



34.5×32.5×34

NVF4-6

Features

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

Ordering Information

NVF4-6a **C** **Z** **100** **a** **S** **D** **DC12V**
 1 2 3 4 5 6 7 8

- | | |
|---|--|
| 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:AgSnO ₂
7 Coil transient suppression: D:with diode
R:with resistor
NIL:standard
8 Coil rated voltage(V): DC:12,24 |
|---|--|

Contact Data

Contact Arrangement	1A(SPSTNO) 1C(SPDT(B-M))	
Contact Material	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

Coil voltage VDC		Coil resistance Ω±10%		With Suppression Rsistive	Pick-up voltage VDC(max) (65%of rated voltage)	Drop-out voltage VDC(min) (10% of rated voltage)	Coil power W	Operate time ms	Release time ms
Rated	Max.	Without Rsistive	With Rsistive						
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.

