

DB ELECTRO^{CO., LTD.}

Présente / Presents:

NINGBO HUAGUAN ELECTRONICS CO., LTD.





34.5×32.5×34

NVF4-6



Features
<ul style="list-style-type: none"> Miniature. Contact load capacity up to 150A. Suitable for automobile. Terminal types as inserting.

Ordering Information
<p>NVF4-6 C Z 50 a DC12V N D</p> <p>1 2 3 4 5 6 7 8</p>
<p>1 Part number: NVF4-6</p> <p>2 Contact arrangement: A:1A; C:1C</p> <p>3 Enclosure: S: Sealed type; Z: Dust cover;</p> <p>4 Contact Current: 50A,100A;</p> <p>5 Terminals: a: plug in type</p> <p>6 Coil rated voltage(V): DC:12,24</p> <p>7 Contact material: N:AgNi; NIL: AgSnO₂</p> <p>8 Coil transient suppression: D: with diode.; 2D:with two diodes.; R: with resistance.; DR: with diode and resistance; NIL: standard</p>

Contact Data					
Contact Arrangement	1A (SPSTNO) ,1C (SPDT(B-M))				
Contact Material	AgSnO ₂ , AgNi				
Contact Rating (resistive)	<table border="1"> <tr> <th>1A</th> <th>1C</th> </tr> <tr> <td>100A,150A/12VDC</td> <td>NO: 50A/24VDC,100A/12VDC NC: 80A,100A/12VDC</td> </tr> </table>	1A	1C	100A,150A/12VDC	NO: 50A/24VDC,100A/12VDC NC: 80A,100A/12VDC
1A	1C				
100A,150A/12VDC	NO: 50A/24VDC,100A/12VDC NC: 80A,100A/12VDC				
Max. Switching Power	1800W				
Max. Switching Voltage	75VDC Max. Switching Current:150A				
Contact Resistance or Voltage drop	<table border="1"> <tr> <td>≤30mΩ</td> <td>Item 3.12 of IEC255-7</td> </tr> <tr> <td>≤200mV (at Contact rating)</td> <td></td> </tr> </table>	≤30mΩ	Item 3.12 of IEC255-7	≤200mV (at Contact rating)	
≤30mΩ	Item 3.12 of IEC255-7				
≤200mV (at Contact rating)					
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%	Pickup voltage VDC(max) (65% of rated voltage)	Release voltage VDC(min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
012-2900	12	15.6	50	7.8	1.2	2.9	≤10	≤5
024-2900	24	31.2	195	15.6	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 ¹⁾	100MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength ¹⁾	Between contacts	
	Between contact and coil	50Hz 750V 50Hz 1000V
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	30N	IEC68-2-21 Test Ua2
Solderability	235°C ±2°C 3±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~125°C	
Relative Humidity	85% (at 40°C)	IEC68-2-3 Test Ca
Mass	65g	

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

50A

100A

Wiring diagram (Bottom view)

Mounting (Bottom view)

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