



NVFS

Patent No.:99215698.X

Features

- Small size and light weight. Heavy contact load (30A).
- Contact arrangement Form A.
- Suitable for automobile and lamp accessories application.
- Insert mounting ,With metal frame.

Ordering Information				
$\frac{\text{NVFS}}{1} \frac{\text{A}}{2} \frac{15}{3} \frac{\text{DC12V}}{4}$				
1 Part number: NVFS 2 Contact arrangement: A:1A	3 Contact rating: 15:15A/14VDC; 30:30A/14VDC 4 Coil rated Voltage(V): DC: 6,12,24			

Contact Data

Contact Arrangement		1A (SPSTNO)	
Contact Material		AgSnO₂	
Contact Rating (resistive)		15A, 30A/14VDC	
Max. Switching Power		420W	
Max. Switching Voltage		75VDC	Max. Switching Current:30A
Contact Resistance or Voltage drop		<50mΩ	Item 3.12 of IEC255-7
Operation	Electrical	10 ⁵	Item 3.30 of IEC255-7
Life	Mechanical	10 ⁷	Item 3.31 of IEC255-7

Coil Parameter

Dash numbers		oltage DC	Coil resistance Ω±10%	Pickup voltage VDC(max) (65%of rated	Release voltage VDC(min) (20% of rated	Coil power consumption	Operate Time ms	Release Time ms
	Rated	Max.	11 = 1070	voltage)	voltage)			0
006-1800	6	7.8	20	3.9	1.2			
012-1800	12	15.6	80	7.8	2.4	1.8	≪7	≪5
024-1800	24	31.2	320	15.6	4.8			

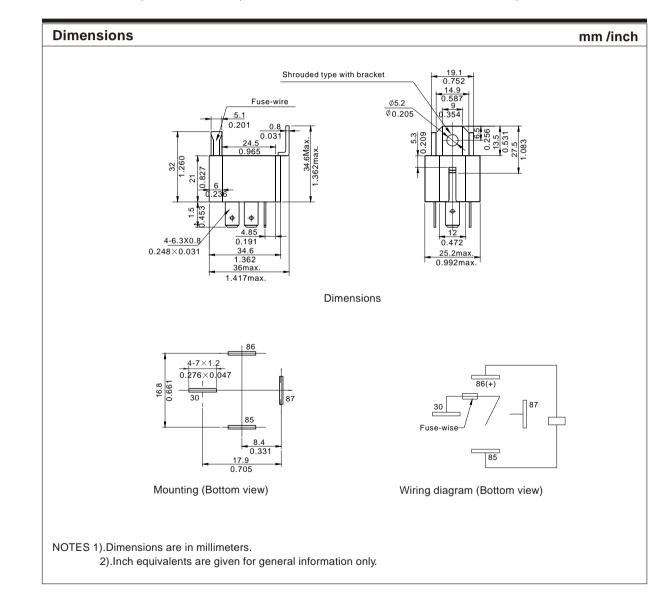
CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay. 2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

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 ² 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~40Hz double amplitude 1.27mm	IEC68-2-6 Test Fc
Terminals strength	8N	IEC68-2-21 Test Ua2
Solderability	235℃ ± 2℃ 3 ± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~105℃	
Relative Humidity	85% (at 40℃)	IEC68-2-3 Test Ca
Mass	32g	

Qualification inspection:

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



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