

Industrial & Electrical Components

General Power Relay

Part No.

NRP20



- 20A 277vac.
- The contact form construction is 1A
- Sealed type available.

CONTACT

Arrangement	1A
Contact Material	Silver Alloy
Contact Resistance	
(By voltage drop 6VDC 1A)	Max.50mΩ
Rating	
Resistive load	20A at 277VAC
(Cos.φ=1)	
Motor Inrush	
Max. Allowable Voltage	AC277V
Max. Allowable Current	20A
Max. Allowable Power	5540VA
Service life	
Electrical	1×10^5
Mechanical	1×10^7

CHARACTERISTICS

Operate Time	Max.10ms
Release Time	Max.5ms
Dielectric Strength	
Between contacts	1000VAC(50/60Hz) for 1min
Between contact and coil	4500VAC(50/60Hz) for 1min
Insulation Resistance	Min.1000MΩ (500 VDC)
Ambient temperature	-40~ 85℃
Humidity	5%~85%
Shock	
Endurance	981m/s ²
Error Operation	98.1m/s ²
Vibration Endurance	10 ~ 55 Hz D.A. of 1.5mm
Unit weight	22g

ORDERING INFORMATION

e.g

NRP-20- A - 12D -P

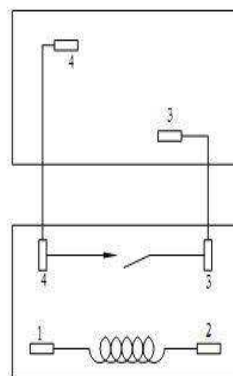
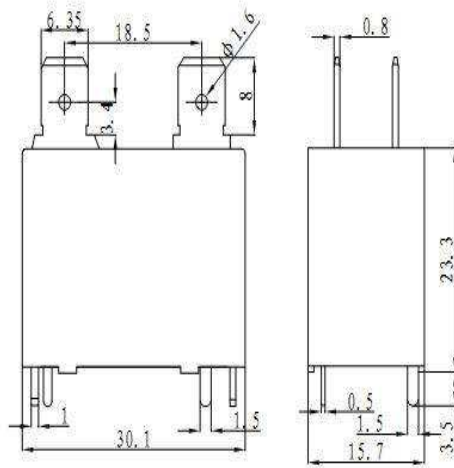
① ② ③ ④

- ① Series: General Power Relay
- ② Contact Arrangement : A=1N/O
- ③ Coil Rated Voltage: 12D=12VDC,24D=24VDC
- ④ Terminal Type: **Blank**: standard type **P**: PCB type

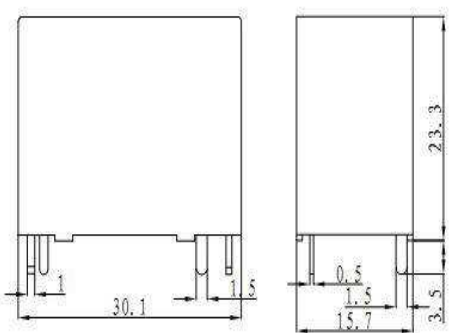
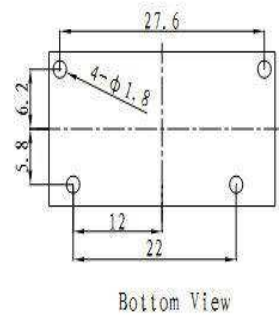
COIL DATA(at 20°C)

Nomina I Voltage (VDC)	Pick-up Voltage VDC(Max)	Drop-out Voltage VDC(Min)	Coil Resistance (Ω) ±8%	Nominal Current(mA)±10%	Max.Allowable Voltage
5	75% Maximum	10% Minimum	28	178.6	130%
6			40	150	
9			90	100	
12			160	75	
24			640	37.5	
48			2560	18.8	

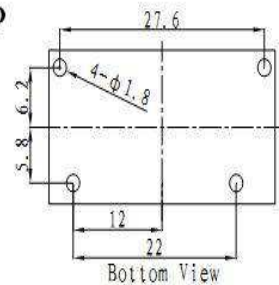
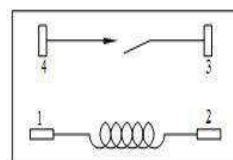
DIMENSIONS (Unit: mm)



NRP20-A12D



NRP20-A12D-P



Dimension Tolerance: <1mm: $\pm 0.2\text{mm}$
 1—5mm: $\pm 0.3\text{mm}$
 > 5mm: $\pm 0.5\text{mm}$