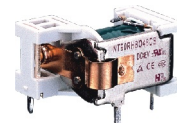


DB ELECTRO^{CO., LTD.}

Présente / Presents:

NINGBO HUAGUAN ELECTRONICS CO.,LTD.





34.5×32.5×34



NVF4-6

Features

- Miniature.
- Contact load capacity up to 150A.
- Suitable for automobile.
- Terminal types as inserting.

Ordering Information

NVF4-6 C Z 50 a DC12V N D

1 2 3 4 5 6 7 8

1 Part number: NVF4-6	6 Coil rated voltage(V): DC:12,24
2 Contact arrangement: A:1A; C:1C	7 Contact material: N:AgNi; NIL: AgSnO ₂
3 Enclosure: S: Sealed type; Z: Dust cover;	8 Coil transient suppression: D: with diode.;
4 Contact Current: 50A,100A;	2D:with two diodes.;
5 Terminals: a: plug intype	R: with resistance.;
	DR: with diode and resistance;
	NIL: standard

Contact Data

Contact Arrangement	1A (SPSTNO) ,1C (SPDT(B-M))	
Contact Material	AgSnO ₂ , AgNi	
Contact Rating (resistive)	1A	1C
	100A,150A/12VDC	NO: 50A/24VDC,100A/12VDC NC: 80A,100A/12VDC
Max. Switching Power	1800W	
Max. Switching Voltage	75VDC	
		Max. Switching Current:150A
Contact Resistance or Voltage drop	≤30mΩ ≤200mV (at Contactrating)	
Operation life	Electrical	10 ⁵ Item 3.30 of IEC255-7
	Mechanical	10 ⁷ Item 3.31 of IEC255-7

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω ±10%	Pickup voltage VDC(max) (65%of rated voltage)	Release voltage VDC(min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
012-2900	12	15.6	50	7.8	1.2	2.9	≤10	≤5
024-2900	24	31.2	195	15.6	2.4			

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⁾	100M Ω min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength ¹⁾		
Between contacts	50Hz 750V	
Between contact and coil	50Hz 1000V	
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	30N	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	65g	

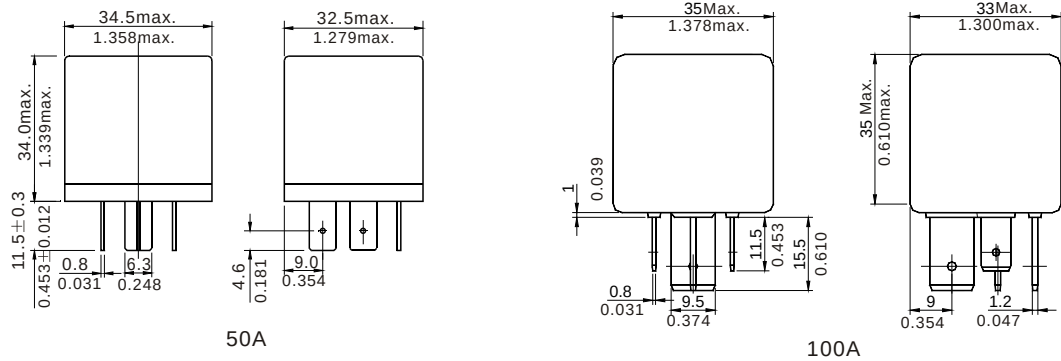
Note: 1). When testing, coil terminals should be connected, If coil transient suppression is installed in relay .

Qualification inspection:

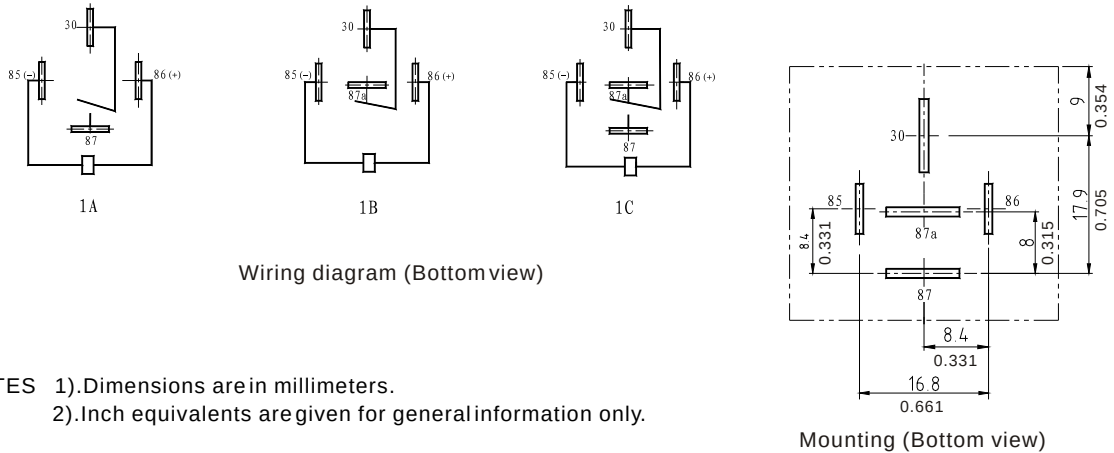
Perform the qualification test as specified in the table IV of IEC255-19-1 and minimum sample size 24.

Dimensions

mm /inch



Dimensions



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