

FLA1

PC Board Relay

 **IE332369**
29.5×13×20.6



- 10A switching capability
- SPST-NO&SPDT configuration
- Small footprint
- Sealed version available
- Transparent sealed available
- Class B/F available
- Conform to RoHS,ELV directive

CONTACT DATA

Contact Form	1H/1Z
Contact Material	Silver Alloy
Load	Resistive load(COS Φ =1)
Contact Ratings	10A 240VAC 10A 30VDC
Minimum load	100mA 5VDC
Max Switching Voltage	250VAC/30VDC
Max Switching Current	12A
Max Switching Power	2500VA/300W
Contact Resistance	100m Ω Max at 6VDC 1A
Electrical	100, 000 Operations(at30Operations/minute)
Mechanical	10, 000, 000 Operations(at300Operations/minute)

CHARACTERISTICS DATA

Insulation Resistance	100M Ω Min at 500VDC
Between Open Contacts	1000VAC(for one minute)
Between Contacts and Coil	5000VAC(for one minute)
Operate Time	20ms
Release Time	10ms
Temperature Range	-40℃to+70℃
Shock Resistance	Operating Extremes: 10G
	Damage Limits: 100G
Vibration Resistance	10-55Hz, 1.5mm
Max. switching frequency	Mechanical: 18,000operations/hr Electrical: 1,800operations/hr
Humidity	40-85%
Weight	Approx 14g

COIL DATA

at 20℃

Coil Power 0.54W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance ($\Omega \pm 10\%$)
3	180	2.4	0.15	17
5	108	4	0.25	46
6	90	4.8	0.3	67
9	60	7.2	0.45	150
12	45	9.6	0.6	270
24	22.5	19.2	1.2	1050
48	11.3	38.4	2.4	4250

Coil Power 0.72W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance ($\Omega \pm 10\%$)
3	240	2.4	0.15	13
5	144	4	0.25	35
6	120	4.8	0.3	50
9	80	7.2	0.45	110
12	60	9.6	0.6	200
24	30	19.2	1.2	800
48	15	38.4	2.4	3200

APPROVED STANDARDS

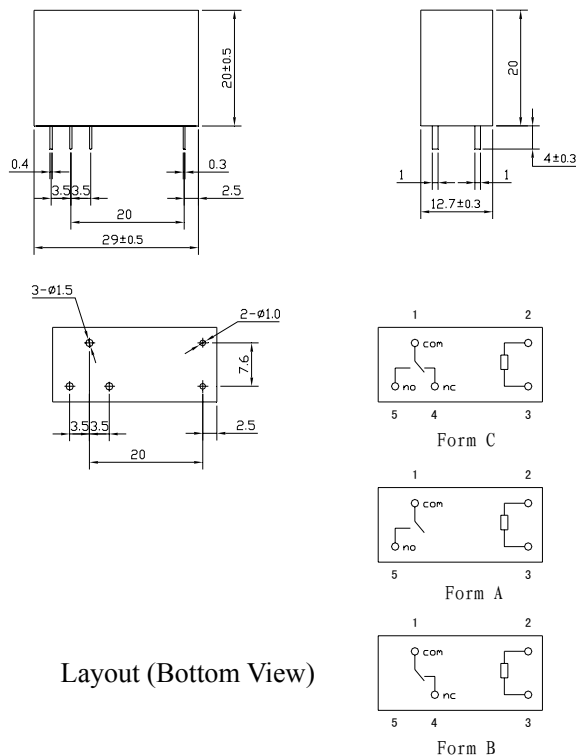
UL & cUL	10A 240VAC 10A 30VDC
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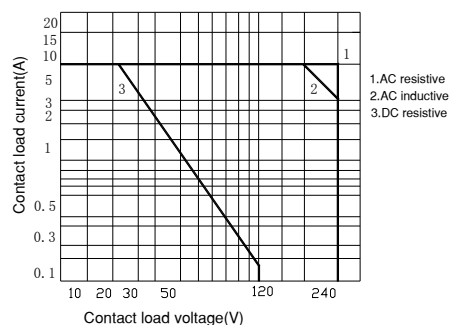
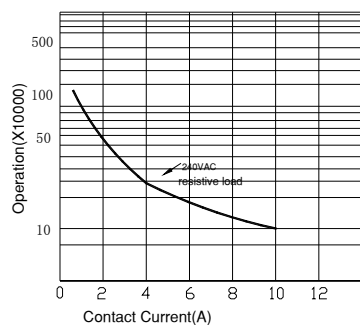
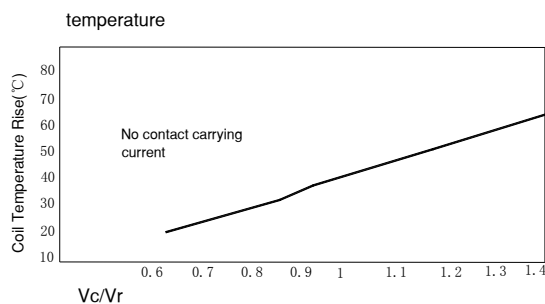
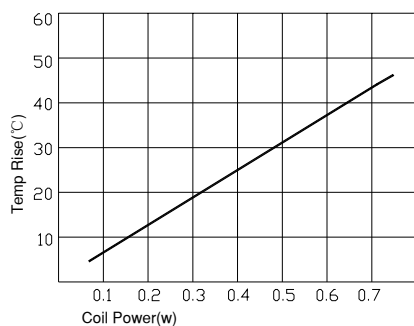
OPDERING CODE

<u>FLA1</u>	<u>D</u>	<u>12VDC</u>	<u>S</u>	<u>H</u>	<u>(2)</u>
1	2	3	4	5	6
1. Relay Model			4. S: Sealed		6. Nil: Standard Type
2. Coil Power			5. Contact Form		2: Transparent Cover
		D=0.72W, L=0.54W	Z: Form C		
3. Coil Nominal Voltage			H: Form A		
		3,5,6,9,12,24,48VDC	H1: Form B		

OUTLINE DIMENSIONS, WIRING DIAGRAM AND LAYOUT



ENGINEERING DATA



FLOURISHING RELAY

The specifications are for the customer's reference and are subject to change without notice.