

NVF8



28×28×25.5

Features	
▪	Switching capacity up to 60A.
▪	Ambient temperature up to 125°C.
▪	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	5 Coil rated voltage(V): DC:12
2 Contact arrangement: A:1A; B:1B;C:1C;	6 Coil transient suppression: D:with diode;
3 Enclosure: S: Sealed type; Z: Dust cover	R:with resistance;
4 Contact current: NO:60A/14VDC;NC:50A/14VDC	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)
Operation life	Item 4.12 of IEC 61810-7
Electrical	10 ⁵
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

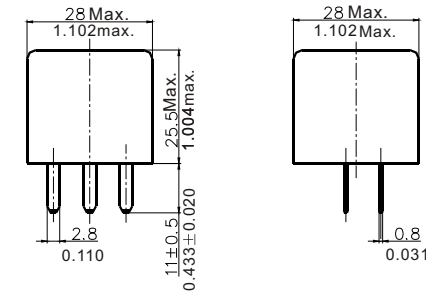
CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Operation condition

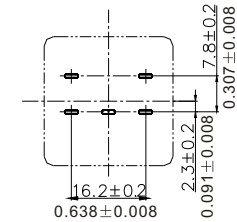
Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC 61810-5
Dielectric Strength	50Hz 500V	Item 6 of IEC 61810-5
Between contacts	50Hz 500V	Item 6 of IEC 61810-5
Between contact and coil		
Shock Resistance	200m/s ² 11ms	IEC68-2-27 test Ea
Vibration Resistance	10~40Hz double amplitude 1.27mm 40~70Hz 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°C	
Relative Humidity	95% (45°C)	IEC68-2-3 test Ca
Mass	34g	

Dimensions

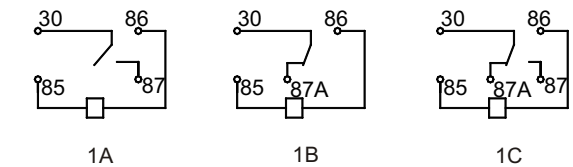
mm /inch



Dimensions



Mounting (Bottom view)



Wiring diagram (Bottom view)

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