

DB ELECTRO^{CO., LTD.}

Présente / Presents:

NINGBO HUAGUAN ELECTRONICS CO., LTD.





NCT



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17.4×14×13.5 1C: 17.4×7.2×13.5

Features

- Ultra small size, light weight.
- Low coil power consumption.
- Forward/reverse motor control is possible with a single relay.
- PC board mounting.
- Suitable for automobile, automation system, electronic equipment.

Ordering Information

NCT 2 DC12V
 1 2 3

1 Part number NCT

3 Coil rated Voltage(V) DC:12

2 Contact arrangement 1:1C 2:2C 1C 5:2C

Contact Data

Contact Arrangement	1C SPDT(B-M) 2C DPDT(B-M) 2 1C 2 SPDT(B-M) H-Bridge
Contact Material	Silver alloy Ag-SnO ₂
Contact Rating (resistive)	NO 20A/14VDC NC 10A/14VDC
Max. Switching Power	300W
Max. Switching Voltage	16VDC
Contact Resistance or Voltage drop	≤100mΩ (200mV at 10A) Max. Switching Current:20A
Operation	Item 3.12 of IEC255-7
life	Electrical 10 ⁵ Item 3.30 of IEC255-7
	Mechanical 10 ⁷ Item 3.31 of IEC255-7

Coil Parameter

Dash numbers	Coil voltage VDC	Operating Voltage Range VDC	Coil resistance Ω ±10%	Pickup voltage VDC(max) (60% of rated voltage)	release voltage VDC(min) (8% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated							
012-800	12	10-16	180	7.2	1.0	0.8	10	10

CAUTION: 1.The use of any coil voltage overstep operating voltage range of coil , it 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 (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength		
Between contacts	50Hz 500V	Item 6 of IEC255-5 (Detection current:10m A)
Between contact and coil	50Hz 500V	Item 6 of IEC255-5 (Detection current:10m A)
Shock resistance	Functional \square 100m/s ² 11ms; Survival \square 1000 m/s ² 6ms	IEC68-2-27 Test Ea
Vibration resistance	10~100Hz 44 m/s ²	IEC68-2-6 Test Fc
Terminals strength	10N	IEC68-2-21 Test Ua1
Solderability	235 \square \square 2 \square 3 \square 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~85 \square	
Relative Humidity	85% (at 40 \square)	IEC68-2-3Test Ca
Mass	8g,4g (1C)	

Qualification inspection:

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

Dimensions (Unit: mm)		mm	inch
1 type		0.3	0.012
		0.4	0.016
		0.65	0.026
2 type		0.8	0.031
		1.0	0.039
		1.1	0.043
		1.25	0.049
		1.4	0.055
		1.45	0.057
		2.5	0.098
		3.15	0.124
		3.5	0.138
		4.3	0.169
5 type		6.0	0.236
		6.8	0.268
		7.2	0.283
		9.5	0.374
		13.5	0.551
		14	0.551
		15	0.591
17.4	0.685		
<p>Dimensions</p> <p>1(1C)</p> <p>2(2X1C)</p> <p>5(2C)</p> <p>Wiring diagram (Bottom views)</p>			
<p>NOTES 1).Dimensions are in millimeter.</p> <p>2).Inch equivalents are given for general information only.</p>			