



Patent No.: 99215698.X

- 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.

NVFS A 15 DC12V

1	2	3	4
1 Part number: NVFS	3 Contact rating: 15-15A/14VDC; 30-30A/14VDC		
2 Contact arrangement: A 1A	4 Coil rated Voltage(V ₁): DC 6,12,24		

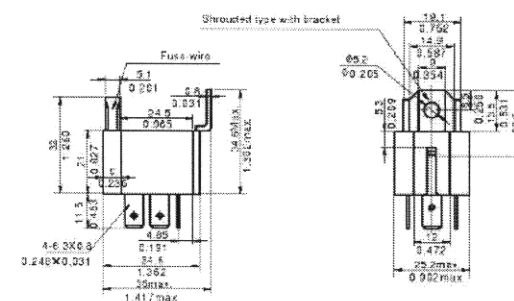
Contact Arrangement	1A (SPSTNO)	
Contact Material	AgSnO ₂	
Contact Rating (resistive)	15A, 30A/14VDC	
Max. Switching Power	420W	
Max. Switching Voltage	75VDC	Max. Switching Current:30A
Contact Resistance or Voltage drop	≤50mΩ	Item 4.12 of IEC 61810-7
Operation Life	Electrical	10 ⁷ Item 4.30 of IEC 61810-7
	Mechanical	10 ⁷ Item 4.31 of IEC 61810-7

Dash numbers	Coil voltage VDC		Coil resistance $\Omega \pm 10\%$	Pickup voltage VDC(max) (85% of rated voltage)	Release voltage VDC(min) (20% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
006-1800	6	7.8	20	3.9	1.2			
012-1800	12	15.6	80	7.8	2.4	1.8	<7	<6
024-1800	24	31.2	320	15.6	4.8			

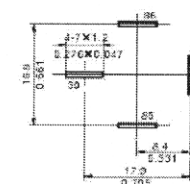
Operation condition

Insulation Resistance	100M Ω .min [at 500VDC]	Item 7 of IEC 60255-5
Dielectric Strength		
Between contacts	50Hz 500V	Item 6 of IEC 60255-6
Between contact and coil	50Hz 750V	Item 6 of IEC 60255-6
Shock resistance	147m/s ² 11ms	IEC68-2-27 Test Ea
Vibration resistance	10-40Hz double amplitude f 27mm	IEC68-2-6 Test Fa
Terminal strength	9N	IEC68-2-21 Test Ue2
Solderability	235 $\pm$ 2 $^{\circ}$ C $\pm$ 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40-105 $^{\circ}$ C	
Relative Humidity	85% (at 40 $^{\circ}$ C)	IEC68-2-3 Test Ca
Mass	320g	

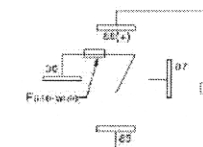
mm /inch



Dimensions



Mounting (Bottom view)



Wiring diagram (Bottom view)

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