



N V F 9

27.3×23×30.2

**Features**

- Contact load capacity up to 30A.
- Suitable for automobile.
- Terminal types as inserting.

**Contact Data**

Contact Arrangement	1A	
Contact Material	Ag·SnO <sub>2</sub> , AgNi	
Contact Rating (resistive)	30A/14VDC; 15A/24VDC	
Max. Switching Power	420W	
Max. Switching Voltage	75VDC	Max. Switching Current:30A
Contact Resistance or Voltage drop	≤100mV (at 30A)	Item 3.12 of IEC255-7
Operation life	Electrical	10 <sup>5</sup> Item 3.30 of IEC255-7
	Mechanical	5 × 10 <sup>6</sup> Item 3.31 of IEC255-7

**Coil Parameter**

Coil voltage VDC		Coil resistance Ω±10%	Pickup voltage VDC(max) (70% of rated voltage )	release voltage VDC(min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
Rated	Max.						
6	7.8	25	4.2	0.6	1.44	≤7	≤5
12	15.6	100	8.4	1.2			
24	31.2	400	16.8	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	100MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength		
Between contacts	50Hz 500V	Item 6 of IEC255-5
Between contact and coil	50Hz 750V	Item 6 of IEC255-5
Shock resistance	147m/s <sup>2</sup> 11ms	IEC68-2-27 Test Ea method 1
Vibration resistance	10~60Hz double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	8N	IEC68-2-21 Test Ua2
Solderability	230℃ ±2℃ 10 ±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-25~70℃	
Relative Humidity	85% (at 40℃)	IEC68-2-3Test Ca
Mass	40g	

**Qualification inspection:**

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

