

21×10×12

N4078(JRC-19F)



R50126375



US 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

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω ± 10%	Pick up voltage VDC (max) (70% of rated voltage)	Release voltage VDC (min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max						
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

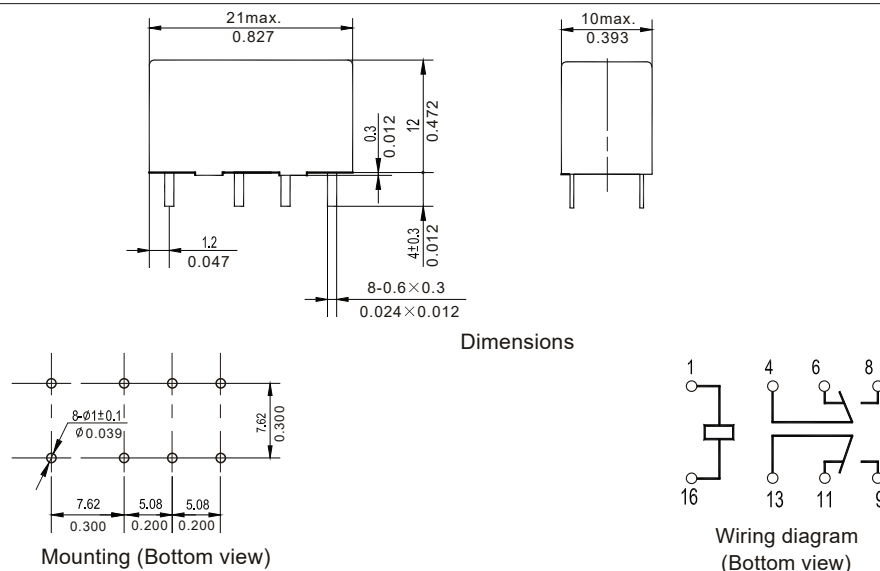
Insulation Resistance	1000M Ω min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength	50Hz 500V	Item 6 of IEC 60255-5
Between contacts	50Hz 1000V	Item 6 of IEC 60255-5
Between contact and coil		
Shock resistance	500m/s ² 11ms	IEC 68-2-27 Test Ea
Vibration resistance	10~70Hz double amplitude 1.5mm	IEC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

Safety approvals

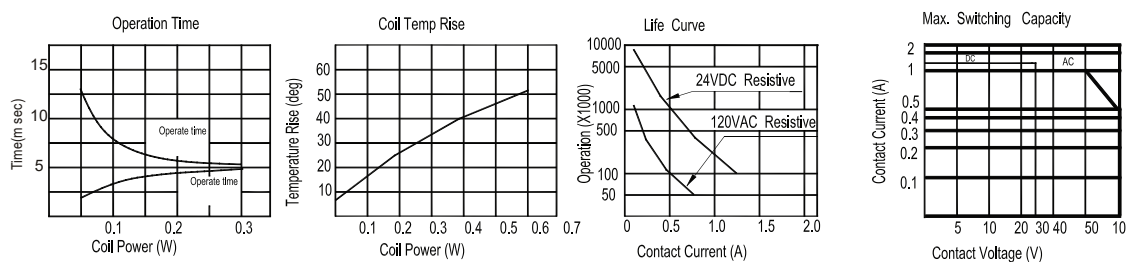
Safety approval	UL & CUR	TÜV
Load	2A/28VDC, 2A/30VDC, 1A/125VAC, 1A/24VDC	1A/125VAC; 24VDC

Dimensions

mm /inch



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

Reference Data

FORWARD RELAYS

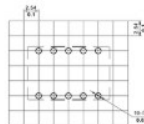
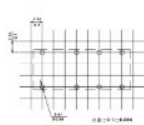
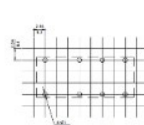
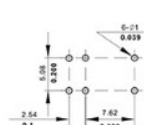
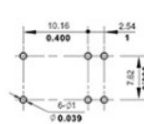
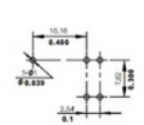
- ▶ EXPERIENCE
- ▶ RESPONSIBLY
- ▶ GLOBALLY
- ▶ PROFESSIONALLY



Signal Relays

Product Category

- Signal Relays
- Industrial Relays
- General-purpose Relays
- Automotive Relays
- Latching Relays

Type	Dimension(mm)	Max.Switching Current	Contact Arrangement	Contact Rating	Layout (Bottom view)	PDF Download
P	 14×9×5	2A	2C	1A,2A/30VDC 0.5A/125VAC		
M1B	 20×10×11	2A	2C	1A/24VDC 0.5A/120VAC		
M1BS	 20×10×11	2A	2C	2A/30VDC 0.6A/125VAC		
JRC-23F	 12.5×7.5×10	1A	1C	0.5A/125VAC 1A/30VDC 0.3A/60VDC		
N4100	 15.5×11×11.5	5A	1C	1A,2A,3A,5A/125VAC,30VDC 5A/14VDC		
N4100F-2	 15.5×11×11.5	5A	1C	1A,2A,3A,5A/125VAC,30VDC 5A/14VDC 2A/250VAC		
N4078	 21×10×12	3A	2C	2A/30VDC 1A/125VAC	