



12.5×7.5×10

JRC-23F

UL E169380

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 : NIL:0.2W; H:0.15W

3 Enclosure: S:Wash tight ; NIL:Flux proof
 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 plated)		
Contact Rating	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	
Electrical Endurance	1×10 ⁵	Item 4.30 of IEC 61810-7	
Mechanical Endurance	5×10 ⁶	Item 4.31 of IEC 61810-7	

Notes: The min. switching current and min. switching voltage is 50mA/6VDC.

Coil Parameter

Coil voltage VDC		Coil resistance Ω ± 10%	Pick-up voltage VDC(max) (80% of rated voltage)	Drop-out voltage VDC(min) (10% of rated voltage)	Coil power W	Operate time ms	Release time ms
Rated	Max.						
1.5	3	15	1.2	0.15	0.15	≤5	≤5
3	6	60	2.4	0.30			
5	10	166.7	4.0	0.50			
6	12	240	4.8	0.60			
9	18	540	7.2	0.90			
12	24	960	9.6	1.20			
24	48	3840	19.2	2.40			
1.5	2.25	11.3	1.2	0.15	0.2	≤5	≤5
3	4.5	45	2.4	0.30			
5	7.5	125	4.0	0.50			
6	9.0	180	4.8	0.60			
9	13.5	405	7.2	0.90			
12	18.0	720	9.6	1.20			
24	36.0	2880	19.2	2.40			

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

2.Pick-up and drop-out 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 and its suitable polarity(if applicable) shall be used for all tests and its application to the relay.

Characteristics

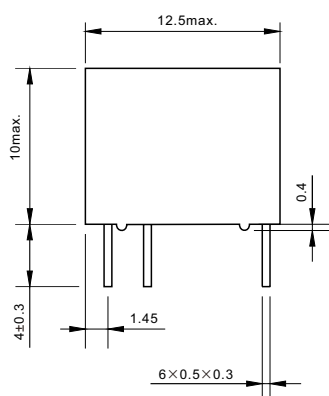
Insulation Resistance	1000MΩ min (at 500V)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Open Contacts Between Contact and Coil	400VAC 1min 1000VAC 1min	Item 4.9 of IEC 61810-7
Shock Resistance	98m/s ² 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 3.3mm	Item 4.28 of IEC 61810-7
Terminals Strength	5N	Item 4.24 of IEC 61810-7
Ambient Temperature	-30℃~70℃	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Weight(Approx.)	2.2g	Item 4.7 of IEC 61810-7

Safety Approvals

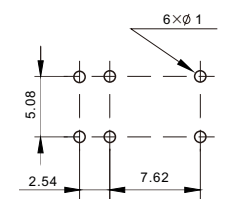
Safety approval	UL&CUR
Load	1A/30VDC; 0.5A/125VAC; 0.3A/60VDC

Dimensions

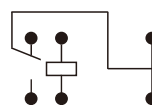
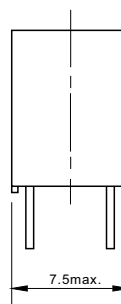
mm



Dimensions



Mounting (Bottom view)



Wiring diagram
(Bottom view)

Remark: In case of no tolerance shown in outline dimension: outline dimension ≤1mm, tolerance should be ±0.2mm ;
outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.