


FLCD/FLCDF

PC Board Relay

 E173485

23×16.1×10.2
23×25×10.2



- Sub-miniature dimensions: 23×16.1×10.2 (L×W×H)
- High-sensitivity models available with low power consumption (200 mW)
- Conform to RoHS,ELV directive

2

COIL DATA at 20°C

Coil Power 0.2W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance ($\Omega \pm 10\%$)
3	66.7	2.25	0.15	45
5	40	3.75	0.25	125
6	33.3	4.5	0.3	180
9	22.2	6.75	0.45	405
12	16.7	9	0.6	720
24	8.3	18	1.2	2880
48	4.2	36	2.4	11520

Coil Power 0.36W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance ($\Omega \pm 10\%$)
3	120	2.25	0.15	25
5	71.4	3.75	0.25	69
6	60	4.5	0.3	100
9	40	6.75	0.45	225
12	30	9	0.6	400
24	15	18	1.2	1600
48	7.5	36	2.4	6400

Coil Power 0.45W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance ($\Omega \pm 10\%$)
3	150	2.25	0.15	20
5	89.2	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
24	18.7	18	1.2	1280
48	9.4	36	2.4	5120

CONTACT DATA

Contact Form	1H
Contact Material	Silver Alloy
Load	Resistive load(COS $\Phi=1$)
Contact Ratings	10A 250VAC/24VDC 15A 125VAC 1/2HP 125VAC TV-5A @125VAC(LAMP)
Minimum load	100mA 5VDC
Max Switching Voltage	250VAC/125VDC
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	750VAC(for one minute)
Between Contacts and Coil	2500VAC(for one minute)
Operate Time	15ms
Release Time	8ms
Temperature Range	-40°C to +85°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	20-85%
Weight	Approx 10g

APPROVED STANDARDS

UL & cUL	10A 250VAC 15A 125VAC 1/2HP 125VAC TV-5A @125VAC (LAMP)
----------	--



FLOURISHING RELAY

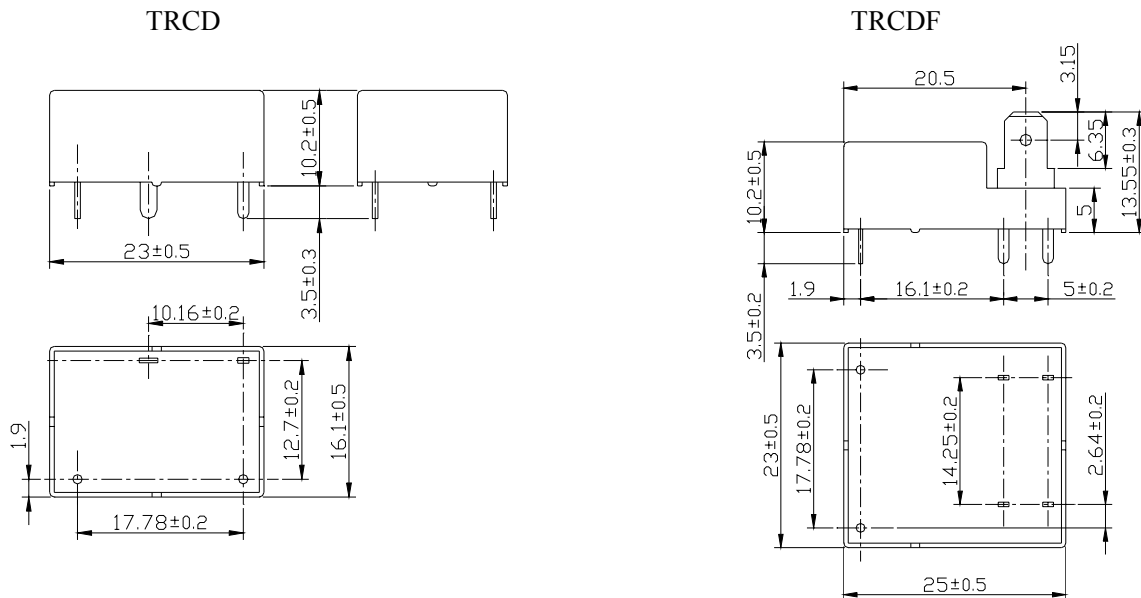
NINGBO FLOURISHING PRECISION ELECTRON CO.,LTD

2008.12 B

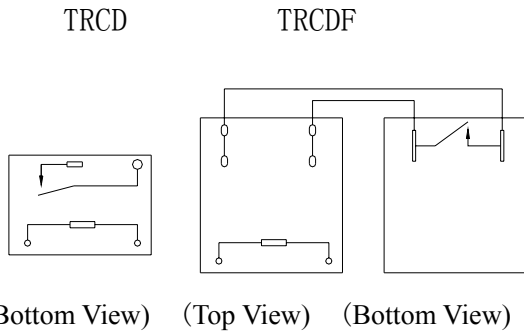
OPDERING CODE

FLCD	L	—	12VDC	—	S	—	H
1	2	3	4	5			
1. Relay Model FLCD or FLCDF			4. S: Sealed Nil: Vented(Flux-tight)				
2. Coil Power L=0.2W, D=0.36W, N=0.45W			5. Contact Form H: Form A				
3. Coil Nominal Voltage 3,5,6,9,12,24,48VDC							

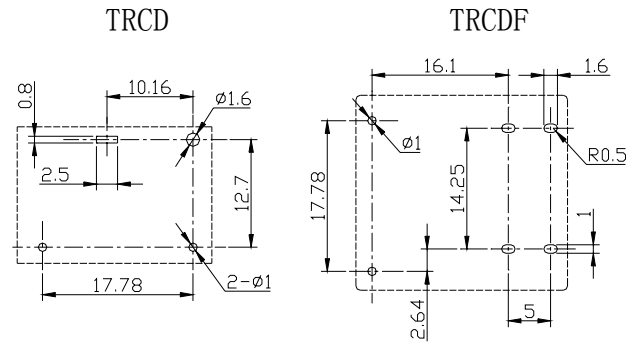
OUTLINE DIMENSIONS, WIRING DIAGRAM AND LAYOUT



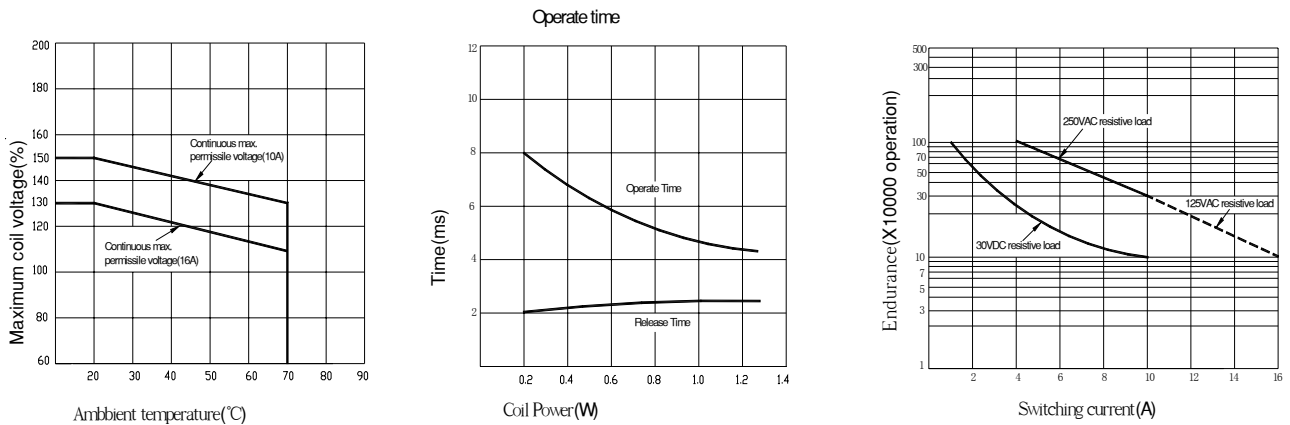
Wiring Diagrams



PC Board Layouts(Bottom View)



ENGINEERING DATA



FLOURISHING RELAY

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