

TC19F (4078)

21.0 × 10.0 × 12.0

Features

- Small size, light weight.
- Low coil power consumption.
- PC board mounting.
- Suitable for household electrical appliances, automation system, electronic equipment, instrument, meter, telecommunication facilities and remote control facilities.

Ordering Information

TC19F **S** **2** **12** **C**
1 2 3 4 5

1 Part number: TC19F(4078)

3 Number of contact groups: 2: Two 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:3,4,5,5,6,12,24,48

Contact Data

Contact Arrangement	2A(2H) (SPSTNO) 2B(2D)(SPSTNC) 2C(2Z)(SPDT(B-M))
Contact Rating (resistive)	3A/28VDC,2A/30VDC,0.5A,1A/125VAC,24VDC
Max. Switching Power	84W 125VA
Max. Switching Voltage	30VDC 220VAC Max.Switching Current:3A
Contact Resistance or Voltage drop	≤ 50m Ω
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 4.5 5 6 12 24	3.9 5.9 6.5 7.8 15.6 31.2	60 135 166.7 240 960 3840	2.25 3.15 3.50 4.20 8.40 18.0	0.3 0.45 0.5 0.6 1.2 2.4	0.15	<6	<5
3 4.5 5 6 9 12 24	3.9 5.9 6.5 7.8 11.7 15.6 31.2	45 101 125 180 405 720 2880	2.25 3.15 3.50 4.20 6.75 8.40 18.0	0.3 0.45 0.5 0.6 0.9 1.2 2.4	0.20	<6	<5
3 4.5 5 6 12 24	3.9 5.9 6.5 7.8 15.6 31.2	25 56 70 100 400 1600	2.25 3.15 3.50 4.20 8.40 18.0	0.3 0.45 0.5 0.6 1.2 2.4	0.36	<6	<5
3 4.5 5 6 12 24 48	3.9 5.9 6.5 7.8 15.6 31.2 62.4	17.6 39.7 49 70.6 282.4 1129.4 4517.6	2.25 3.15 3.50 4.20 8.40 18.0 36.0	0.3 0.45 0.5 0.6 1.2 2.4 4.8	0.51	<6	<5

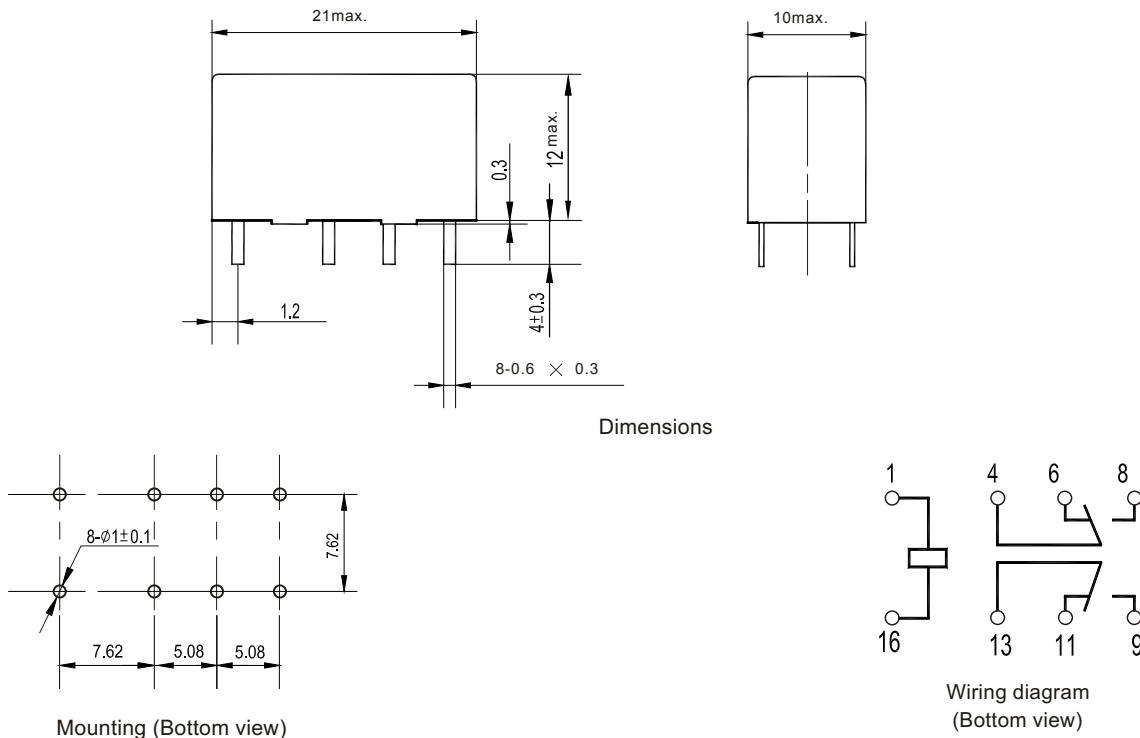
CAUTION: 1.The use of any coil voltage greater than the rated coil voltage will compromise the operation of the relay.
2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Operation condition

Insulation Resistance	1000M min (at 500VDC)
Dielectric Strength Between contacts Between contact and coil	50Hz500V 50Hz 1000V
Shock resistance	strength: 500m/s^2 11ms
	stability: 10m/s^2 11ms
Vibration resistance	10Hz~70Hz double amplitude 1.5mm
Terminals strength	5N
Solderability	$235\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$ $3\text{s} \pm 0.5\text{s}$
Ambient Temperature	$-30\text{ }^{\circ}\text{C} \sim 70\text{ }^{\circ}\text{C}$
Relative Humidity	85% (40) $^{\circ}\text{C}$
Mass	5g

Dimensions

unit: mm



Reference Data

