

DB ELECTRO^{CO., LTD.}

Présente / Presents:

NINGBO HUAGUAN ELECTRONICS CO., LTD.





26.5×26.5×25

NVF4-5



Features	
<ul style="list-style-type: none"> Miniature. Contact load capacity up to 30A. Suitable for automobile. Terminal types as inserting. 	

Ordering Information	
NVF4-5 C Z 30 b DC12V R	
<p>1 Part number: NVF4-5 2 Contact arrangement: A:1A 3 Enclosure: S: Sealed type; Z: Dust cover 4 Contact current: 30:30A</p>	
<p>5 Terminals: b: PCB type; a: plug in type 6 Coil rated voltage(V): DC:12 7 Coil transient suppression: R: with resistance; NIL: standard</p>	

Contact Data	
Contact Arrangement	1A (SPSTNO)
Contact Material	AgSnO ₂ , AgNi
Contact Rating (resistive)	30A/14VDC
Max. Switching Power	420W
Max. Switching Voltage	75VDC
Max. Switching Current	30A
Contact Resistance or Voltage drop	<100mV (at 30A) Item 3.12 of IEC255-7
Operation life	Electrical: 10 ⁵ Item 3.30 of IEC255-7 Mechanical: 10 ⁷ Item 3.31 of IEC255-7

Dash Numbers	Coil voltage VDC		Coil resistance Ω ±10%	Pick up voltage VDC(max) (67%of rated voltage)	Release voltage VDC(min) (12.5% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
012-2200	12	15.6	67	8	1.5	2.2	<7	<5

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

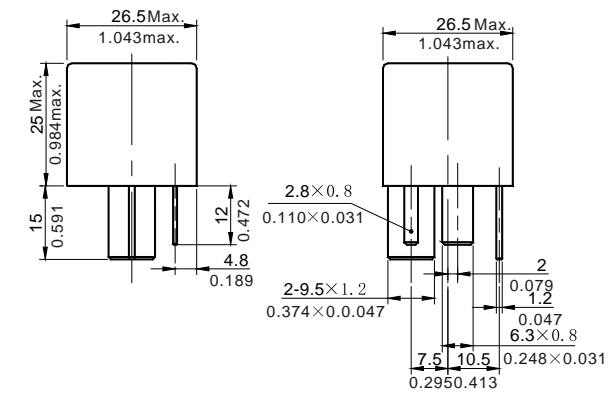
Insulation Resistance ¹⁾	100MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength ¹⁾	50Hz 500V	Item 6 of IEC255-5
Between contacts	50Hz 500V	Item 6 of IEC255-5
Between contact and coil		
Shock resistance	147m/s ² 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~40Hz double amplitude 1.5mm	IEC68-2-6 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	-40~125℃	
Relative Humidity	85% (at 40℃)	IEC68-2-3 Test Ca
Mass	30g	

Note: 1). When testing, coil terminals should be connected, If coil transient suppression is installed in relay.

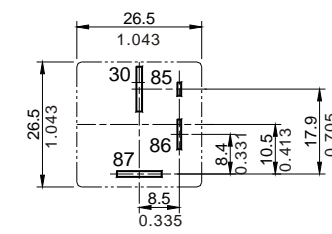
Qualification inspection:

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

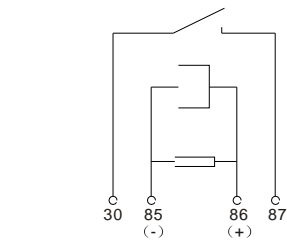
Dimensions mm /inch



Dimensions



Mounting (Bottom view)



Wiring diagram (Bottom view)

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