

NVF4-5



26.5×26.5×25

Features
<ul style="list-style-type: none"> Small size. Contact load capacity up to 30A. Suitable for automobile. Terminal types as inserting.

Ordering Information						
NVF4-5 C Z 30 b DC12V R						
1	2	3	4	5	6	7
1 Part number: NVF4-5			5 Terminals: b: PCB type; a: plug in type			
2 Contact arrangement: A:1A			6 Coil rated voltage(V): DC:12			
3 Enclosure: S: Sealed type; Z: Dust cover			7 Coil transient suppression: R: with resistance; NIL: standard			
4 Contact current: 30:30A						

Contact Data		
Contact Arrangement	1A (SPSTNO)	
Contact Material	AgSnO ₂ , AgNi	
Contact Rating (resistive)	30A/14VDC	
Max. Switching Power	420W	
Max. Switching Voltage	75VDC	Max. Switching Current:30A
Contact Resistance or Voltage drop	<100mV (at 30A)	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) (67%of rated voltage)	Release voltage VDC(min) (12.5% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
012-2200	12	15.6	67	8	1.5	2.2	<7	<5

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 ¹⁾	100MΩ min (at 500VDC)	Item 7 of IEC 61810-5
Dielectric Strength ¹⁾	50Hz 500V	Item 6 of IEC 61810-5
Between contacts	50Hz 500V	Item 6 of IEC 61810-5
Between contact and coil		
Shock resistance	147m/s ² 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~40Hz double amplitude 1.5mm	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	-40~125℃	
Relative Humidity	85% (at 40℃)	IEC68-2-3 Test Ca
Mass	30g	

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

Dimensions

mm /inch

The technical drawings include:

- Dimensions:** Two views of the relay showing overall dimensions (26.5 Max, 1.043 max) and terminal dimensions (e.g., 2.8x0.8, 0.110x0.031).
- Mounting (Bottom view):** Shows the relay's footprint with terminal positions 30, 85, 86, and 87, and dimensions like 26.5, 1.043, and 0.335.
- Wiring diagram (Bottom view):** A schematic showing the internal connection between terminals 30 (-), 85, 86, and 87 (+).

Dimensions

Mounting (Bottom view) Wiring diagram (Bottom view)

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