

# **NE720**

 $60\times40\times22$ 

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## Features

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

## Contact Data

0 0 1 11 10 10 1 2 0 1 10 1	onaot bata			
Contact Arrangement		1A (SPSTNO), 1	B (SPSTNC)	
Contact Material		AgSnO₂		
Contact Rating(resistive)		100Amax/240VAC		
Max. Switching Power		23000VA(COS ⊕1)	2300VA(COS	Φ=0.4)
Max. Switching Voltage		400VAC	Max. Swi	tching Current:100A
Contact Resistance or Voltage drop		≪1mΩ	Item 4.12 c	of IEC 61810-7
Operation life	Electrical (Rated load)	10 <sup>4</sup>	Item 4.30	of IEC 61810-7
	Mechanical (No load)	10	Item 4 .3	81 of IEC 61810-7

#### Coil Parameter

Dash numbers	Coil rated voltage VDC	Coil resistance $\Omega \pm 10\%$	Switching voltage VDC (<80% of rated voltage)	Operating voltage range VDC	Pulse magnitude ms	Coil power consumption W	Operate Time ms	Reset Time ms
2 COIL	2 COIL							
006-4500	6	28⁄	<4.8	4.9~10				
012-4500	12	232	<9.6	9.8~20	≥36	4.5	≪12	≪6
024-4500	24	2×130	<19.2	19.7~40				
1 COIL								
006-2250	6	16	<4.8	4.9~10				
012-2250	12	64	<9.6	9.8~20	>36	2.25	≪12	≪6
024-2250	24	260	<19.2	19.7~40				

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 in be the magnetically neutral position.

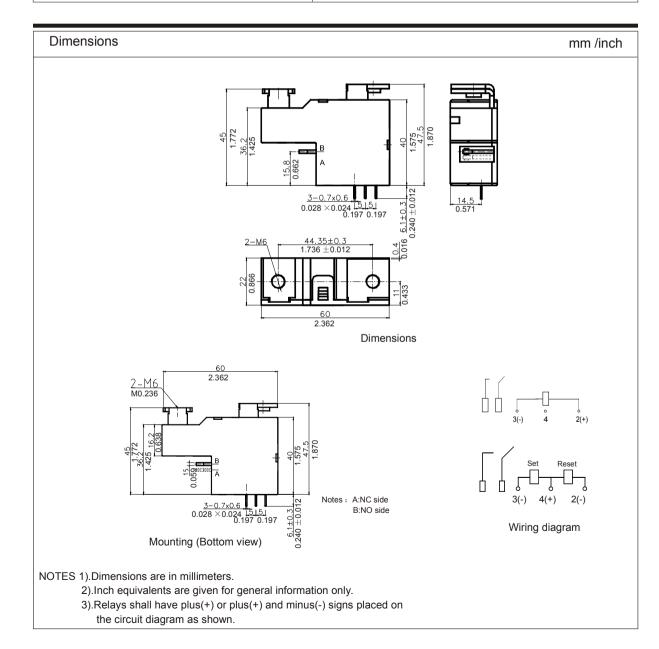
2.Switching voltage is for test purpose only and are no to be used as design criteria.

#### Operation condition

<u>'</u>		
Insulation Resistance	1000M <b>@</b> nin (at 500VDC)	Item 7 of IEC 61810-5
Dielectric Strength		
Between contacts	50Hz 2000V surge Voltage 4kV	Item 6 and 8 of IEC 61810-5
Between contact and coil	50Hz 4000V surge Voltage 12kV	Item 6 and 8 of IEC 61810-5
Creepage distance	8.4mm	Addenda B of IEC61810-5
Shock resistance	Functional 100m/s <sup>22</sup> / <sub>5</sub> Survival:1000 m/s 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~55Hz Double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	5N; 2.5N • m	IEC68-2-21 Test Ua1and Ud
Solderability	235℃ ± 2℃ 3 ± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~85 ℃	
Relative Humidity	85% (at 40℃)	IEC68-2-3Test Ca
Mass	82g	

### Safety approvals

Safety approval	CQC
Load	100A/220VAC



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