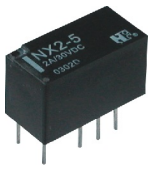
DB LECTRO INC

Présente / Presents:

NINGBO HUAGUAN ELECTRONICS CO.,LTD.

NHG

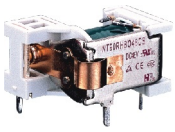












DB LECTRO Inc. 3755 Place Java, Suite 140, Brossard, Québec, J4Y 0E4, Canada - T: 1-450-444-1424 / F: 1-450-444-4714 / www.dblectro.com



NVF4-7
26.5×26.5×25.2



NVF4-8
26.5×26.5×25.2(+16)

NVF4-7&NVF4-8

RoHS

Features

- Small size and light weight.
- Heavy contact load (70A).
- Contact arrangement Form A and C available.
- Suitable for automobile and lamp accessories application.
- PC board mounting and direct insert mounting available.

Ordering Information

NVF4-7 A Z 70 b DC12V 1.6 C D
1 2 3 4 5 6 7 8 9

1 Part number：NVF4-7,NVF4-8(Insulation Bracket),
NVF4-8a(Shrouded Type With Metal Bracket，
Contact Arrangement:1A,)
2 Contact arrangement：A:1A；
3 Enclosure：S: Sealed type；Z: Dust cover;
4 Contact current：50:50A;70:70A

5 Terminals：b: PCB type；a: plug in type
6 Coil rated voltage(V)：DC:6,12,24
7 Coil power consumption：1.6:1.6W；1.9:1.9W
8 Contact material：N:AgNi；NIL: $AgSnO_2$
9 Coil transient suppression: D:with diode.;
2D:with two diodes.;.
R: with resistance.;
DR: with diode and resistance;
NIL: standard

Contact Data

Contact Arrangement		1A（1H） (SPSTNO)	
Contact Material		$AgSnO_2$ ， AgNi	
Contact Rating (resistive)		70A/14VDC，50A/14V（85℃下）	
Max. Switching Power		980W	
Max. Switching Voltage		75VDC	最大切换电流:80A
Contact Resistance or Voltage drop		＜200mV(70A)	IEC255-7 中第3.12 条
Operation life	Electrical	10^5	IEC255-7中第3.30 条
	Mechanical	10^7	IEC255-7中第3.31 条

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.						
006-2000	6	7.8	19	3.6	0.6	1.9	≤7	≤2
012-2000	12	15.6	76	7.2	1.2			
024-2000	24	31.2	303	14.4	2.4			
012-1700	12	15.6	90	7.2	1.6	1.6	≤7	≤2
024-1700	24	31.2	360	14.4	3.2			

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)]	100MΩmin (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength [1)] Between contacts Between contact and coil	 50Hz 500V 50Hz 500V	 Item 6 of IEC 255-5 Item 6 of IEC 255-5
Shock resistance	30m/s² 6ms	IEC68-2-27 Test Ea
Vibration resistance	20~500Hz 双振幅 1.8mm	IEC68-2-6 Test Fc
Terminals strength	10N 100N	IEC68-2-21 Test Ua2
Solderability	235℃ ±2℃ 3±0.5s	IEC68-2-20 Test Ta test 1
Ambient Temperature	-40~105℃	
Relative Humidity	85% (40℃)	IEC68-2-3试验 Ca
Mass	36g	

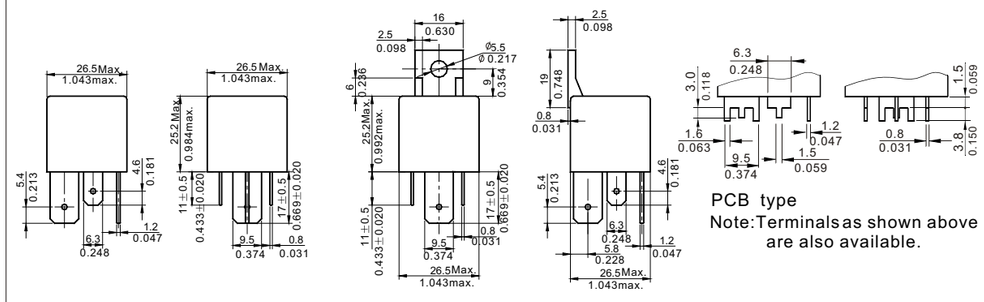
Note: 1). When testing, coil terminals should be connected, If coil transient suppression is installed in relay .

Qualification inspection:

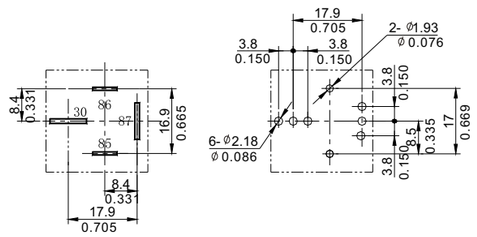
Perform the qualification test as specified in the table Ⅳ of IEC255-19-1 and minimum sample size 24.

Dimensions

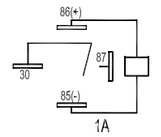
mm /inch



Dimensions



Plug in type PCB type
Mounting (Bottom view)



Wiring diagram (Bottom view)

PCB type
Note:Terminals as shown above are also available.

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