# **FORWARD RELAYS**

# NVF8



 $28 \times 28 \times 25.5$ 

#### Features

- Switching capacity up to 60A.
- Ambient temperature up to125°C.
- · Suitable for automation system and automobile auxiliary etc.

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# Ordering Information <u>NVF8 C S 60 DC12V D</u>

3 1 2 4

1 Part number: NVF8 2 Contact arrangement: A:1A; B:1B;C:IC;

3 Enclosure: S: Sealed type; Z: Dust cover 4 Contact current: NO:60A/14VDC;NC:50A/14VDC

5 Coil rated voltage(V): DC:12 6 Coil transient suppression: D:with diode; R:with resistance; NIL:standard

## **Contact Data**

Contact Arrangement		1A(SPSTNO), 1B(SPSTNC), 1C (SPDT(B-M))			
Contact material		AgSnO <sub>2</sub>			
Contact Rating (resistive)		NO: 60A/14VDC,NC:50A/14VDC Inrush current 150A			
Max. Switching Power		1000W			
Max. Switching voltage		16VDC	Max. Switching Current :60A		
Contact Voltagedrop		50mV(10A)	Item 4.12 of IEC 61810-7		
Operation life	Electrical	10 <sup>5</sup>	Item 4.30 of IEC 61810-7		
	Mechanical	107	Item 4.31 of IEC 61810-7		

### **Coil Parameter**

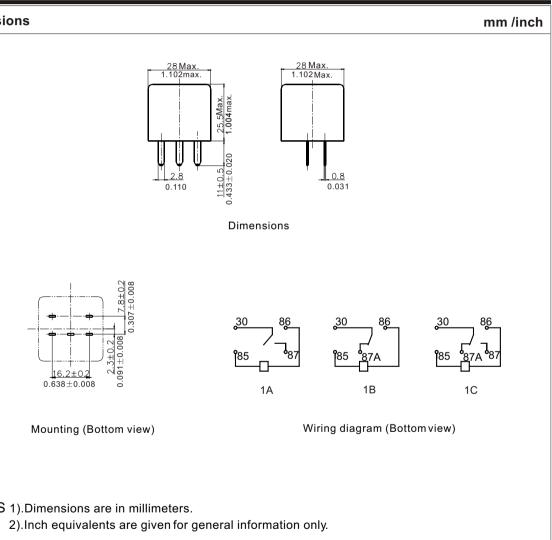
Dash numbers			Coil resistance	Pick up voltage VDC(max)	oltage VDC(min) (10% of rated	Coil power consumption	Operate Time	Release Time
	Rated	Max.	$\Omega\pm$ 10%	(60%of rated voltage)	voltage)	W	ms	ms
012-1600	12	14.4	90	7.2	1.2	1.6	≪10	≪6

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	100MΩmin (at 500VDC)	Item 7 of IEC 61810-5				
Dielectric Strength Between contacts Between contact and coil	50Hz 500V 50Hz 500V	Item 6 of IEC 61810-5 Item 6 of IEC 61810-5				
Shock Resistance	200m/s <sup>2</sup> 11ms	IEC68-2-27 test Ea				
Vibration Resistance	10~40Hz double amplitude 1.27mm 40~70Hz $50m/s^2$ 70~100Hz double amplitude 0.5mm 100~500Hz $100m/s^2$	IEC68-2-6 test Fc				
Terminals strength	10N	IEC68-2-21 test Ua1				
Ambient Temperature	-40~125℃					
Relative Humidity	95% (45°C)	IEC68-2-3 test Ca				
Mass	34g					

### Dimensions



# NOTES 1). Dimensions are in millimeters.

