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RAYEX ELEC.

LM SERIES

FEATURES

- High sensitive type
- Dielectric strength AC 5,000V
- 8mm insulation distance
- Using at home appliances, microwave ovens, air conditioners, audio equipment, temperature controller





UL FILE NO. : E126157
CUL FILE NO. : E126157
TUV FILE NO. : R3-50005425

ORDERING INFORMATION

LM	P	1H	A	—	12	D
1	2	3	4		5	6

1. Type
2. STYLE:
   Nil: 25.5mm HEIGHT
   R: 15.5mm HEIGHT
   P: PC COVER
   (25.5mm HEIGHT)

3.Cont.Type
1:1 Polt
2:2 Polt
1H:16A(1Polt 2 Feet)

4.Contact Arrangement
Nil: Form C
A: Form A
B: Form B

5. Coil Nominal Voltage
6. Coil Nominal Voltage Type
D : DC
A : AC

COIL DATA (at 25℃)

DC 0.53 W					AC 1.2 VA			
Coil Nominal Voltage (VDC)	Resistance Tol.±10% (Ohms)	Nominal Current (mA)	Maximum Pick Up Voltage (V)	Minimum Drop Out Voltage (V)	Coil Nominal Voltage (50/60Hz)	Resistance Tol.±10% (Ohms)	Maximum Pick Up Voltage (V)	Minimum Drop Out Voltage (V)
3	17	176.5	2.25	0.3	6	16.5	4.8	1.8
5	47	106.4	3.75	0.5	12	63	9.6	3.6
6	68	88.0	4.5	0.6	24	250	19.2	7.2
9	155	58.0	6.75	0.9	110	5,600	88.0	33.0
12	270	44.4	9.0	1.2	220	18,800	176.0	66.0
24	1,100	21.8	18.0	2.4				
48	4,400	10.9	36.0	4.8				
100/110	18,860	5.3	82.5	11.0				

CONTACT RATING

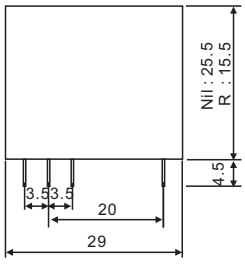
LM1 TYPE (1PDT)	Resistive (Cos.θ = 1)	AC 250V / DC 30V	12A
LM2 TYPE (2PDT)	Resistive (Cos.θ = 1)	AC 250V / DC 30V	5A
LM1H TYPE (1PDT)	Resistive (Cos.θ = 1)	AC 250V	16A
		AC 125V / DC 30V	20A

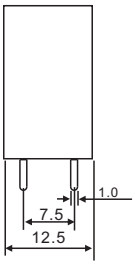
DIMENSIONS(mm)

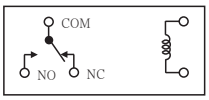
WIRING DIAGRAM (BOTTOM VIEW)

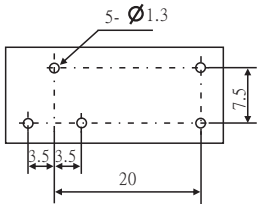
P.C.B LAYOUT (BOTTOM VIEW)

LM1

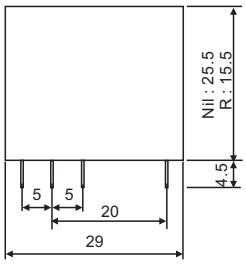


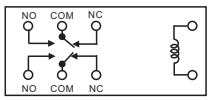


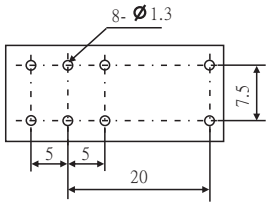




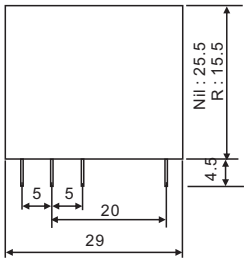
LM2

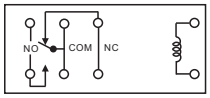


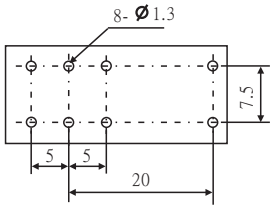




LM1H







GENERAL DATA

Insulation Resistance	1,000 MΩ Min. (DC 500V)
Dielectric Strength	1,000 VAC, 50/60Hz between contact.
	5,000 VAC, 50/60Hz between all elements.
Contact Material	Silver- Cadmium Oxide as standard.
Contact Resistance	100 milliohms max. (initial value)
Shock Resistance	Malfunction: 10G(11ms) ; Destructive: 100G(6ms)
Vibration Resistance	Malfunction: 10 to 55 Hz. at Double Amplitude of 1.5 mm
	Destructive: 10 to 55 Hz. at Double Amplitude of 1.5 mm
Operation Time	15 ms max.
Release Time	10 ms max.
Temperature Range	- 40°C ~ + 80°C
Expected Life	With operation rate 30/min. Mechanical - 10,000,000 operations min. Electrical - 100,000 operations min. at rated load.
Weight	Standard Type : 17 grams, M Type : 15 grams, L Type : 12 garms