

# JRC-19F (4078)



21 × 10 × 12

R2133344 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

**JRC-19F 2C 3V 0.2**

1 2 3 4

1 Part number: JRC-19F(4078)  
 2 Contact arrangement: 2A:2A; 2C:2C;  
 3 Coil rated voltage(V): DC:3,4,5,6,12,24,48,  
 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 clod)
Contact Rating (resistive)	2A/28VDC,0.5A,1A/125VAC,30VDC
Max. Switching Power	48W 60VA
Max. Switching Voltage	30VDC 220VAC
Contact Resistance or Voltage drop	<.50mΩ Item 3.12 of IEC255-7
Operational life	Electrical 10 <sup>7</sup> Item 3.30 of IEC255-7
	Mechanical 10 <sup>7</sup> Item 3.31 of IEC255-7

## 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	70.8	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 IEC255-5
Dielectric Strength	Between contacts	50Hz 500V
	Between contact and coil	50Hz 1000V
Shock resistance	500m/s <sup>2</sup> 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~70Hz double amplitude 1.5mm	IEC68-2-8 Test Fc
Terminals strength	5N	IEC68-2-21 Test Ua1
Solderability	235°C ± 2°C 3 ± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-30~70°C	
Relative Humidity	85% (at 40°C)	IEC68-2-3Test Ca
Mass	5g	

## Qualification inspection:

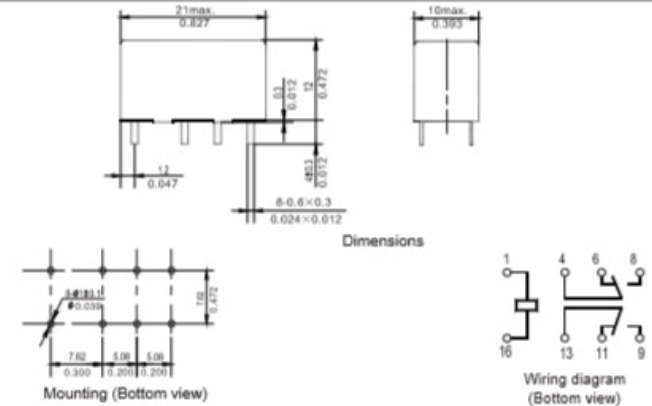
Perform the qualification test as specified in the table IV of IEC255-19-1 and minimum sample size 24.

## Safety approvals

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

## Dimensions

mm /inch



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

## Reference Data

