

NRP SERIES



Industrial & Electrical Components

Miniature P.C.B Relay

Part No.

NRP-12T



12A 250Vac Slim relay
Compact dimension
UL/C-UL recognized
Sealed type available

CONTACT

Arrangement	1A / 1B / 1C
Contact Material	Silver Alloy
Contact Resistive (At 6VDC 1A)	100 mΩ
Rating	
Resistive load (cosφ=1)	12A 250VAC 10A 30VDC
Max. Switching Voltage	250VAC
Max. Switching Current	12A
Max. Switching Power	3000VA
Expected life	
Mechanical	1×10 ⁷
Electrical	5×10 ⁴

CHARACTERISTICS

Operate Time	10 ms. Max.
Release Time	5 ms. Max.
Initial breakdown voltage	
Between Coil & Contact	5000VAC (50/60Hz) for 1 min
Between Open Contacts	1000VAC (50/60Hz) for 1 min
Insulation Resistance	Min.500MΩ (500 VDC)
Shock:	
Endurance	98.1 m/s ²
Damage	981 m/s ²
Vibration	10 to 55 Hz ,1.5mm D.A. for 15 minutes
Humidity	45%~85%RH
Ambient temperature	-40 to +85
Unit weight	13g

ORDERING INFORMATION

e.g

NRP - 12T - C - 12D

Series: Miniature p.c.b Relay

15.6mm height special type

Contact Form:

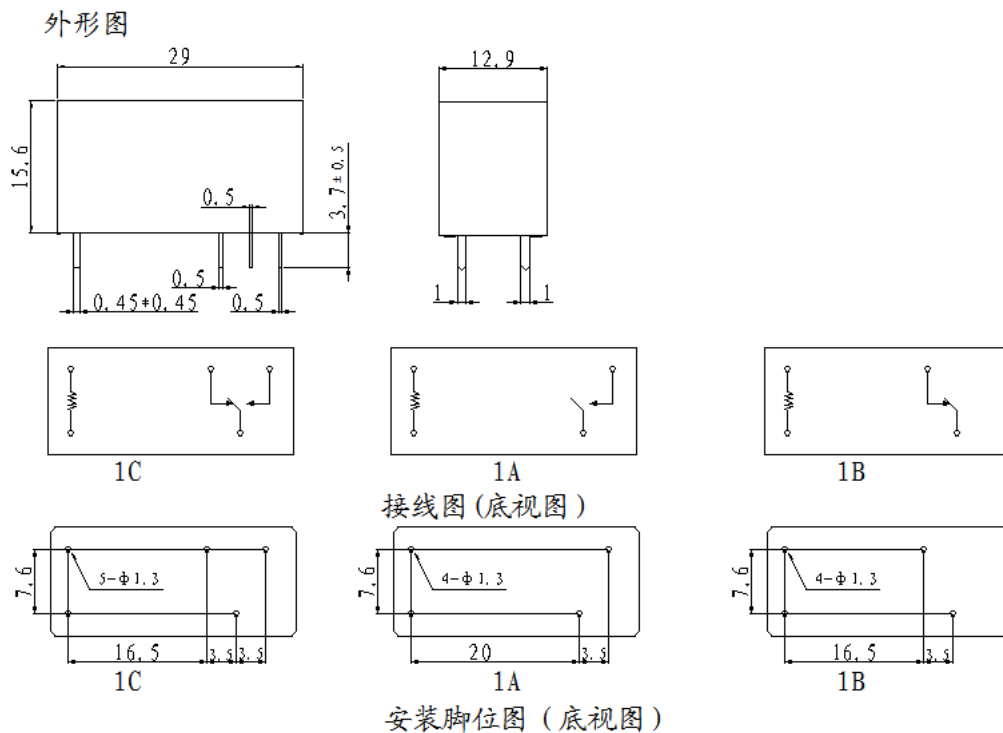
C=C/O; A = N/O; B = N/C

Coil Voltage: 12D= 12Vdc 24D= 24Vdc

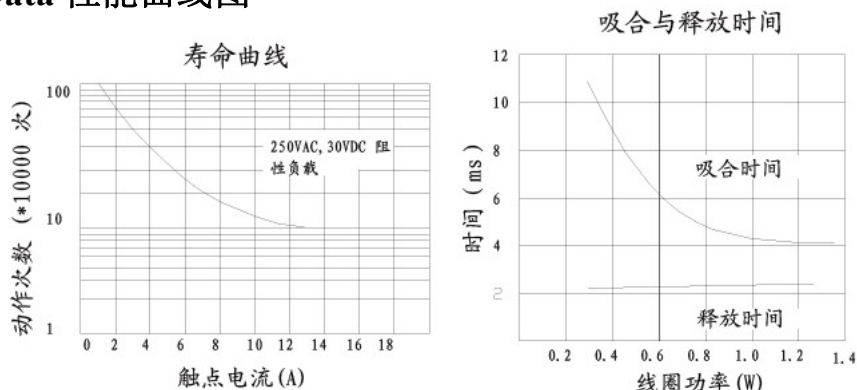
COIL DATA (at 20)

Nominal Voltage (VDC)	Pick-up Voltage VDC(Max)	Drop-out Voltage VDC(Min)	Coil Resistance (Ω)±10%	Nominal Current (mA)±10%	Nominal operating Power (W)	Max.Allowable Voltage
5	3.75	0.50	62.5	80	0.40	130% of nominal Voltage
6	4.50	0.60	90	66		
12	9.00	1.20	360	33		
24	18.00	2.40	1440	16.7		
48	36.00	4.80	5760	8.3		
60	45.00	6.00	7500	8.0		
110	82.50	11.00	30000	3.7		

DIMENSIONS



Reference Data 性能曲线图



Disclaimer:

The specifications in this datasheet are for reference only and subject to change without notice.No chance for us to evaluate all the specifications and technical parameters for each possible application.The users will take the responsibility to choose the correct products for their own applications. While if any technical support is needed, please contact NCR team for assistance.