

JRC-23F



12.5×7.5×10

 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 : 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(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	1×10 ⁵	Item 4.30 of IEC 61810-7
	Mechanical	5×10 ⁶	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%	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.									
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.

Characteristics

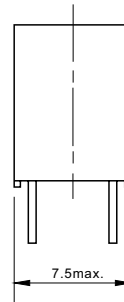
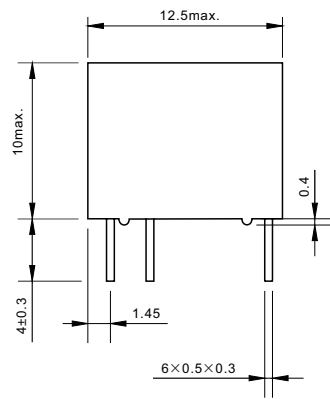
Insulation Resistance	1000MΩmin (at 500V)	Item 4.11 of IEC 60255-5
Dielectric Strength Between Contacts Between Contact and Coil	50Hz 400V 50Hz 1000V	Item 4.7 of IEC 61810-7 Item 4.7 of IEC 61810-7
Shock Resistance	98m/s ² 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 3.3mm	Item 4.28 of IEC 61810-7
Terminals Strength	5N	Item 4.24 of IEC 61810-7
Ambient Temperature	-30°C~70°C	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Mass	2.2g	Item 4.7 of IEC 61810-7

Safety Approvals

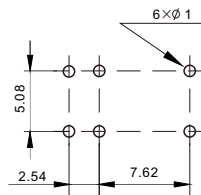
Safety approval	UL&CUR
Load	1A/30VDC; 0.5A/125VAC; 0.3A/60VDC

Dimensions

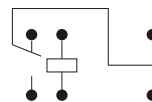
mm



Dimensions



Mounting (Bottom view)



Wiring diagram
(Bottom view)

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