



JRC-23F

us E169380

12.5 × 7.5 × 10

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/30VDC
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/30VDC, 0.3A/60VDC | | | |
| Max. Switching Power | 30W 62.5VA | | | |
| Max. Switching Voltage | 60VDC 125VAC Max. Switching Current: 1A | | | |
| Contact Resistance or Voltage drop | $\leq 100\text{m}\Omega$ item 4.12 of IEC 61810-7 | | | |
| Operational life | Electrical | 10^5 | item 4.30 of IEC 61810-7 | |
| | Mechanical | 5×10^6 | item 4.31 of IEC 61810-7 | |

Coil Parameter

| Dash numbers | Coil voltage VDC | | Coil resistance $\Omega \pm 10\%$ | 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 | | | |
| 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 | | | |
| 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.

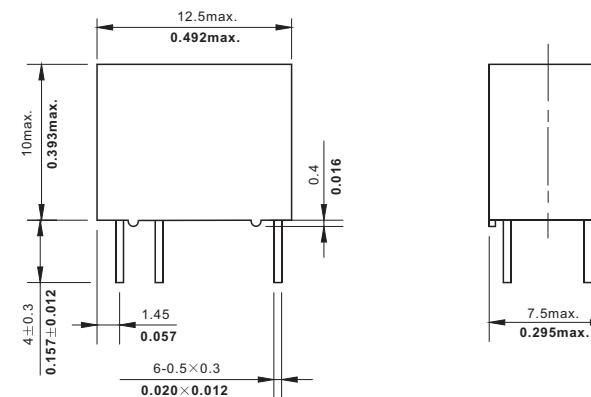
Operation condition

| | | |
|--------------------------|-----------------------------------|-----------------------------|
| Insulation Resistance | 1000M Ω min (at 250V 500V) | Item 7 of IEC 61810-5 |
| Dielectric Strength | | |
| Between contacts | 50Hz 400V | Item 6 of IEC 61810-5 |
| Between contact and coil | 50Hz 1000V | Item 6 of IEC 61810-5 |
| 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°C ± 2°C 3 ± 0.5s | IEC68-2-20 Test Ta method 1 |
| Ambient Temperature | -30~70°C | |
| Relative Humidity | 35%~85% (at 40°C) | IEC68-2-3 Test Ca |
| Mass | 2.2 g | |

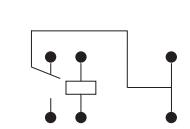
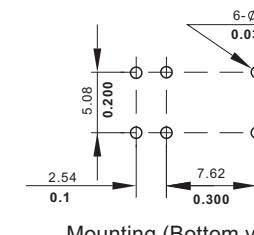
Safety approvals

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

Dimensions



Dimensions



Wiring diagram
(Bottom view)

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