

NVF28



22.5×15×25.4

Features
<ul style="list-style-type: none"> ▪ 35A continuous No rating (85°C). ▪ 2.8mm quick connect terminals. ▪ Contact arrangement form A and C available. ▪ Suitable for automobile fuel pump, A/C compressor clutch, horn and lighting system etc.

Ordering Information	
NVF28 A S 1.3 R DC12V 1 2 3 4 5 6	
1 Part number: NVF28 2 Contact arrangement: A:1A; C:1C 3 Enclosure: S:Sealed type; Z:Dustcover	4 Coil power consumption: 0.9:0.9W; 1.3:1.3W 5 Coil transient suppression: NIL:Standard; R:With resistor; D:With diode 6 Coil rated voltage(V):DC:6,12,24

Contact Data		
Contact Arrangement	1A (1H) (SPSTNO) 1C (1Z) (SPDT(B-M))	
Contact Material	AgSnO ₂	
Contact Rating (Resistive)	1A:35A/14VDC,15A/28VDC; 1C:NO:35A/14VDC,15A/28VDC;NC:20A/14VDC,10A/28VDC	
Max. Switching Power	490W	
Max. Switching voltage	75VDC	
Max. Switching Current	35A	
Max. Continuous Current	NO:35A, NC:20A	
Contact Resistance or Voltage drop	100mΩ (1A 6VDC) ≤250mV(10A) typical:50mV Item 4.12 of IEC 61810-7	
Operation life	Electrical	1×10 ⁵ Item 4.30 of IEC 61810-7
	Mechanical	1×10 ⁷ Item 4.31 of IEC 61810-7

Dash numbers	Coil voltage VDC		Coil resistance Ω ±10%	Pick up voltage VDC(max) (60% of rated voltage)	Release voltage VDC(min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
006-090	6	7.8	40	3.6	0.6	0.9	≤10	≤10
012-090	12	15.6	160	7.2	1.2			
024-090	24	31.2	640	14.4	2.4			
006-130	6	7.8	27	3.6	0.6	1.3	≤10	≤10
012-130	12	15.6	109	7.2	1.2			
024-130	24	31.2	436	14.4	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	100M Ω min. (500VDC)	Item 7 of IEC 60255-5
Dielectric Strength Between open contacts Between contact and coil	50Hz 500V 50Hz 500V	Item 6 of IEC 60255-5 Item 6 of IEC 60255-5
Shock Resistance	200m/s ² 11ms	IEC 68-2-27 test Ea
Vibration Resistance	10Hz~40Hz double amplitude 1.27mm 40Hz~70Hz 49m/s ² 70Hz~100Hz double amplitude 0.5mm 100Hz~500Hz 98m/s ²	IEC 68-2-6 test Fc
Terminals strength	10N	IEC 68-2-21 test Ua 1
Ambient Temperature	-40 $^{\circ}$ C~125 $^{\circ}$ C	
Relative Humidity	85% (20 $^{\circ}$ C)	IEC 68-2-3 test Ca
Mass	21g	

