

DB ELECTRO^{CO., LTD.}

Présente / Presents:

NINGBO HUAGUAN ELECTRONICS CO., LTD.





32.6×25.2×21



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	
NVFS A 15 DC12V	
1 Part number: NVFS	3 Contact rating: 15:15A/14VDC; 30:30A/14VDC
2 Contact arrangement: A:1A	4 Coil rated Voltage(V): DC: 6,12,24

Contact Data	
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 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	Coil voltage VDC		Coil resistance Ω ± 10%	Pickup voltage VDC(max) (65% 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	<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	50Hz 500V	Item 6 of IEC255-5
Between contacts	50Hz 750V	Item 6 of IEC255-5
Between contact and coil		
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.

Dimensions

Dimensions mm /inch

Shrouded type with bracket

Fuse-wire

Dimensions

Mounting (Bottom view)

Wiring diagram (Bottom view)

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