

# FLA1H

# PC Board Relay

 us E173485

29.5×13×20.6



- 16A 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	16A 250VAC 16A 30VDC
Minimum load	100mA 5VDC
Max Switching Voltage	250VAC/30VDC
Max Switching Current	16A
Max Switching Power	4000VA/480W
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°C to +70°C
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°C

Coil Power 0.54W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance (Ω ±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 (Ω ±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	16A 250VAC 16A 30VDC
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FLOURISHING RELAY

NINGBO FLOURISHING PRECISION ELECTRON CO.,LTD

2008.12 B

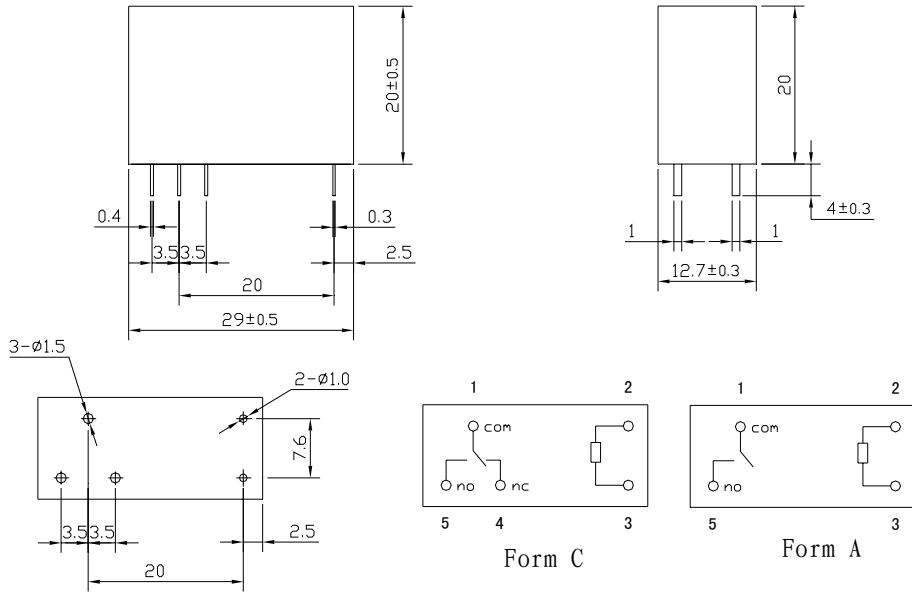
## OPERING CODE

<u>FLA1H</u>	<u>D</u>	<u>— 12VDC</u>	<u>— S</u>	<u>— H</u>
1	2	3	4	5

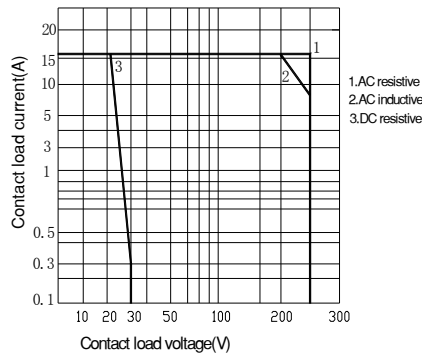
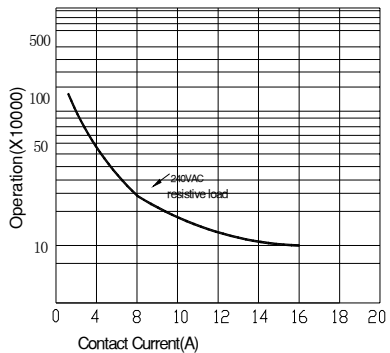
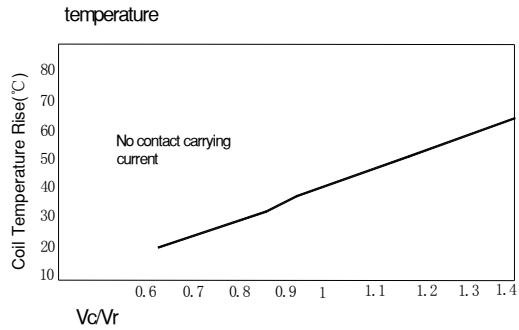
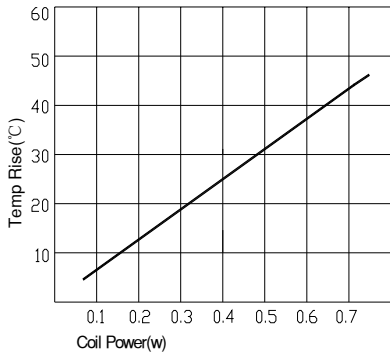
1. Relay Model	4. S: Sealed
2. Coil Power D=0.72W, L=0.54W	5. Contact Form Z: Form C
3. Coil Nominal Voltage 3,5,6,9,12,24,48VDC	H: Form A

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND LAYOUT



Layout (Bottom View)

## ENGINEERING DATA



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