FORWARD RELAYS



JMX-94F

39×30×17.5

COC 03001003499

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

Ordering Information

 $\frac{\mathbf{Z}}{3}$ $\frac{\mathbf{60}}{4}$ <u>JMX-94F</u> DC12V D A 1

5 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		AgCd O		
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		≤50mΩ (at 1A/24VDC) Item 4.12 of IEC 61810-7 ≤100mV (at rated load) 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		

6

Coil Parameter

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

CAUTION: 1. When latching relays are installed in equipment, the latch and reset coil should not be pulsed 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 in the magnetically neutral position .

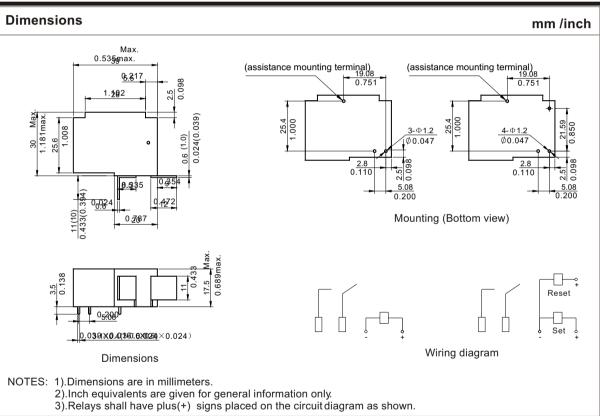
2.Switching voltage is for test purpose only and are no to be used as design criteria.

Operation condition

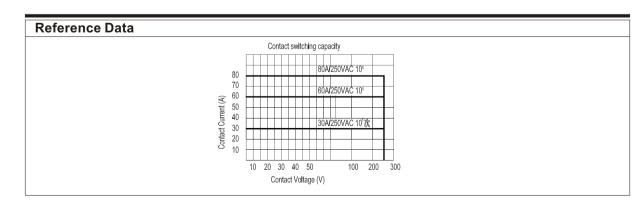
Operation condition		
Insulation Resistance	1000MΩ min (at 500VDC)	Item 7 of IEC 61810-5
Dielectric Strength		
Between contacts	50Hz 1500V	Item 6 of IEC 61810-5
Between contact and coil	50Hz 4000V	Item 6 of IEC 61810-5
Creepage distance	8.4mm	Addenda B of IEC61810-5
Shock resistance	Functional 100m/s ² ;Survival:1000 m/s ² 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~55Hz Double amplitude 1.5mm	IEC68-2-6 TestFc
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	-25~70 °C	
Relative Humidity	85% (at 40°C)	IEC68-2-3Test Ca
Mass	33g	

Safety approvals

Safety approval	
Load	



NOTES: 1). Dimensions are in millimeters.



CQC	
80A/220VAC	

JMX-94F