

NRP SERIES



Industrial & Electrical Components

Miniature P.C.B Relay

Part No.

NRP-12T



- 12A 250Vac Slim relay
- Compact dimension
- Sealed type available

CONTACT

Arrangement	1A / 1B / 1C
Contact Material	Silver Alloy
Contact Resistive (At 6VDC 1A)	$\leq 100 \text{ m}\Omega$
Rating	
Resistive load ($\cos\phi=1$)	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	98.1m/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°C
Unit weight		≤13g

ORDERING INFORMATION

e.g

NRP - 12T - C - 12D
① ② ③ ④

① Series: Miniature p.c.b Relay

② 15.6mm height special type

③ Contact Form:

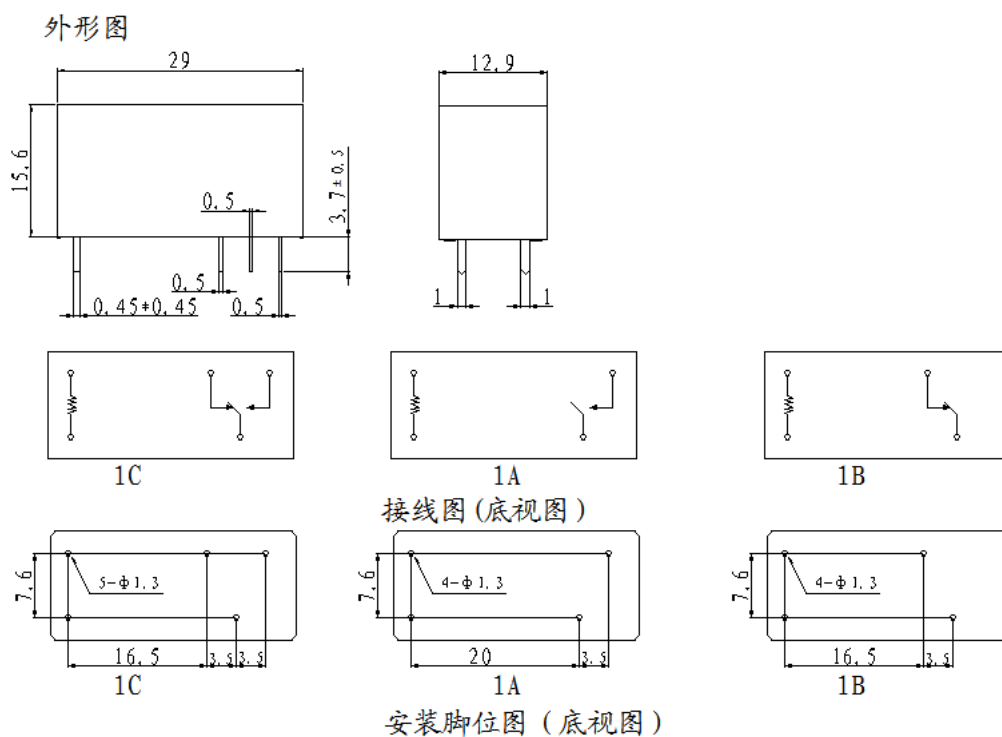
C=C/O; A = N/O; B= N/C

④ Coil Voltage: 12D= 12Vdc 24D= 24Vdc

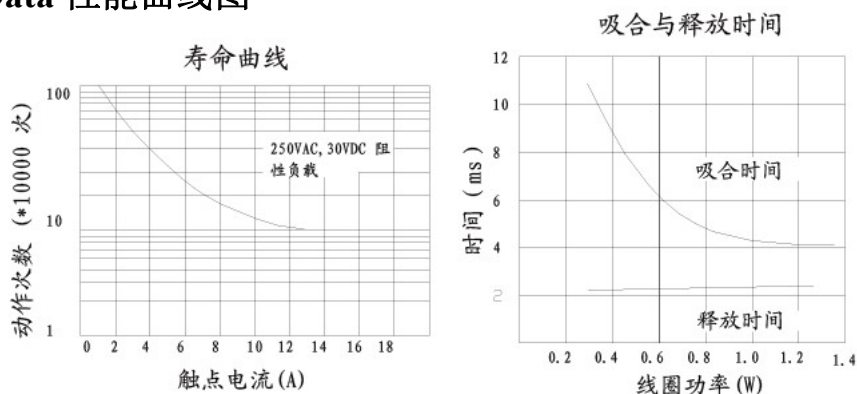
COIL DATA (at 20°C)

Nominal Voltage (VDC)	Pick-up Voltage VDC(Max)	Drop-out Voltage VDC(Min)	Coil Resistance (Ω) $\pm 10\%$	Nominal Current (mA) $\pm 10\%$	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.