

NRP SERIE



Industrial & Electrical Components

Miniature P.C.B Relay

Part No.

NRP-14T



- 16A 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	16A / 8A 250VAC 1HP 250VAC
Resistive load ($\cos\phi=1$)	1/2HP 125VAC 16A 30VDC
Max. Switching Voltage	250VAC 30VDC
Max. Switching Current	16A
Max. Switching Power	4000VA /300W
Expected life	
Mechanical (10800 ops/Hour)	1×10^7 Min
Electrical (16A/8A 250VAC, Resistive load, Room temp., 1s ON 9s OFF)	5×10^4 Min.

Note:

- 1.The data shown above are initial values.
- 2.For plastic sealed product test, the air hole on the housing should be opened.

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	500M Ω (500 VDC)
Shock: Endurance	98.1 m/s ² Min
Damage	981 m/s ² Min
Vibration Endurance	10 to 55 Hz ,1.5mm D.A.
Humidity	5%~85%RH
Ambient temperature	-30 to +105°C
Unit weight	$\leq 13\text{g}$

ORDERING INFORMATION

e.g

NRP - 14T - 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 = 1N/O; B= N/C

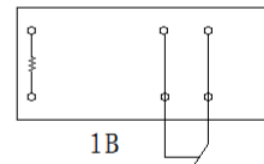
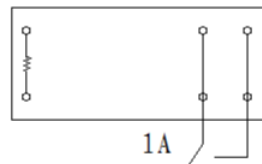
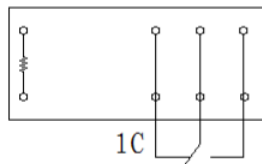
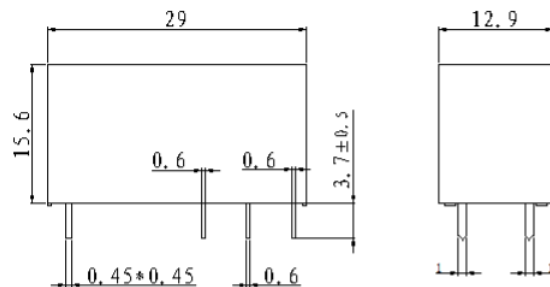
④ Coil Voltage: 12D= 12Vdc 24D= 24Vdc

COIL DATA (at 20°C)

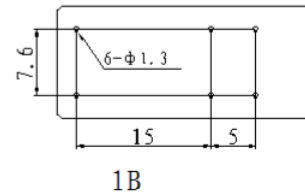
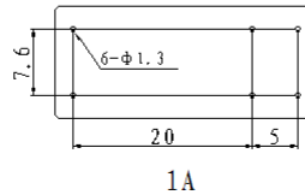
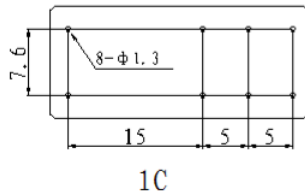
Nominal Voltage (VDC)	Pick-up Voltage VDC(Max)	Drop-out Voltage VDC(Min)	Coil Resistance (Ω) $\pm 10\%$ 0.4W / 0.25W		Nominal Current (mA) $\pm 10\%$ 0.4W / 0.25W		Nominal operating (W)	Max.Allowable PowerVoltage
5	3.75	0.50	62.5	100	80	50	0.40/0.25	130% of nominal Voltage
6	4.50	0.60	90	144	66.6	41.6		
12	9.00	1.20	360	576	33.3	20.8		
24	18.00	2.40	1440	2304	16.6	10.4		
48	36.00	4.80	5760	9216	8.3	5.2		

DIMENSIONS

外形图

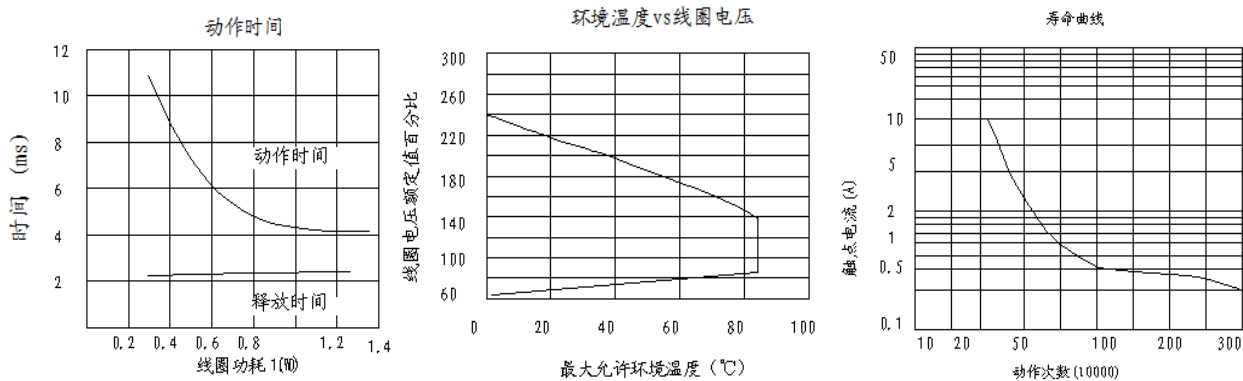


接线图 (底视图) Wiring Diagram (Bottom View)



安装脚位图 (底视图) PCB Layout (Bottom view)

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.