S 4190D PC Board Relay

c us E173485

29.5× 13× 20.6



- Creepage distance:8.0mm Min
- Au-clad contact available
- Transparent sealed available
- Class B/F available
- Conform to RoHS,ELV directive

CONTACT DATA

Contact Form	2H/2Z
Contact Material	Silver Alloy
Load	Resistive load(COSΦ=1)
Contact Ratings	5A 240VAC 5A 30VDC
Minimum load	100mA 5VDC
Max Switching Voltage	250VAC/30VDC
Max Switching Current	8A
Max Switching Power	1250VA/240W
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	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

APPROVED STANDARDS

UL & cUL	5A 240VAC 5A 30VDC

COIL DATA at 20℃

Coil Power 0.24W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance (Ω±10%)
3	80	2.4	0.15	38
5	48	4	0.25	104
6	40	4.8	0.3	150
9	26.7	7.2	0.45	338
12	20	9.6	0.6	600
24	10	19.2	1.2	2400
48	5	38.4	2.4	9600

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

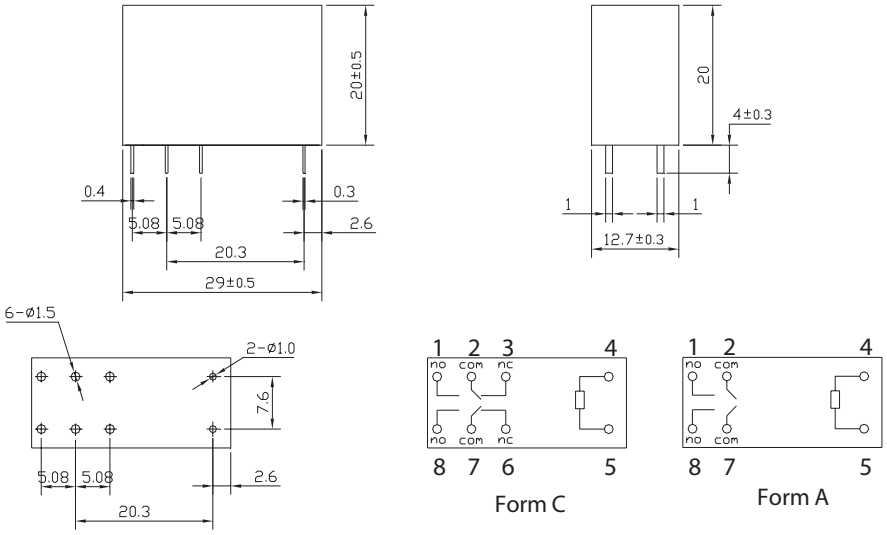
Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance (Ω±10%)
3	240	2.4	0.15	13
5	144	4	0.25	35
6	120	4.8	0.3	50
9	80	7.2	0.45	110
12	60	9.6	0.6	200
24	30	19.2	1.2	800
48	15	38.4	2.4	3200

OPDERING CODE

FLA3 D — 12VDC — S — 2Z (2)
1 2 3 4 5 6

1. Relay Model
2. Coil Power
   D=0.72W, L=0.54W, M=0.24W
3. Coil Nominal Voltage
   3,5,6,9,12,24,48VDC
4. S: Sealed
5. Contact Form
   2Z: Form 2C
   2H: Form 2A
6. Nil: Standard Type
   2：Transparent Cover

OUTLINE DIMENSIONS, WIRING DIAGRAM AND LAYOUT



Layout (Bottom View)

ENGINEERING DATA

