

NVF8



28×28×25.5

Features

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

Ordering Information

NVF8 C S 60 DC12V D
1 2 3 4 5 6

1 Part number: NVF8
2 Contact arrangement: A:1A; B:1B;C:1C;
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 ₂		
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 Voltage drop	50mV(10A)	Item 4.12 of IEC 61810-7	
Operation life	Electrical	10 ⁵	Item 4.30 of IEC 61810-7
	Mechanical	10 ⁷	Item 4.31 of IEC 61810-7

Coil Parameter

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

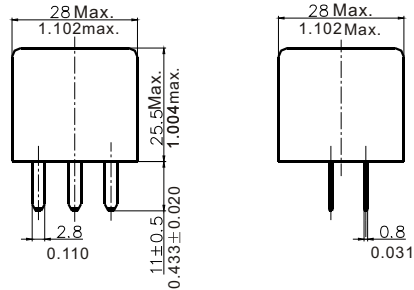
CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Operation condition

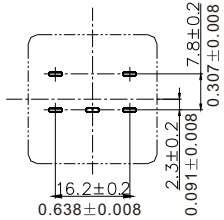
Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength	50Hz 500V	Item 6 of IEC 60255-5
Between contacts	50Hz 500V	Item 6 of IEC 60255-5
Between contact and coil		
Shock Resistance	200m/s ² 11ms	IEC 68-2-27 test Ea
Vibration Resistance	10Hz~40Hz double amplitude 1.27mm 40Hz~70Hz 50m/s ² 70Hz~100Hz double amplitude 0.5mm 100Hz~500Hz 100m/s ²	IEC 68-2-6 test Fc
Terminals strength	10N	IEC 68-2-21 test Ua1
Ambient Temperature	-40℃~125℃	
Relative Humidity	95% (45℃)	IEC 68-2-3 test Ca
Mass	34g	

Dimensions

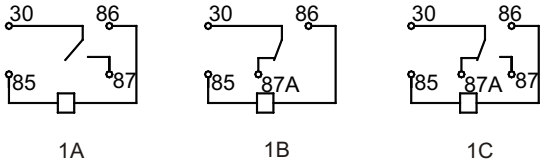
mm /inch



Dimensions



Mounting (Bottom view)



Wiring diagram (Bottom view)

NOTES 1).Dimensions are in millimeters.
2).Inch equivalents are given for general information only.