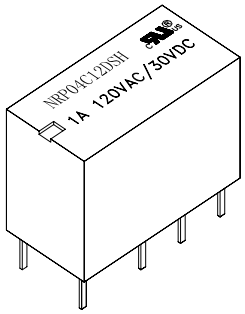
NRP SERIES

Industrial & Electrical Components

Miniature P.C.B Relay

Part No.

NRP-04



- Ultra-small type with dimensions.
- High sensitivity:200mW coil power
- Sealed type available

CONTACT

Arrangemen	2C
Contact Material	Silver Alloy
Contact Resistive (At 6VDC 1A)	≤ 100 mΩ
Rating	1A 120VAC
Resistive load (cosφ=1)	2A 24VDC
Max. Switching Voltage	240VAC / 60VDC
Max. Switching Current	2A
Max. Switching Power	120VA / 60W
Expected life	
Mechanical (At 300ops/min)	1×10^7 Min
Electrical (At 30ops/min)	1×10^5Min.

CHARACTERISTICS

Operate Time		8ms. Max.
Release Time		4ms. Max.
Initial breakdown voltage		
Between Coil & Contact		1000VAC (50/60Hz)for 1 min.
Between Open Contacts		600VAC (50/60Hz)for 1 min.
Insulation Resistance		Min.100MΩ (500 VDC)
Shock:	Endurance	10G
	Damage	50G
Vibration	Endurance	10 to 55 Hz ,1.5mm D.A.
	Damage	10 to 55 Hz ,1.5mm D.A.
Humidity		40%~85%RH
Ambient temperature		-40 to +85°C
Unit weight		≤5.5g

ORDERING INFORMATION

e.g

NRP - 04 - C - 12D - H

① ② ③ ④ ⑤

① Series: Miniature p.c.b Relay

② Part No.

③ Contact Form: C=2C/O; A = N/O; B= N/C

④ Coil Voltage: 12D= 12Vdc

⑤ Nil= 0.36W coil power

H= 0.20W coil power

T= 0.15W coil power

L= 0.45W coil power

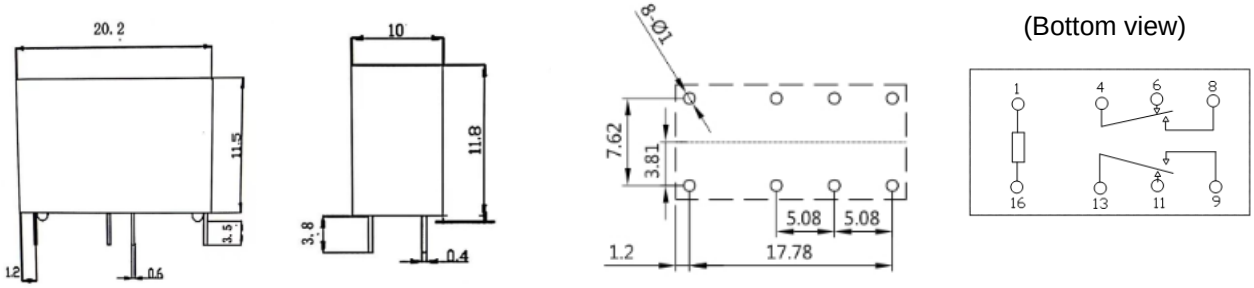
COIL DATA (at 20℃)

Nominal Voltage (VDC)	Pick-up Voltage VDC(Max)	Drop-out Voltage VDC(Min)	Coil Resistance (Ω)±10% High Sensitive 0.20W	Standard 0.36W	Low Sensitive 0.45W	Nominal operating Power (W)	Max.Allowable Voltage
3	2.25	0.30	45	25	20	0.20; 0.36 ; 0.45	130% of nominal Voltage
5	3.75	0.25	125	69	56		
6	4.50	0.30	180	100	80		
9	6.75	0.45	405	225	180		
12	9.00	0.60	720	400	320		
24	18.00	1.20	2880	1600	1280		

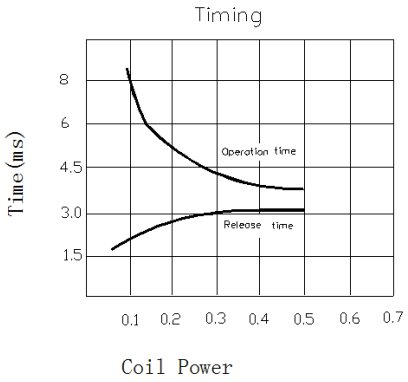
* Data of 0.15W: Pick-up voltage (Max) =80% of nominal voltage;Drop-out voltage (Min)= 5% of nominal voltage.

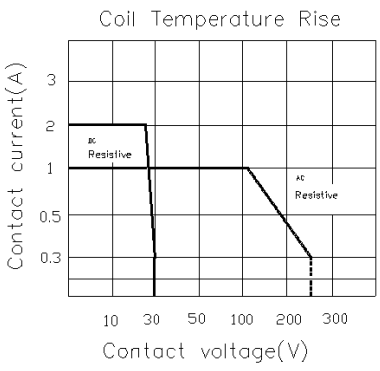
DIMENSIONS

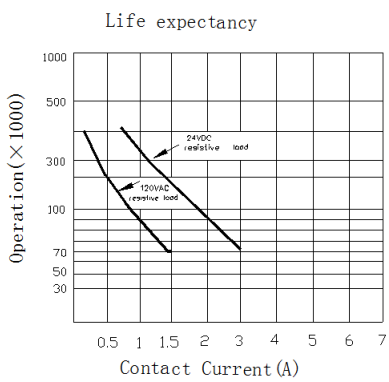
Unit: mm

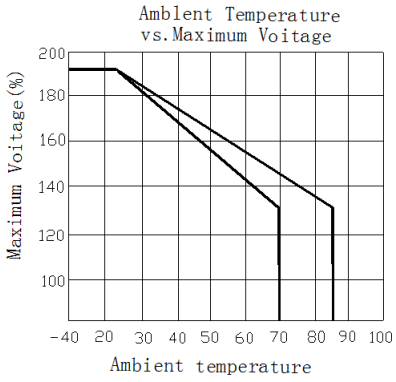


Reference Data 性能曲线图









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.

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