



38.6×34×17.2

JMX-94F₂



Features

- Magnet latching relay.
- High sensitivity & reliability.
- Well anti-shock and anti-vibration.
- Heavy contact load(80A).

Ordering Information

JMX-94F₂ **A** **Z** **60** **DC12V** **D**
 1 2 3 4 5 6

1 Part number: JMX-94F₂
 2 Contact arrangement: 1A, 1B
 3 Enclosure: Z: Dust cover

4 Contact current: 60:60A; 80:80A
 5 Coil rated voltage(V): DC: 9, 12, 24
 6 Contact material:C:AgCdO; S:AgSnO₂
 7 Coil : NIL:Singal coil; D: Double coils

Contact Data

Contact Arrangement	1A (SPSTNO) 1B (SPSTNC)
Contact Material	AgCdO AgSnO ₂
Contact Rating(resistive)	80A/250VAC 60A/250VAC
Max. Switching Power	20000VA 15000VA
Max. Switching Voltage	300VAC Max. Switching Current:80A
Contact Resistance & Voltage drop	≤5mΩ (at 1A/24VDC) Item 4.12 of IEC 61810-7 ≤100mV (80A) 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

Coil Parameter							
Dash numbers	Coil rated voltage VDC	Coil resistance $\Omega \pm 10\%$	Switching voltage VDC (50%-80% of rated voltage)	Pulse magnitude ms	Coil power consumption W	Operate Time ms	Reset Time ms
1 Coil							
009-1000 012-1000 024-1000	9 12 24	81 144 576	4.5~7.2 6.0~9.6 12.0~19.2	≥ 60	1	≤ 20	≤ 20
2 Coil							
009-2000 012-2000 024-2000	9 12 24	2×40.5 2×72 2×288	4.5~7.2 6.0~9.6 12.0~19.2	≥ 60	2×2	≤ 20	≤ 20

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

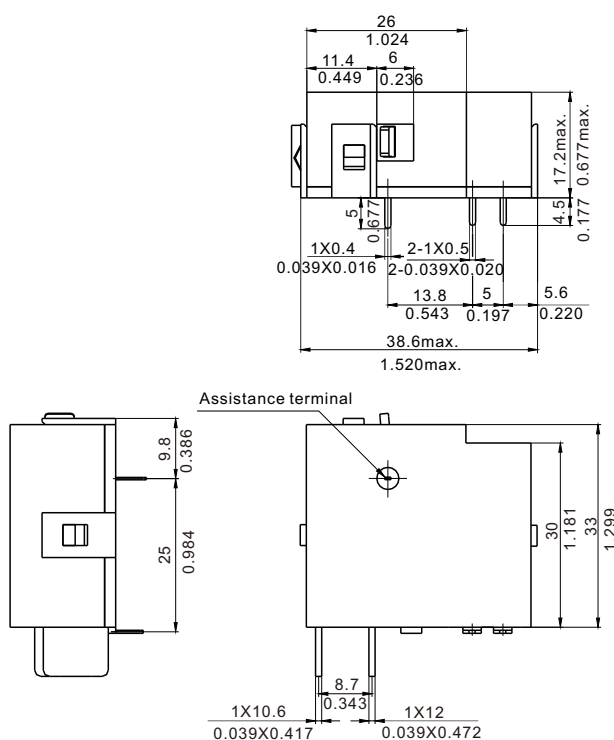
Insulation Resistance	1000M Ω min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength		
Between contacts	50Hz 1500V	Item 6 of IEC 60255-5
Between contact and coil	50Hz 4000V	Item 6 of IEC 60255-5
Creepage distance	8.4mm	Addenda B of IEC 60255-5
Shock resistance	Functional 100m/s ² ; Survival: 1000 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℃ \pm 2℃ 3s \pm 0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-40℃~70℃	
Relative Humidity	85% (at 40℃)	IEC 68-2-3 Test Ca
Mass	38g	

Safety approvals

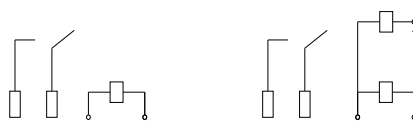
Safety approval	CQC
Load	60A, 80A/220VAC

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.