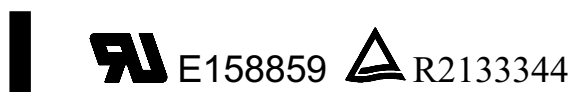


# JRC-19F (4078)



21×10×12



## Features

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

## Contact Data

Contact Arrangement	2A, 2C
Contact Material	Ag Ag·Pd(Au clad)
Contact Rating (resistive)	2A/24VDC; 0.5A, 1A/125VAC, 30VDC ;
Max. Switching Power	48W 60VA
Max. Switching Voltage	24VDC 220VAC
Contact Resistance or Voltage drop	≤50mΩ
Operation life	Electrical 10 <sup>5</sup>
	Mechanical 10 <sup>7</sup>

Max. Switching Current:2A  
Item 3.12 of IEC255-7  
Item 3.30 of IEC255-7  
Item 3.31 of IEC255-7

## Coil Parameter

Coil voltage VDC		Coil resistance Ω±10%				Pickup 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	3.9	60	45	25	17.6	2.25	0.3	0.15/0.2/ 0.36/0.51	≤6	≤5
4.5	5.9	135	101	56	39.7	3.15	0.45			
5	6.5	166.7	125	70	49	3.50	0.5			
6	7.8	240	180	100	70.6	4.20	0.6			
12	15.6	960	720	400	282.4	8.40	1.2			
24	31.2	3840	2880	1600	1129.4	18.0	2.4			
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	Item 6 of IEC255-5
Between contact and coil	50Hz 1000V	Item 6 of IEC255-5
Shock resistance	500m/s <sup>2</sup> 11ms	IEC68-2-27 Test Ea method 1
Vibration resistance	10~70Hz double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	5N	IEC68-2-21 Test Ua1
Solderability	230℃ ±2℃ 10 ±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-30~70℃	
Relative Humidity	85% (at 40℃)	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.

Ordering Information			
<b>JRC-19F</b>	<b>2C</b>	<b>3V</b>	<b>0.2</b>
Coil power consumption: 0.15W, 0.2W, 0.36W, 0.51W			
Coil rated DC Voltage 3V, 4.5V, 5V, 6V, 12V, 24V, 48V			
Contact Arrangement: 2A: 2A, 2C: 2C			
Part number: JRC-19F			

Dimensions (Unit: mm)		mm	inch
<p>Dimensions</p>	Mounting (Bottom views)	0.25	0.010
	<p>Wiring diagram (Bottom views)</p>	0.3	0.012
		0.6	0.024
	1.0	0.039	
	1.2	0.047	
	4.0	0.157	
	5.08	0.200	
	7.62	0.300	
	10	0.394	
	12	0.472	
21	0.827		

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

Reference Data			
<p>Operation Time</p>	<p>Coil Temp Rise</p>	<p>Life Curve</p>	<p>Max. Switching Capacity</p>