



15.5×15×16.4

# NVF8

## Features

- Low profile micro 280 terminal.
- 20A switching capability.
- Contact arrangement: 1A.
- Can be widely used in car relay box.

## Ordering Information

**NVF8-A Z R**  
1 2 3 4

1 Part number: NVF8  
2 Contact arrangement: A:1A  
3 Enclosure: Z: Flux proof

4 Coil transient suppression: R: with resistor

## Contact Data

Contact Arrangement	1A(SPSTNO)		
Contact Material	Ag Alloy		
Contact Rating (Resistive)	20A/14VDC		
Max. Switching Power	280W		
Max. Switching Voltage	16VDC	Max. Switching Current: 25A	
Voltage Drop(Initial)	Typ. 50mV(at 10A)	Item 4.12 of IEC 61810-7	
Operation Life	Electrical	$1 \times 10^5$	Item 4.30 of IEC 61810-7
	Mechanical	$1 \times 10^6$	Item 4.31 of IEC 61810-7

## Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance $\Omega \pm 10\%$	Pick-up voltage VDC(max) (65%of rated voltage )	Drop-out voltage VDC(min)	Coil power W	Operate time ms	Release time ms
	Rated	Max.	With resistance			With resistor		
012-1090	12	15.6	132	7.8	1.0	Approx. 1.09	$\leq 10$	$\leq 10$

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.

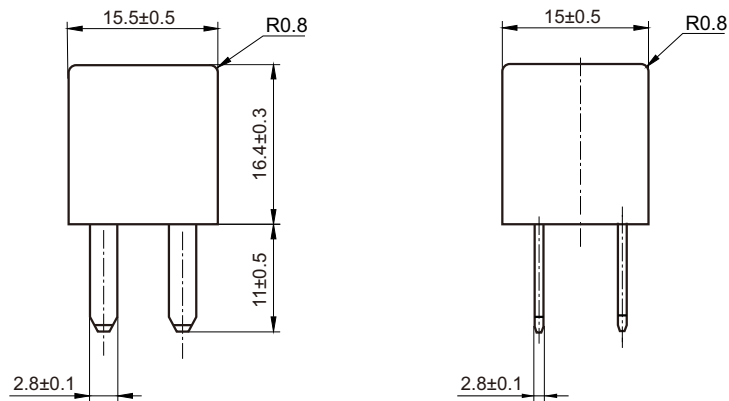
## Characteristics

Insulation Resistance	100M $\Omega$ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Contacts Between Contact and Coil	50~60Hz 500V 1min 50~60Hz 500V 1min	Item 4.9 of IEC 61810-7 Item 4.9 of IEC 61810-7
Shock Resistance	98m/s <sup>2</sup> 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10-55Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7
Terminals Strength	8N	Item 4.24 of IEC 61810-7
Ambient Temperature	-40 $^{\circ}$ C~100 $^{\circ}$ C	
Relative Humidity	5% to 85%	Item 4.16 of IEC 6110-7
Mass	10g	Item 4.7 of IEC 61810-7

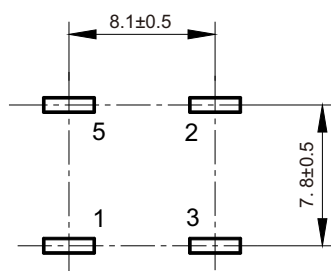
Note: 1). When testing, coil terminals should be connected, If coil transient suppression is installed in relay .

## Dimensions

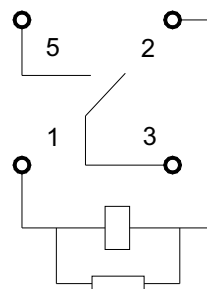
mm



Dimensions



Mounting (Bottom view)



Wiring diagram (Bottom view)