



NVF11 & NVF12

Features	
- Switching capacity up to 40A. - Direct inserting mounting. - Suitable for automation system and automobile auxiliary etc.	

Ordering Information	
NVF11 A Z 30 DC12V R	
1 2 3 4 5 6	
1 Part number: NVF11 & NVF12	5 Coil Voltage(VDC): 12,24
2 Contact arrangement: A:1A	6 Coil transient suppression: NIL:standard;
3 Enclosure: S: Sealed type; Z: Dust cover	R:with resistance
4 Contact current: 30A,40A/14VDC	

Contact Data	
Contact Arrangement	1A(SPSTNO)
Contact material	AgSnO ₂
Contact Rating (resistive)	30A,40A/14VDC
Max. Switching Power	560W
Max. Switching voltage	75VDC
Max. Switching Current	40A
Contact resistance or Voltage drop	50mΩ Item 3.12 of IEC 60255-7
Operation life	Electrical 10 ⁵ Item 3.30 of IEC 60255-7
	Mechanical 10 ⁷ Item 3.31 of IEC 60255-7

Dash numbers	Coil voltage VDC		Coil resistance Ω ± 10%	Pick up voltage VDC(max) (65%of rated voltage)	Release voltage VDC(min) (8% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
012-1500	12	15.6	96	7.8	0.96	1.5	≤10	≤7
024-1500	24	31.2	384	15.6	1.92	1.5	≤10	≤7

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.

Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength	50Hz 500V	Item 6 of IEC 60255-5
Between contacts	50Hz 750V	Item 6 of IEC 60255-5
Between contact and coil		
Shock Resistance	Function: 100m/s ² 11ms	IEC68-2-27 test Ea
Vibration Resistance	10Hz~55Hz double amplitude 1.5mm	IEC68-2-6 test Fc
Terminals strength	10N	IEC68-2-21 test Ua1
Ambient Temperature	-40℃~105℃	
Relative Humidity	85% (45℃)	IEC68-2-3 test Ca
Mass	35g(NVF11) 38g(NVF12)	

Dimensions

mm /inch

NVF11

NVF12

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mm /inch

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Wiring diagram (Bottom view)

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