃ ±2℃ 3±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-30~70℃	
Relative Humidity	35%~85% (at 40℃)	IEC68-2-3Test Ca
Mass	2.2 g	

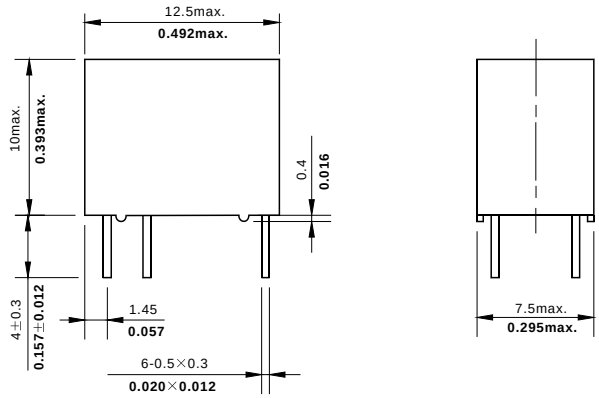
Qualification inspection:

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

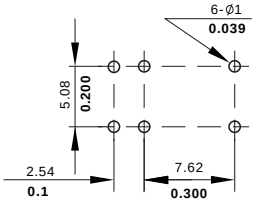
Safety approvals

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

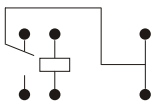
Dimensions mm/inch



Dimensions



Mounting (Bottom view)



Wiring diagram
(Bottom view)

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