

RELAY SPECIFICATION for LMR1 Series

P1

1. CONTACT DATA:

- 1-1 Arrangement----- 1 form C (SPDT)
1 form A (SPST-NO)
1 form B (SPST-NC)
- 1-2 Material----- AgSnIn
- 1-3 Resistive Load----- 12A 250VAC, 12A 30VDC, 10A 48VDC
- 1-4 TV Rating----- TV-5
- 1-5 Contact Resistance----- 100mΩ Max. (initial value)
- 1-6 Max. Switching Power -- 3000 VA, 480W
- 1-7 Max. Switching Voltage - 250 VAC, 30 VDC
- 1-8 Max. Switching Current - 12 A



2. COIL DATA (at 25°C):

DC 0.53W				
Nominal Voltage (VDC)	Resistance Tol.±10% (Ω)	Nominal Current (mA)	Maximum Pick Up Voltage(V)	Minimum Drop Out Voltage(V)
3	17	176.50	2.25	0.3
5	47	106.4	3.75	0.5
6	68	88	4.5	0.6
9	155	58	6.75	0.9
12	270	44.4	9	1.2
24	1,100	21.8	18	2.4
48	4,400	10.9	36	4.8

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P2

3. GENERAL DATA:

3-1 Operate Time----- 7 ms max.

3-2 Release Time----- 3 ms max.

3-3 Insulation material----- Bobbin: P.B.T.

Cover: P.B.T.

3-4 Insulation Resistance----- Min. 1,000M Ω at 500 VDC.

3-5 Initial Dielectric Strength-Between open contacts: 1,000 VAC, 50/60 Hz for 1 min.

Between contact sets: 2,500 VAC, 50/60 Hz for 1 min.

Between all conductors: 5,000 VAC, 50/60 Hz for 1 min.

3-6 Vibration Resistance----- 10 to 55 Hz. double amplitude of 1.5mm.

3-7 Shock Resistance-----Unerring: 10G. (11ms)

Destructive: 100G. (6 ms)

3-8 Life expectancy ----- Mechanical: 10,000,000 operations.

Electrical: 100,000 operations.

3-9 Temperature Range----- -40 °C ----- +85°C.

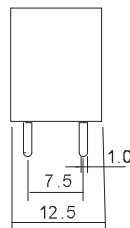
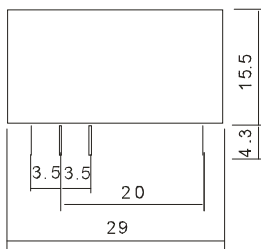
3-10 Approximate Weight--- 12 gram.

3-11 UL File NO. ----- E126157

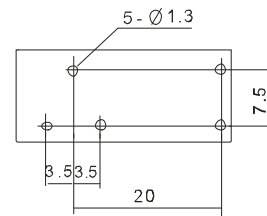
3-12 CUL File NO. ----- E126157

3-13 TUV File N.O. ----- R3-50005425

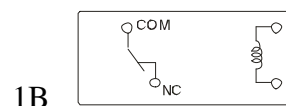
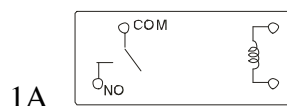
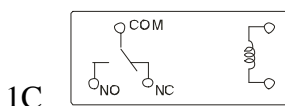
4. Dimensions (mm):



PCB Layout



Wiring Diagram



RAYEX ELECTRONICS CO., LTD.