NRP / NCRP SERIES ISSU: 2002.06.12



Miniature PCB Relay

Part No.

NRP-07 NCRP-07



Compact size with universal footprint High contact capacity: 12A

UL/C-UL recognized Sealed type available

CONTACT

Arrangement	1A/1B/1C		
Contact Material	Silver Alloy		
Contact Resistive	Max.: 100 mΩ		
Rating	12A 120VAC		
Resistive load (cosφ=1)	10A 28VDC		
	7A 250VAC		
Max. Switching Voltage	250VAC / 30VDC		
Max. Switching Power	1250VA / 280W		
Expected life			
Mechanical	1×10 ⁷		
Electrical	1×10 ⁵		

CHARACTERISTICS

Operate Time	8msec. Max.			
Release Time	5msec. Max.			
Initial breakdown voltage				
Between Coil & Contact	1500VAC (50/60Hz)for 1 min.			
Between Open Contacts	750VAC (50/60Hz)for 1 min.			
Insulation Resistance	Min.100MΩ (500 VDC)			
Ambient temperature	-40 ~ +85			
Unit weight	9g			

TYPICAL APPLICATION

- 1) Home appliances: conditioner, hearter, etc.
- 2) Auomotive: Power-windows,car antenna,door lock,etc.

ORDERING INFORMATION

e.g

Series: Miniature p.c.b relay

<u>NRP - 07 - C - 12D</u>

Part No.

Contact Form:

C=1C/O; A = N/O; B= N/C

Coil Voltage: 12D= 12Vdc

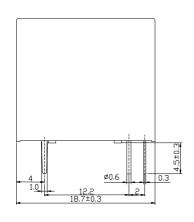
S= Sealed type

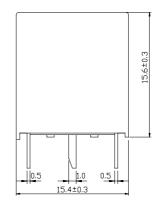
COIL DATA (at 20)

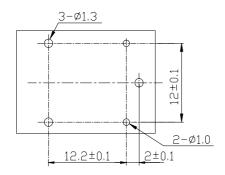
Nominal	Pick-up	Drop-out	Coil	Nominal operating	Max.Allowable
Voltage	Voltage	Voltage	Resistance	Power	Voltage
(VDC)	VDC(Max)	VDC(Min)	$(\Omega)\pm10\%$	(W)	
3	2.25	0.15	25	_	
5	3.75	0.25	69		
6	4.50	0.30	100		130% of
9	6.75	0.45	225	0.36	nominal Voltage
12	9.00	0.60	400	_	
24	18.00	1.20	1600	_	
48	36.00	2.40	6400	_	

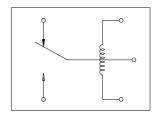
DIMENSIONS

Unit: mm

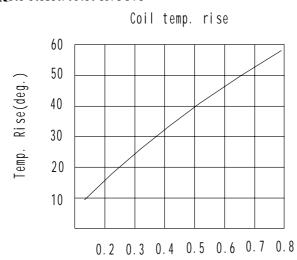


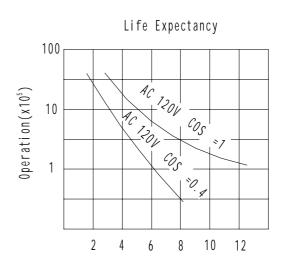






REFERENCE DATA





Current of load(A)