



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 412 of IEC 61810-7
Operational life	Electrical 10 <sup>5</sup> Item 4.30 of IEC 61810-7
	Mechanical 10 <sup>7</sup> 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	0.20	<6	<5			
024-150	24	31.2	3840	18.0	2.4						
003-200	3	3.9	45	2.25	0.3				0.36	<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	0.51	<6	<5			
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				0.15	<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	0.20	<6	<5			
024-360	24	31.2	1600	18.0	2.4						
003-510	3	3.9	17.6	2.25	0.3				0.36	<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	0.51	<6	<5			
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	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 <sup>2</sup> 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°C ± 2°C 3 ± 0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-30~70°C	
Relative Humidity	85% (at 40°C)	IEC 68-2-3 Test Ca
Mass	5g	

### Safety approvals

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

### Dimensions

mm /inch

Dimensions

Wiring diagram (Bottom view)

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

### Reference Data

