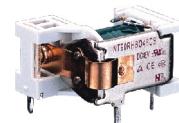


DB ELECTRO^{CO., LTD.}

Présente / Presents:

NINGBO HUAGUAN ELECTRONICS CO., LTD.



JQ104E



40×35×36



Features

- Small size and light weight.
- Heavy contact load (100A).
- Contact arrangement Form A and C available.
- Suitable for automobile and lamp accessories application.
- PC board mounting and direct insert mounting available.

Ordering Information

<u>JQ104E</u>	<u>A</u>	<u>Z</u>	<u>100</u>	<u>b</u>	<u>DC12V</u>	<u>N</u>	<u>D</u>
1	2	3	4	5	6	7	8
1 Part number: NVF7 2 Contact arrangement: A:1A; 3 Enclosure: S: Sealed type; Z: Dust cover; 4 Contact current: 100A				5 Terminals: b: PCB type; a: plug in type 6 Coil rated voltage(V): DC:6,12,24 7 Contact material: N:AgNi; NIL: AgSnO ₂ 8 Coil transient suppression: D: with diode.; 2D:with two diodes.; R: with resistance.; DR: with diode and resistance; NIL: standard			

Contact Data

Contact Arrangement	1A (SPSTNO)		
Contact Material	AgSnO ₂ , AgNi		
Contact Rating (resistive)	100A/14VDC		
Max. Switching Power	400W		
Max. Switching Voltage	75VDC	Max. Switching Current:100A	
Contact Resistance or Voltage drop	< 30mΩ	Item 3.12 of IEC255-7	
Operation life	Electrical	10 ⁶	Item 3.30 of IEC255-7
	Mechanical	10 ⁷	Item 3.31 of IEC255-7

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω ±10%	Pick up voltage VDC(max) (55%of rated voltage)	Release voltage VDC(min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.						
012-10000	12	14.5	80	6.6	1.2	10	≤7	≤2

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 1000V 50Hz 2000V	Item 6 of IEC255-5 Item 6 of IEC255-5
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 4N (PC type)	IEC68-2-21 Test Ua2
Solderability	235°C ± 2°C 3 ± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~105°C	
Relative Humidity	85% (at 40°C)	IEC68-2-3 Test Ca
Mass	46g	

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.

