FLG1 PC Board Relay

c UL us E173485

18.2×10.2×15.2

- 5A switching capability
- SPST-NO configuration
- Standard PC layout
- Sealed type available
- Surge resistance of 5000V
- Conform to RoHS,ELV directive

CONTACT DATA

Contact Form	1H
Contact Material	Silver Alloy
Load	Resistive load(COSΦ1)
Contact Ratings	1H-D: 10A 120VAC 5A 240VAC 1H-L: 3A 240VAC 3A30VDC
Minimum load	100mA 5VDC
Max Switching Voltage	277VAC/30VDC
Max Switching Current	1H-D:5A 1H-L:3A
Max Switching Power	1H-D:1200VA/150W 1H-L: 600VA/90W
Contact Resistance	100mΩMax at 6VDC 1A
Electrical	100, 000 Operations(at30Operations/minute)
Mechanical	10, 000, 000 Operations(at300Operations/minute)

CHARACTERISTICS DATA

Insulation Resistance	100MΩMin at 500VDC	
Between Open Contacts	1000VAC(for one minute)	
Between Contacts and Coil	4000VAC(for one minute)	
Operate Time	1H-D:10ms	1H-L: 15ms
Release Time	4ms	
Temperature Range	-40℃to+85℃	
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 6g	

COIL DATA at 20℃

Coil Power 0.2W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance (Ω±10%)
3	66.67	2.25	0.15	45
5	40	3.75	0.25	125
6	33.33	4.5	0.3	180
9	22.22	6.75	0.45	405
12	16.67	9	0.6	720
18	11.11	13.5	0.9	1620
24	8.33	18	1.2	2880

Coil Power 0.45W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance (Ω±10%)
3	150	2.25	0.15	20
5	89.28	3.75	0.25	56
6	75	4.5	0.3	80
9	50	6.75	0.45	180
12	37.5	9	0.6	320
18	25	13.5	0.9	720
24	18.75	18	1.2	1280

APPROVED STANDARDS

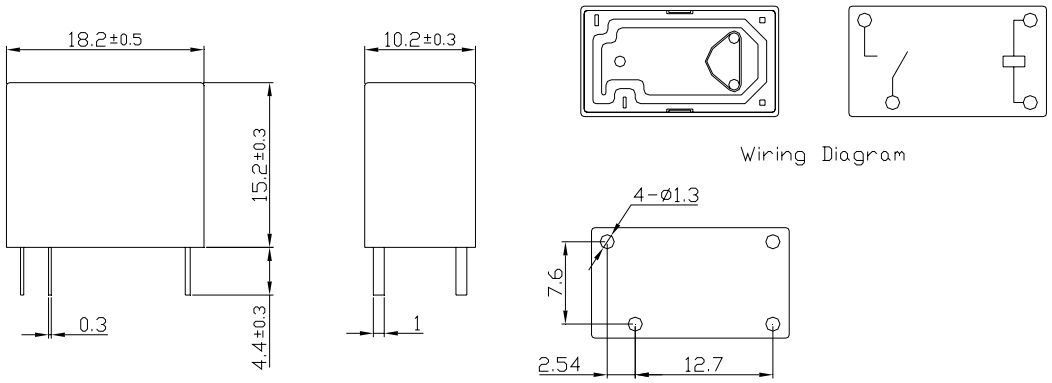
UL & cUL	1H-D: 10A 120VAC 5A 240VAC 1H-L: 3A 240VAC 3A30VDC

OPDERING CODE

FLG1	D	—	12VDC	—	S	—	H
1	2		3		4		5

1. Relay Model
2. Coil Power
   D=0.45W, L=0.2W
3. Coil Nominal Voltage
   3,5,6,9,12,18,24VDC
4. S：Sealed
5. Contact Form
   H: Form A

OUTLINE DIMENSIONS, WIRING DIAGRAM AND LAYOUT



ENGINEERING DATA