

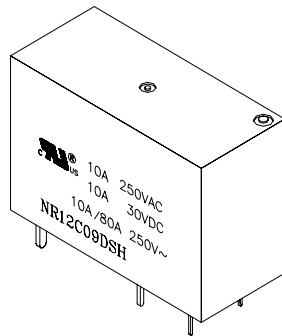


Industrial & Electrical Components

**Miniature
P.C.B Relay**

Part No.

NRP-12



10A 240Vac Slim relay
Compact dimension
UL/C-UL recognized
Sealed type available

CONTACT

| | |
|-------------------------|------------------------|
| Arrangement | 1A / 1B / 1C |
| Contact Material | Silver Alloy |
| Contact Resistive | 100 mΩ |
| Rating | 10A 240VAC |
| Resistive load (cosφ=1) | 10A 30VDC |
| Max. Switching Voltage | 250VAC 30VDC |
| Max. Switching Current | 12A |
| Max. Switching Power | 2500VA / 300W |
| Expected life | |
| Mechanical | 1×10 ⁷ Min |
| Electrical | 1×10 ⁵ 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.100MΩ (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 |
| Unit weight | 14g |

ORDERING INFORMATION

e.g

NRP - 12 - C - 12D - H

Series: Miniature p.c.b Relay

Part No.

Contact Form:

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

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

Nil= 0.72W coil power

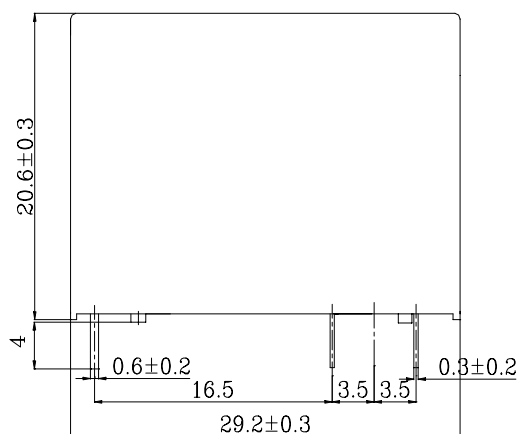
H= 0.54W coil power

COIL DATA (at 20)

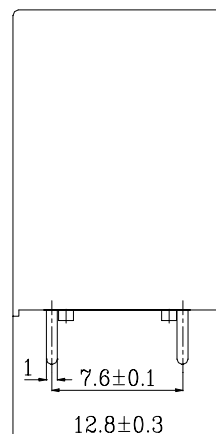
| Nominal Voltage (VDC) | Pick-up Voltage VDC(Max) | Drop-out Voltage VDC(Min) | Coil Resistance (Ω) \pm 10% | | Nominal operating Power (W) | Max.Allowable Voltage |
|-----------------------|--------------------------|---------------------------|--|----------------|-----------------------------|-------------------------|
| | | | 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

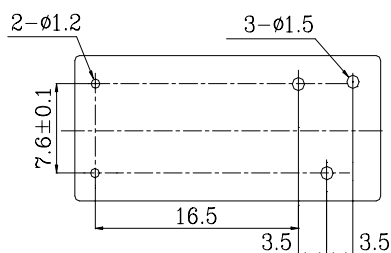
Unit: mm



(BOTTOM VIEW)



(BOTTOM VIEW)



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