21×10×12

N4078(JRC-19F)

R50126375 E158859

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

N4078	2C	3V	0.2
1	2	3	4

1 Part number: N4078(JRC-19F)
2 Contact arrangement: 2A:2A; 2C:2C;
3 Coil rated voltage(V): DC:3,4.5,5,6,12,24,48,
4 Coil power consumption: 0.15:0.15W; 0.2:0.2W; 0.36:0.36W; 0.51:0.51W

Contact Data

Contact Arrangement		2A(DPSTNO) 2C (DPDT (B-M))	
Contact Material		Ag,AgNi(Au clad)	
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		⩽50mΩ	Item 4.12 of IEC 61810-7
Operational life	Electrical	10^5	Item 4.30 of IEC 61810-7
	Mechanical	10^7	Item 4.31 of IEC 61810-7

CAUTION: 1.For the intermediate current, it only applies to the room temperature.
2.For gold plated version, the min. Switching current and min. switching voltage is 50mA/6VDC; for non gold plated version (standard type),the min. switching current and min. switching voltage is 100mA/6VDC.

Coil Parameter

Dash numbers	Coil voltage VDC Rated	Coil voltage VDC Max	Coil resistance Ω±10%	Pick up voltage VDC (max) (70% of rated voltage)	Release voltage VDC (min) (10% ofrated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
003-150	3	3.9	60	2.25	0.3	0.15	⩽6	⩽5
004-150	4.5	5.9	135	3.15	0.45			
005-150	5	6.5	166.7	3.50	0.5			
006-150	6	7.8	240	4.20	0.6			
012-150	12	15.6	960	8.40	1.2			
024-150	24	31.2	3840	18.0	2.4			
003-200	3	3.9	45	2.25	0.3	0.20	⩽6	⩽5
004-200	4.5	5.9	101	3.15	0.45			
005-200	5	6.5	125	3.50	0.5			
006-200	6	7.8	180	4.20	0.6			
009-200	9	11.7	405	6.75	0.9			
012-200	12	15.6	720	8.40	1.2			
024-200	24	31.2	2880	18.0	2.4			
003-360	3	3.9	25	2.25	0.3	0.36	⩽6	⩽5
004-360	4.5	5.9	56	3.15	0.45			
005-360	5	6.5	70	3.50	0.5			
006-360	6	7.8	100	4.20	0.6			
012-360	12	15.6	400	8.40	1.2			
024-360	24	31.2	1600	18.0	2.4			
003-510	3	3.9	17.6	2.25	0.3	0.51	⩽6	⩽5
004-510	4.5	5.9	39.7	3.15	0.45			
005-510	5	6.5	49	3.50	0.5			
006-510	6	7.8	70.6	4.20	0.6			
012-510	12	15.6	282.4	8.40	1.2			
024-510	24	31.2	1129.4	18.0	2.4			
048-510	48	62.4	4517.6	36.0	4.8			

CAUTION: 1.The use of any coil voltage less 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

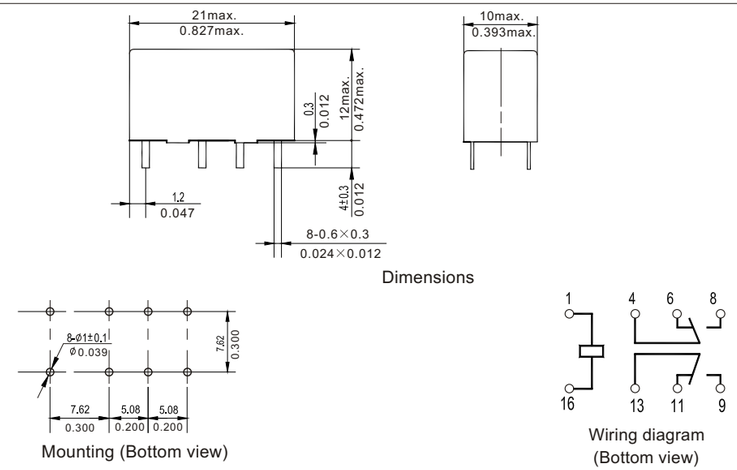
Insulation Resistance	1000MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength Between contacts Between contact and coil	 50Hz 500V 50Hz 1000V	 Item 6 of IEC 60255-5 Item 6 of IEC 60255-5
Shock resistance	500m/s² 11ms	IEC 68-2-27 Test Ea
Vibration resistance	10Hz~70Hz double amplitude 1.5mm	IEC 68-2-6 Test Fc
Terminals strength	5N	IEC 68-2-21 Test Ua1
Solderability	235℃±2℃ 3s±0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-30℃~70℃	
Relative Humidity	85% (at 40℃)	IEC 68-2-3 Test Ca
Mass	5g	

Safety approvals

Safety approval	UL & CUR	TUV
Load	2A/30VDC,1A/125VAC,1A/24VDC	1A/125VAC;24VDC

Dimensions

mm /inch



NOTES 1).Dimensions are in millimeters.
2).Inch equivalents are given for general information only.

Reference Data