

## Ihr Partner für Kontakt-Bauelemente



E158859

## **Features**

■ DIL Pitch Terminals .High Sensitivity 。

■ Conforms to FCC Part 68 1.5kV Surge and Dielectric 1000VAC

• Fully sealed (immersion clearable).

High Reliability bifurcated Contact.

■ Application for Telecommunication Equipment、Office Equipment、 Security Alarm Systems、 Measuring instruments、 Medical Monitoring Equipment、Audio Visual Equipment、 Flight Simulator、 Sensor Control。

**Contact Data** 

**Contact Arrangement** 

2C ( Bifurcated Crossbar )

**Contact Material** Contact Rating (resistive) Ag·Pd(Stationary Contact: Gold clad )

1A/24VDC; 0.5A/120VAC

Max. Switching Power

30W 62.5VA

Min. Switching load: 0.01mA/10mV ( Reference Value )

Max. Switching Voltage

220VDC 250VAC

Max. Switching Current:2A

Contact ResistancE

≤50MΩ

Item 3.12 of IEC255-7

Operation life

 $1A/24VDC: 5\times10^5$  ( Ag Alloy :  $1\times10^5$  )

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0.5A/120VAC: 2×105 Mechanical

Electrical

Item 3.31 of IEC255-7

## **CAUTION:**

Relays previously tested or used above 10mA resistive at 6VDC maximum or peak AC open circuit are not recommended for subsequent use in low level applications.

## **Coil Parameter**

Coil voltage VDC		Coil resistance	Pick up voltage VDC(max)	release voltage VDC(min)	Coil	Operate Time	Release Time
Rated	Max.	Ω 10%		(5% or 10% of rated voltage)	W	ms	ms
3	7.5	60	2.1	0.15	0.15		
5	12.5	167	3.5	0.25	0.15	≤ 4.5	≤ 1.5
6	15.0	240	4.2	0.3	0.15		
9	22.5	540	6.3	0.45	0.15		
12	30.0	960	8.4	0.6	0.15		
18	40.0	1620	12.6	0.9	0.20		
24	52.9	2880	16.8	1.2	0.20		
48	84.9	7680	33.6	2.4	0.30		
3	6.5	45	2.1	0.3	0.2		
5	10.8	125	3.5	0.5	0.2		
6	13.0	180	4.2	0.6	0.2		
9	19.5	405	6.3	0.9	0.2	≤ 4.5	≤ 1.5
12	26.5	720	8.4	1.2	0.2		
24	52.9	2880	16.8	2.4	0.2		
48	103.9	11520	33.6	4.8	0.2		
5	7.7	56	3.3	0.5	0.45		
6	9.2	80	4.0	0.6	0.45	≤ 4.5	≤ 1.5
9	13.7	180	6.0	0.9	0.45		
12	18.3	320	8.0	1.2	0.45		
18	27.5	720	12.0	1.8	0.45		
24	36.7	1280	15.9	2.4	0.45		
48	72.5	5000	33.0	4.8	0.45		

CAUTION: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay. Pickup and release voltage are for test purposes only and are not to be used as design criteria.

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Characteristics

Electrostatic capacitance Between open Contacts Between coil & Contacts Between Contact Poles

Insulation Resistance Dielectric Strength

Between open Contacts Between coil & Contacts Between Contact Poles

Surge Withstand Voltage Between open Contacts Between coil & Contacts

Between coil & Contacts Between Contact Poles

Shock resistance

Vibration resistance Terminals strength

Solderability

Temperature Range

Weight

Approx.0.7pF Approx.1.0pF Approx.0.9pF

1000MΩ min (at 500VDC)

1000VAC 1min 1000VAC 1min 1000VAC 1min

1500V 1500V 1500V

Functional:100m/s<sup>2</sup> 11ms; Endurance:1000 m/s<sup>2</sup> 6ms 10~55Hz Double amplitude Functional:1.5mm Endurance:5mm

5N 230°C±2°C 10±0.5s -40~90°C(-40~194°F)

(-40~80°C for 0.3W Coil)

4.5g

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FCC68 FCC68

IEC68-2-27 Test Ea

IEC68-2-6 Test Fc IEC68-2-21 Test Ua1 IEC68-2-20 Test Ta method 1

Ordering Information

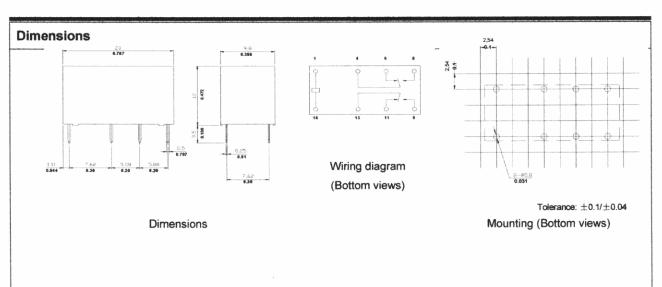
M4 12 H A

Nominal coil power:Nil:0.15W; A:0.20W; M:0.45W

Sealing
H: Sealed Type

Nominal coil Voltage9VDC):3:3V;5:5V;6:6V;9:9V;12:12V;18:18V;24:24V;48:48V

Type :M4



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