



12.5×7.5×10

JRC-23F

UL 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 3 Enclosure: S: Sealed type; NIL: Dust cover
 2 Coil power consumption: NIL:0.2W; H:0.15W; S:0.2W; DC:0.2W
 4 Coil voltage(V): DC:1.5,3,5,6,9,12,24

JRC-23FSDC12V

Contact Data

| | |
|----------------------------|--|
| Contact Arrangement | 1C () |
| Contact Material | AgNi |
| Contact Rating (resistive) | 0.5A/60VDC |
| Max. Switching Power | 30W |
| Max. Switching Voltage | 60VDC Max. Switching Current: 1A |
| Contact Resistance | ≤100mΩ 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 |

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

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

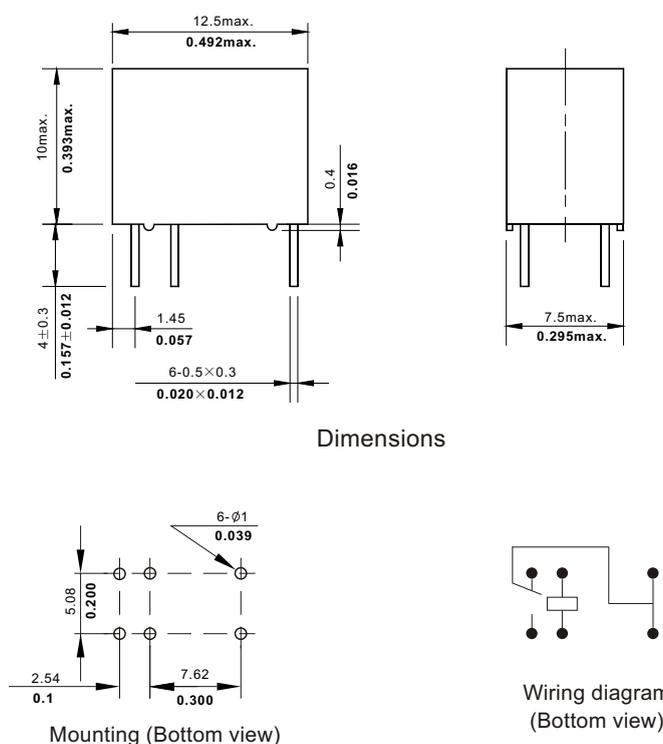
| | | |
|--------------------------|---|------------------------------|
| Insulation Resistance | 1000M Ω min (at 500V) | Item 7 of IEC 60255-5 |
| Dielectric Strength | | |
| Between contacts | 50Hz 400V | Item 6 of IEC 60255-5 |
| Between contact and coil | 50Hz 1000V | Item 6 of IEC 60255-5 |
| Shock resistance | 100m/s ² 11ms | IEC 68-2-27 Test Ea |
| Vibration resistance | 10Hz~55Hz double amplitude 3.3mm | IEC 68-2-6 Test Fc |
| Terminals strength | 5N | IEC 68-2-21 Test Ua1 |
| Solderability | 260 $^{\circ}$ C \pm 5 $^{\circ}$ C 5s \pm 0.5s | IEC 68-2-20 Test Ta method 1 |
| Ambient Temperature | -30 $^{\circ}$ C ~70 $^{\circ}$ C | |
| Relative Humidity | 35%~85% (at 40 $^{\circ}$ C) | IEC 68-2-3 Test Ca |
| Mass | 2.2g | |

Safety approvals

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

Dimensions

mm/inch



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