

TC3F (T73)

19.5 × 15.5 × 15.5

Features

- Small size, light weight and heavy switching power.
- Low coil power consumption.
- PC board mounting is available.
- The parts with IEC60335-1 compliance is available.
- Suitable for automatic system, communication device, home appliance application, electromechanical equipment and so on.

Ordering Information

TC3F **S** **1** **12** **C**
1 2 3 4 5

1 Part number: TC3F(T73)

3 Number of contact groups: 1: One group

5 Contact form: A:Normally open B:Normally closed
C:Conversion

2 Enclosure: S: Sealed type NIL: Dust cover

4 Coil rated voltage(V): DC:3,6,9,12,24,48

Contact Data

Contact Arrangement	1A(1H) (SPSTNO) 1B(1D)(SPSTNC) 1C(1Z)(SPDT(B-M))
Contact Rating (resistive)	10A/250VAC,277VAC;12A/250VAC,277VAC
Max. Switching Power	3000VA
Max. Switching Voltage	380VAC Max. Switching Current:12A
Contact Resistance or Voltage drop	≤100mΩ
Operation life	Electrical 10 ⁵
	Mechanical 10 ⁷

Coil Parameter

Coil voltage VDC		Coil resistance Ω ± 10%	Pick up voltage VDC(max) (75%of rated voltage)	Release voltage VDC(min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
Rated	Max.						
3	3.9	25	2.25	0.3	0.36	≤15	≤5
6	7.8	100	4.50	0.6			
9	11.7	225	6.75	0.9			
12	15.6	400	9.00	1.2			
24	31.2	1600	18.0	2.4			
48	62.4	6400	36.0	4.8			
3	3.9	20	2.25	0.3	0.45	≤15	≤5
6	7.8	80	4.50	0.6			
9	11.7	180	6.75	0.9			
12	15.6	320	9.00	1.2			
24	31.2	1280	18.0	2.4			
48	62.4	5120	36.0	4.8			

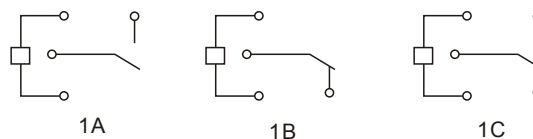
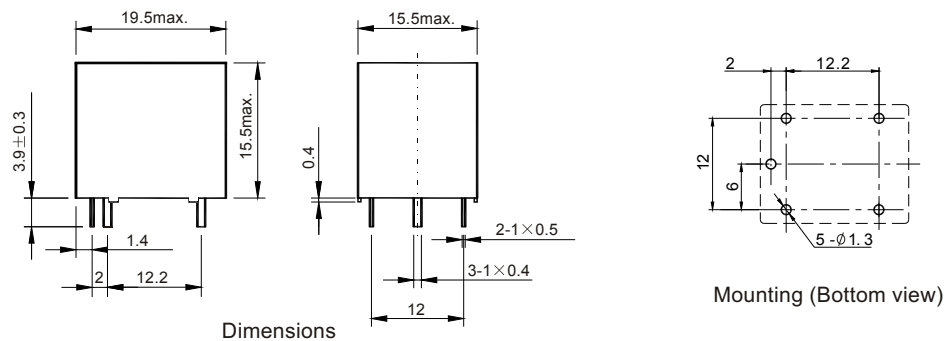
CAUTION: 1.The use of any coil voltage greater than the rated coil voltage will compromise the operation of the relay.
2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Operation condition

Insulation Resistance	100M min (at 500VDC)
Dielectric Strength Between contacts Between contact and coil	50Hz750V 50Hz 1500V
Shock resistance	strength: 100m/s^2 11ms stability: 10m/s^2 11ms
Vibration resistance	10Hz~55Hz double amplitude 1.5mm
Terminals strength	5N
Solderability	$260^\circ\text{C} \pm 5^\circ\text{C}$ $3\text{s} \pm 0.5\text{s}$
Ambient Temperature	$-40^\circ\text{C} \sim 85^\circ\text{C}$
Relative Humidity	85% (40) $^\circ\text{C}$
Mass	10g

Dimensions

unit: mm



Wiring diagram(Bottom view)

Reference Data

