

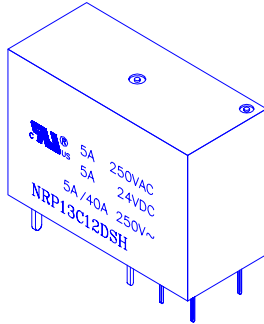


Industrial & Electrical Components

Miniature P.C.B Relay

Part No.

NRP-13



- 5A 240Vac 2 pole Slim relay
- Compact dimension
- UL/C-UL recognized
- Sealed type available

CONTACT

Arrangement	2A / 2B / 2C
Contact Material	Silver Alloy
Contact Resistive	$\leq 100 \text{ m}\Omega$
Rating	5A 240VAC
Resistive load ($\cos\phi=1$)	5A 30VDC
Max. Switching Voltage	250VAC 30VDC
Max. Switching Current	8A
Max. Switching Power	1250VA / 240W
Expected life	
Mechanical	$1 \times 10^7 \text{ Min}$
Electrical	$1 \times 10^5 \text{ Min.}$

CHARACTERISTICS

Operate Time	20ms. Max.
Release Time	10ms. 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.100M Ω (500 VDC)
Shock:	
Endurance	10G
Damage	100G
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 +70°C
Unit weight	$\leq 14\text{g}$

ORDERING INFORMATION

e.g

NRP - 13 - C - 12D - H
 ① ② ③ ④ ⑤

① Series: Miniature p.c.b Relay

② Part No.

③ Contact Form:

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

④ Coil Voltage: 12D= 12Vdc 24D= 24Vdc

⑤ Nil= 0.72W coil power

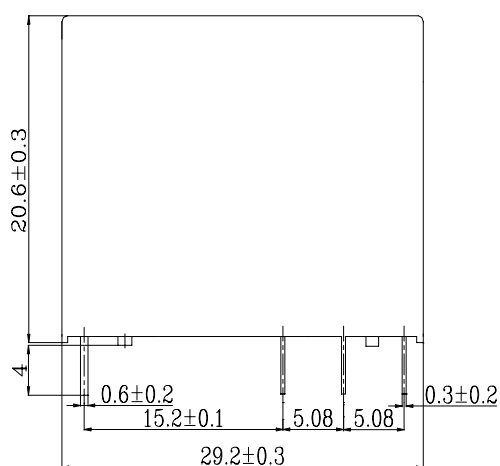
H= 0.54W coil power

COIL DATA (at 20°C)

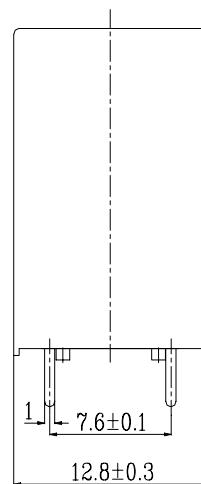
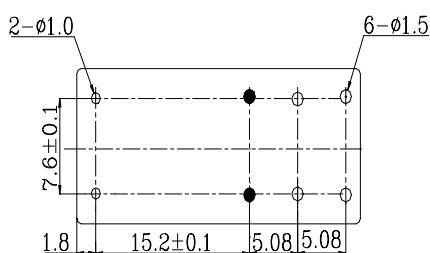
Nominal Voltage (VDC)	Pick-up Voltage VDC(Max)	Drop-out Voltage VDC(Min)	Coil Resistance (Ω) $\pm 10\%$		Nominal operating Power (W)	Max.Allowable Voltage
			High Sensitive 0.54W	Standard 0.72W		
3	2.40	0.15	17	13	0.54 / 0.72	130% of nominal Voltage
5	4.00	0.25	46	35		
6	4.80	0.30	67	50		
9	7.20	0.45	150	110		
12	9.60	0.60	270	200		
24	19.20	1.20	1050	800		
48	38.40	2.40	4250	3200		

DIMENSIONS

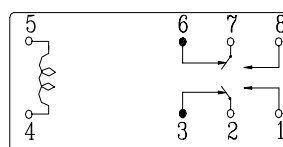
Unit: mm



(BOTTOM VIEW)



(BOTTOM VIEW)



Industrial & Electrical Components