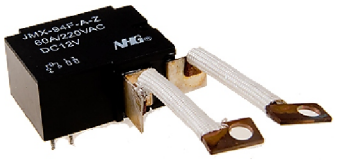


39×30×17.5

JMX-94F

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:Single 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 in be the magnetically neutral position .
2.Switching voltage is for test purpose only and are no to be used as design criteria.

Operation condition

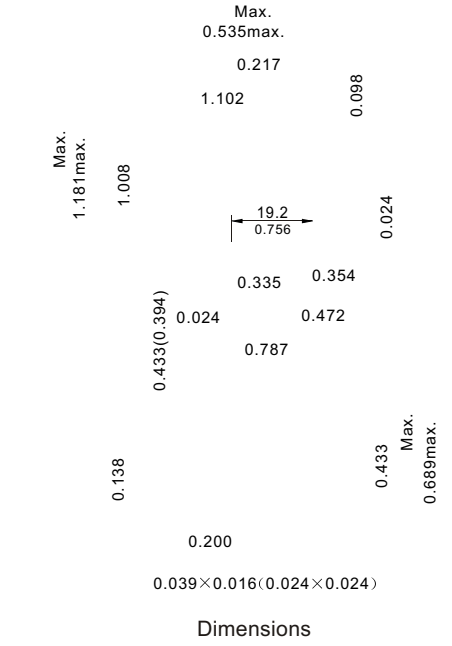
Insulation Resistance	1000MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength		
Between contacts	50Hz 1500V	Item 6 of IEC 60255-5
Between contact and coil	50Hz 4000V	Item 6 of IEC 60255-5
Creepage distance	8.4mm	Addenda B of IEC 60255-5
Shock resistance	Functional 100m/s^2;Survival:1000 m/s^2 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	260℃±5℃ 5s±0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-25℃~70℃	
Relative Humidity	85% (at 40℃)	IEC 68-2-3 Test Ca
Mass	40g	

Safety approvals

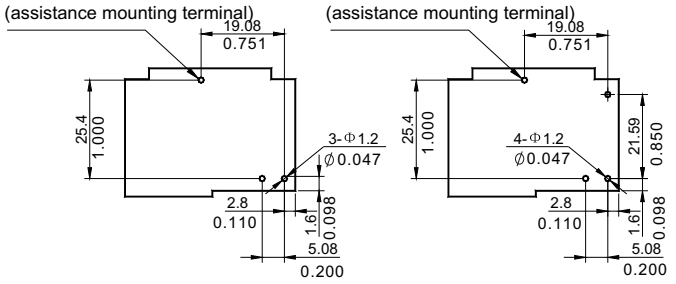
Safety approval	CQC
Load	80A/220VAC

Dimensions

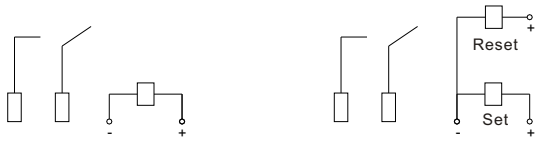
mm /inch



Dimensions



Mounting (Bottom view)



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