

39×30×17.5

JMX-94F

 03001003499

Features

- Magnet latching relay.
- High sensitivity & reliability.
- Well anti-shock and anti-vibration.
- Heavy contact load.

Ordering Information

JMX-94F A Z 60 DC12V D
 1 2 3 4 5 6

1 Part number: JMX-94F
 2 Contact arrangement: A:1A; B:1B
 3 Enclosure: S: Sealed type; Z: Dust cover

4 Contact current: 40:40A; 60:60A; 80:80A
 5 Coil rated voltage(V): DC: 9,12, 24
 6 Coil : NIL:Singal coil; D: Double coils

Contact Data

| | | | |
|-----------------------------------|------------------------------------|-----------------|--|
| Contact Arrangement | 1A (SPSTNO) , 1B (SPSTNC) | | |
| Contact Material | AgCdO | | |
| Contact Rating(resistive) | 80A/250VAC | 60A/250VAC | 40A/250VAC |
| Max. Switching Power | 20000VA | 15000VA | 10000VA |
| Max. Switching Voltage | 300VAC | | Max. Switching Current:80A |
| Contact Resistance & Voltage drop | ≤5mΩ (at 1A/24VDC) ≤100mV (40A) | | Item 4.12 of IEC 61810-7 Item 4.12 of IEC 61810-7 |
| Operation life | Electrical (Rated load) | 10 ⁴ | Item 4.30 of IEC 61810-7 |
| | Mechanical (No load) | 10 ⁶ | Item 4.31 of IEC 61810-7 |

Coil Parameter

| Dash numbers | Coil rated voltage VDC | Coil resistance Ω ± 10% | Switching voltage VDC (50%-70% of rated voltage) | Pulse magnitude ms | Coil power consumption W | Operate Time ms | Reset Time ms |
|--------------|------------------------|-------------------------|--|--------------------|--------------------------|-----------------|---------------|
| 1 Coil | | | | | | | |
| 009-1000 | 9 | 81 | 4.5~6.3 | ≥60 | 1 | ≤20 | ≤20 |
| 012-1000 | 12 | 144 | 6.0~8.4 | | | | |
| 024-1000 | 24 | 576 | 12.0~16.8 | | | | |
| 2 Coil | | | | | | | |
| 009-2000 | 9 | 2×40.5 | 4.5~6.3 | ≥60 | 2×2 | ≤20 | ≤20 |
| 012-2000 | 12 | 2×72 | 6.0~8.4 | | | | |
| 024-2000 | 24 | 2×288 | 12.0~16.8 | | | | |

CAUTION: 1.When latching relays are installed in equipment, the latch and reset coil should not be powered simultaneously. Coil should not be pulsed with less than the nominal coil voltage and pulse width should be a minimum of three times the specified operate time of the relay. If these conditions are not followed, it is possible for the relay to be the magnetically neutral position .
 2.Switching voltage is for test purpose only and are no to be used as design criteria.

Operation condition

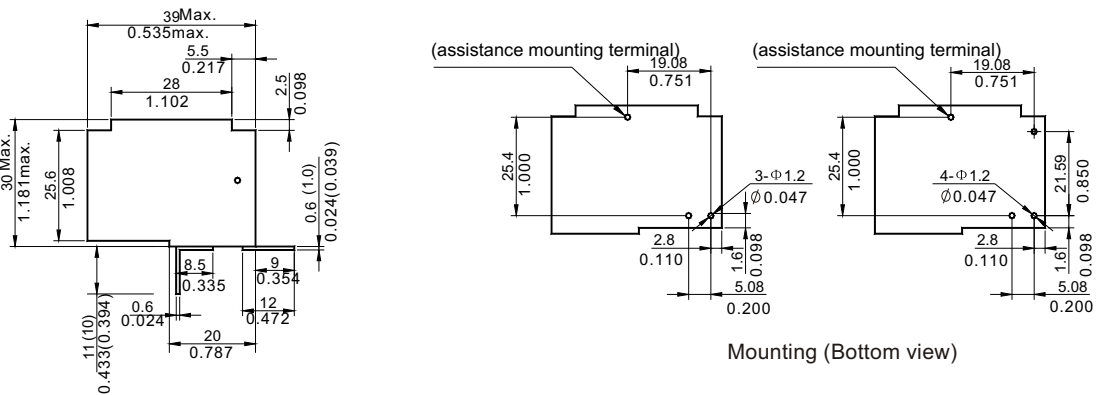
| | | |
|--------------------------|---|------------------------------|
| Insulation Resistance | 1000M Ω min (at 500VDC) | Item 7 of IEC 60255-5 |
| Dielectric Strength | | |
| Between contacts | 50Hz 1500V | Item 6 of IEC 60255-5 |
| Between contact and coil | 50Hz 4000V | Item 6 of IEC 60255-5 |
| Creepage distance | 8.4mm | Addenda B of IEC 60255-5 |
| Shock resistance | Functional 100m/s ² ;Survival:1000 m/s ² 11ms | IEC 68-2-27 Test Ea |
| Vibration resistance | 10Hz~55Hz Double amplitude 1.5mm | IEC 68-2-6 Test Fc |
| Terminals strength | 5N | IEC 68-2-21 Test Ua1 |
| Solderability | 235 $^{\circ}$ C \pm 2 $^{\circ}$ C 3s \pm 0.5s | IEC 68-2-20 Test Ta method 1 |
| Ambient Temperature | -25 $^{\circ}$ C~70 $^{\circ}$ C | |
| Relative Humidity | 85% (at 40 $^{\circ}$ C) | IEC 68-2-3 Test Ca |
| Mass | 40g | |

Safety approvals

| | |
|-----------------|------------|
| Safety approval | CQC |
| Load | 80A/220VAC |

Dimensions

mm /inch



Dimensions

Wiring diagram

- NOTES: 1).Dimensions are in millimeters.
 2).Inch equivalents are given for general information only.
 3).Relays shall have plus(+) signs or "+" and "-" placed on the circuit diagram as shown.

Reference Data

