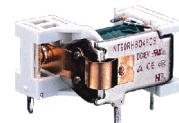


DB ELECTRO^{CO., LTD.}

Présente / Presents:

NINGBO HUAGUAN ELECTRONICS CO., LTD.





22.5×15×25.0

NVF28



Features

- 35A continuous NO contact rating at 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 systems etc.

Ordering Information

NVF28 A 20 DC6V 1.3 R
 1 2 3 4 5 6

1 Part number: NVF28
 2 Contact arrangement: A:1A; C:1C
 3 Contact Current: NO:35A;NC:25A;
 4 Coil rated voltage(V): DC:6,12,24
 5 Coil power consumption: 0.9:0.9W; 1.3:1.3W
 6 Coil transient suppression: NIL: Standard; R:with resistance D: with diode

Contact Data

Contact Arrangement	1A (SPSTNO) 1C (SPDT(B-M))	
Contact Material	AgSnO ₂	
Contact Rating	NO: 35A/14VDC; NC: 25A/14VDC	
Max. Switching Power	560W	
Max. Switching Voltage	75VDC	
Max. Switching Current	NO:40A,NC:30A	
Max. Continuous Current	NO:35A,NC:25A	
Contact Resistance or Voltage drop	100mΩ (1A 6VDC) ; ≤250mV(10A) example:50mV	Item 3.12 of IEC255-7
Operational life	Electrical	1×10 ⁵ Item 3.30 of IEC255-7
	Mechanical	1×10 ⁷ Item 3.31 of IEC255-7

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω ±10%	Pickup 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.							
006-090 012-090 024-090	6 12 24	7.8 15.6 31.2	40 160 640	3.6 7.2 14.4	0.6 1.2 2.4	0.9	≤5	≤2	
006-130 012-130 024-130	6 12 24	7.8 15.6 31.2	27 109 436	3.6 7.2 14.4	0.6 1.2 2.4				1.3

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

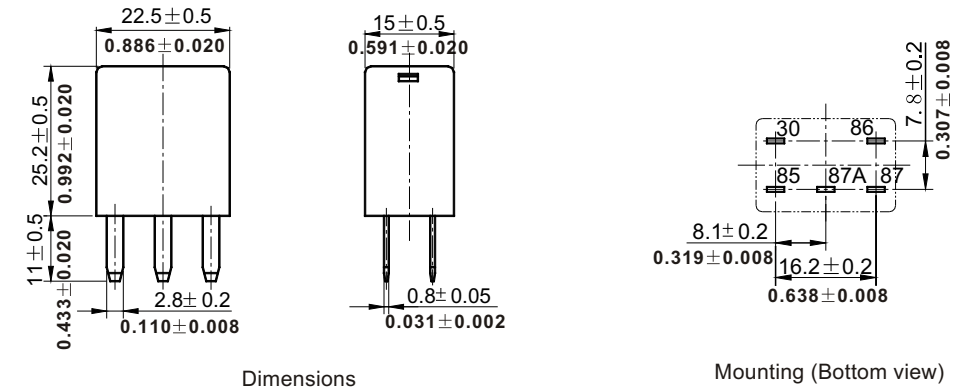
Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength	Between contacts	Item 6 of IEC255-5
	Between contact and coil	
Shock resistance	200m/s ² 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~40Hz double amplitude 1.27mm	IEC68-2-6 Test Fc
	40~70Hz 49m/s ²	
	70~100Hz double amplitude 0.5mm	
	100~500Hz 98m/s ²	
Terminals strength	10N	IEC68-2-21 Test Ua1
Solderability	235°C ±2°C 3±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~125°C	
Relative Humidity	85% (at 20°C)	IEC68-2-3 Test Ca
Mass	21g	

Qualification inspection:

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

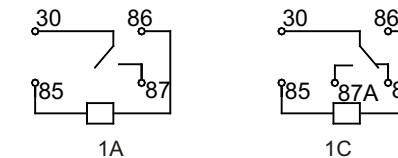
Dimensions

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.