

 Industrial & Electrical Components	Miniature SMD Relay	Part No. NRP-11
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**DIL pitch terminal. High Sensitivity TQ2
Monostable or bistable relays
Conforms to FCC part 68 1.5KV surge
1000V dielectric strength**

CONTACT

Arrangement	1A
Contact Material	AgPd, AgNi
Contact Resistance (By voltage drop 6V 1A)	Max. 50mΩ
Rating	
Resistive load (Cos.Φ=1)	1A 30VDC
Motor Inrush	0.5A 125VAC
Max. Allowable Voltage	220VDC 250VAC
Max. Allowable Current	1A
Max. Allowable Power	30W 62.5VA
Service life	1A 30VDC: 2 X 10 ⁵
Electrical	0.5A 125VAC: 1 X 10 ⁵
Machanical	10 ⁸

CHARACTERISTICS

Operate Time	2 ms
Surge Withstand Voltage	
Between coil & contact	1500V
Between open contacts	2500V
Initial breakdown voltage	
Between coil & contact	1000VAC for 1 Min.
Between open contacts	1000VAC for 1 Min.
Insulation Resistance	Min.1000MΩ (500 VDC)
Ambient temperature	-40 ~+70
Shock	Functional 500m/s ² 11ms
Resistance	Destruction 1000m/s ² 6ms
Vibration	Functional 10 to 55 Hz D.A. of 3mm
Resistance	Destruction 10 to 55 Hz D.A. of 5mm
Unit weight	1.5g Max.

Caution: Relays previously tested or used above 10mA resistive at 6V maximum(DC or peak AC) open circuit are not recommended for subsequent use in low level application

ORDERING INFORMATION

e.g

NRP - 11 - 05D - P

Series: NCR Telecom Relay Series

Part No.

Coil Voltage: 3, 4.5, 5, 6, 9, 12, 24 dc

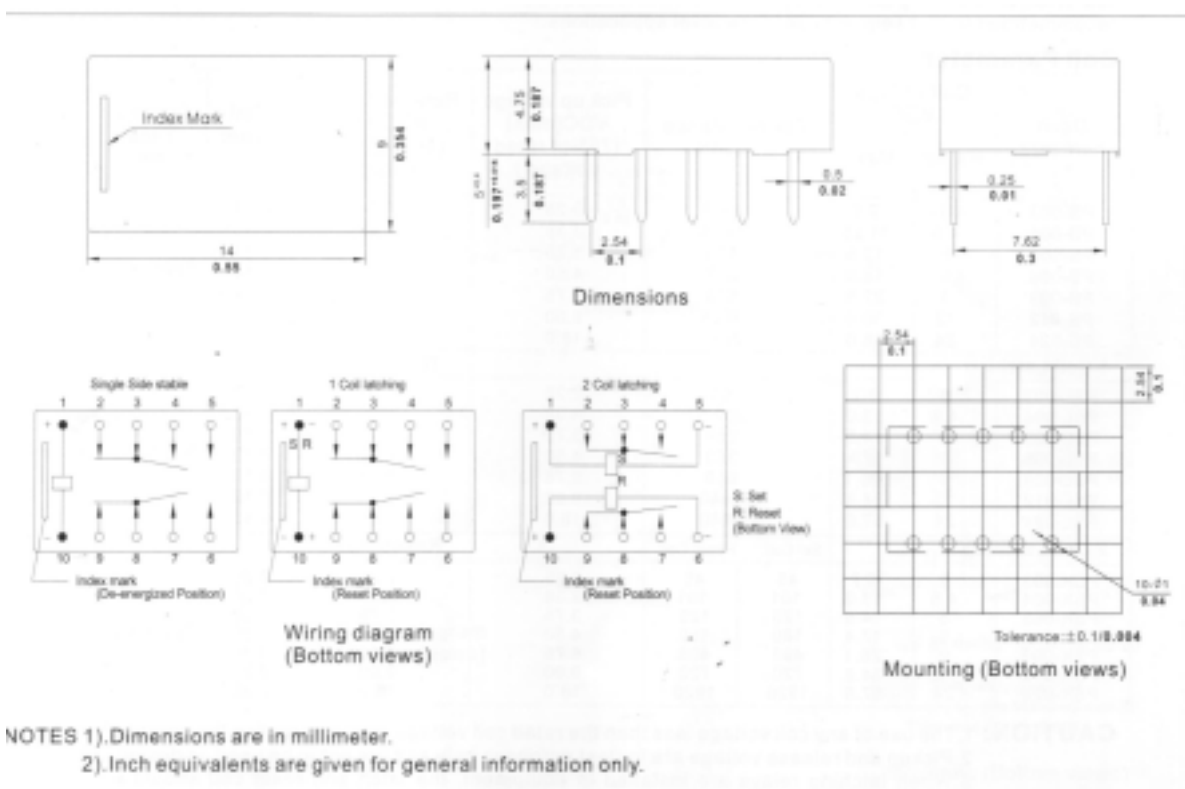
Coil Power: P= 0.15W, PL=Latch, 0.1W PK=Dual coil 0.2V

COIL DATA (at 20 °C)

Dash numbers	Coil voltage VDC		Coil resistance $\Omega \pm 10\%$	Pick up voltage VDC(max) (75% of rated voltage)	Release voltage VDC(min) (10% of rated voltage)	Coil power W	Operate Time ms	Release /Reset Time ms
	Rated	Max.						
P-003	3	7.5	64.3	2.25	0.3	0.14	Approx.2	Approx.1
P-004	4.5	11.25	144.6	3.38	0.45	0.14		
P-005	5	12.5	178	3.75	0.5	0.14		
P-006	6	15.0	257	4.50	0.6	0.14		
P-009	9	22.5	579	6.75	0.9	0.14		
P-012	12	30.0	1028	9.00	1.2	0.14		
P-024	24	48.0	2880	18.0	2.4	0.20		
1 Coil Latching				Reset(Max)				Reset
PL-003	3	8.7	90	2.25	-2.25	0.10	Approx.2	Approx.2
PL-004	4.5	13.0	202.5	3.38	-3.38	0.10		
PL-005	5	14.5	250	3.75	-3.75	0.10		
PL-006	6	17.4	360	4.50	-4.50	0.10		
PL-009	9	26.1	810	6.75	-6.75	0.10		
PL-012	12	34.8	1440	9.00	-9.00	0.10		
PL-024	24	57.6	3840	18.0	-18.0	0.15		
2 Coil Latching			Set Coil	Reset Coil	Reset(Max)			Reset
PK-003	3	8.7	45	45	2.25	2.25	Approx.2	Approx.2
PK-004	4.5	13.0	101	101	3.38	3.38		
PK-005	5	14.5	125	125	3.75	3.75		
PK-006	6	17.4	180	180	4.50	4.50		
PK-009	9	26.1	405	405	6.75	6.75		
PK-012	12	34.8	720	720	9.00	9.00		
PK-024	24	57.6	1920	1920	18.0	18.0	0.20	0.30

CAUTION: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.

DIMENSIONS (Unit: mm)



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