

# NINGBO HUAGUAN ELECTRONICS CO.,LTD.

























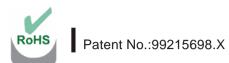












### $32.6 \times 25.2 \times 21$

Features

- Small size and light weight. Heavy contact load (30A).
- Contact arrangement Form A.
- Suitable for automobile and lamp accessories application.
- Insert mounting ,With metal frame.

Ordering Information				
NVFS A 15 DC12V				
1 2 3 4				
1 Part number: NVFS	3 Contact rating: 15:15A/14VDC; 30:30A/14VDC			
2 Contact arrangement: A:1A	4 Coil rated Voltage(V): DC: 6,12,24			

# **Contact Data**

00114401 2414			
gement	1A (SPSTNO)		
ial	AgSnO <sub>2</sub>		
g (resistive)	15A, 30A/14VDC		
Max. Switching Power			
Max. Switching Voltage		Max. Switching Current:30A	
Contact Resistance or Voltage drop		Item 3.12 of IEC255-7	
Electrical	10 <sup>5</sup>	Item 3.30 of IEC255-7	
Mechanical	10 <sup>7</sup>	Item 3.31 of IEC255-7	
	ial g (resistive) g Power g Voltage tance or Voltage drop Electrical	AgSnO₂       g (resistive)     15A, 30A/14VDC       g Power     420W       g Voltage     75VDC       tance or Voltage drop $\leq$ 50m Ω       Electrical $10^5$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

### **Coil Parameter**

Dash numbers		oltage DC	Coil resistance $\Omega \pm 10\%$	Pickup voltage VDC(max) (65%of rated	Release voltage VDC(min) (20% of rated	Coil power consumption	Operate Time ms	Release Time ms
	Rated	Max.		voltage)	voltage)		-	
006-1800	6	7.8	20	3.9	1.2			
012-1800	12	15.6	80	7.8	2.4	1.8	≪7	≪5
024-1800	24	31.2	320	15.6	4.8			

**CAUTION:** 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay. 2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

# **Operation condition**

Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC255-5	
Dielectric Strength			
Between contacts	50Hz 500V	Item 6 of IEC255-5	
Between contact and coil	50Hz 750V	Item 6 of IEC255-5	
Shock resistance	147m/s <sup>2</sup> 11ms	IEC68-2-27 Test Ea	
Vibration resistance	10~40Hz double amplitude 1.27mm	IEC68-2-6 Test Fc	
Terminals strength	8N	IEC68-2-21 Test Ua2	
Solderability	235℃ ± 2℃ 3 ± 0.5s	IEC68-2-20 Test Ta method 1	
Ambient Temperature	-40~105℃		
Relative Humidity	85% (at 40℃)	IEC68-2-3 Test Ca	
Mass	32g		

### **Qualification inspection:**

Perform the qualification test as specified in the table IV of IEC255-19-1 and minimum sample size 24.

