

NVF4-6

 $34.5 \times 32.5 \times 34$

Features

- Small size.
- Contact load capacity up to 150A.
- Suitable for automobile.
- PC board mounting and QC mounting available.

Ordering Information

$\frac{\mathbf{NVF4-6a}}{1} \quad \frac{\mathbf{C}}{2}$

1 Part number: NVF4-6,

NVF4-6a(Metal Bracket)
2 Contact arrangement: A:1A; C:1C

3 Enclosure: Z: Flux proof

4 Contact rating: 50:50A; 100:100A; 150:150A

5 Terminals: a:QC type; b:PCB type

6 Contact material: S:AgSnO₂

7 Coil transient suppression: D:with diode

R:with resistor

NIL:standard

8 Coil rated voltage(V): DC:12,24

Contact Data

Jointagt Bata				
Contact Arrangement	1A(SPSTNO) 1C(SPD	1A(SPSTNO) 1C(SPDT(B-M))		
Contact Material	AgSnO ₂	AgSnO ₂		
Contact Rating		NO: 100A,150A/12VDC;50A/24VDC NC: 80A,100A/12VDC;50A/24VDC		
Max. Switching Power	1800W			
Max. Switching Voltage	75VDC	Max. Switching Current:150A		
Voltage Drop(Initial)	Typ.: 50mV(at 10A)	Item 4.12 of IEC 61810-7		
Electrical Endurance	1×10 ⁵	Item 4.30 of IEC 61810-7		
Mechanical Endurance	1×10 ⁷	Item 4.31 of IEC 61810-7		

Coil Parameter

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Coil vo		Coil resistance Ω±10%		With Suppression	Pick-up voltage VDC(max)	Drop-out voltage VDC(min)	Coil	Operate time	Release time
Rated	Max.	Without Rsistive	With Rsistive	Rsistive	(65%of rated voltage)	(10% of rated voltage)	power W	ms	ms
12	15.6	50	47	680	7.8	1.2	2.9	≤10	≤ 5
24	31.2	195	182	2700	15.6	2.4			

Notes: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay. 2.Pick-up and drop-out voltage are for test purposes only and are not to be used as design criteria.

Characteristics

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Insulation Resistance ¹⁾	100MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7			
Dielectric Strength ¹⁾ Between Open Contacts Between Contact and Coil	750VAC 1min 1000VAC 1min	Item 4.9 of IEC 61810-7			
Shock Resistance	147m/s ² 11ms	Item 4.26 of IEC 61810-7			
Vibration Resistance	10Hz~40Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7			
Terminals Strength	nals Strength Terminal retention(pull & push): ≥100N Terminal resistance to bending(front & side): ≥10N				
Ambient Temperature	-40℃~125℃				
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7			
Veight (Approx.) 65g		Item 4.7 of IEC 61810-7			

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

