



21×10×12

# JRC-19F (4078)

 R2133344  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**

**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:3,4.5,5.6,12,24,48,  
 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	Max.Switching Current:2A
Contact Resistance or Voltage drop	<50mΩ	Item 3.12 of IEC255-7
Operational life	Electrical	10 <sup>5</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						
003-150 004-150 005-150 006-150 012-150 024-150	3 4.5 5 6 12 24	3.9 5.9 6.5 7.8 15.6 31.2	60 135 166.7 240 960 3840	2.25 3.15 3.50 4.20 8.40 18.0	0.3 0.45 0.5 0.6 1.2 2.4	0.15	<6	<5
003-200 004-200 005-200 006-200 009-200 012-200 024-200	3 4.5 5 6 9 12 24	3.9 5.9 6.5 7.8 11.7 15.6 31.2	45 101 125 180 405 720 2880	2.25 3.15 3.50 4.20 6.75 8.40 18.0	0.3 0.45 0.5 0.6 0.9 1.2 2.4	0.20	<6	<5
003-360 004-360 005-360 006-360 012-360 024-360	3 4.5 5 6 12 24	3.9 5.9 6.5 7.8 15.6 31.2	25 56 70 100 400 1600	2.25 3.15 3.50 4.20 8.40 18.0	0.3 0.45 0.5 0.6 1.2 2.4	0.36	<6	<5
003-510 004-510 005-510 006-510 012-510 024-510 048-510	3 4.5 5 6 12 24 48	3.9 5.9 6.5 7.8 15.6 31.2 62.4	17.6 39.7 49 70.6 282.4 1129.4 4517.6	2.25 3.15 3.50 4.20 8.40 18.0 36.0	0.3 0.45 0.5 0.6 1.2 2.4 4.8	0.51	<6	<5

**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 Between contact and coil	50Hz 500V 50Hz 1000V	Item 6 of IEC255-5 Item 6 of IEC255-5
Shock resistance	500m/s <sup>2</sup> 11ms	IEC68-2-27 Test Ea
Vibration resistance	10~70Hz double amplitude 1.5mm	IEC68-2-6 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:

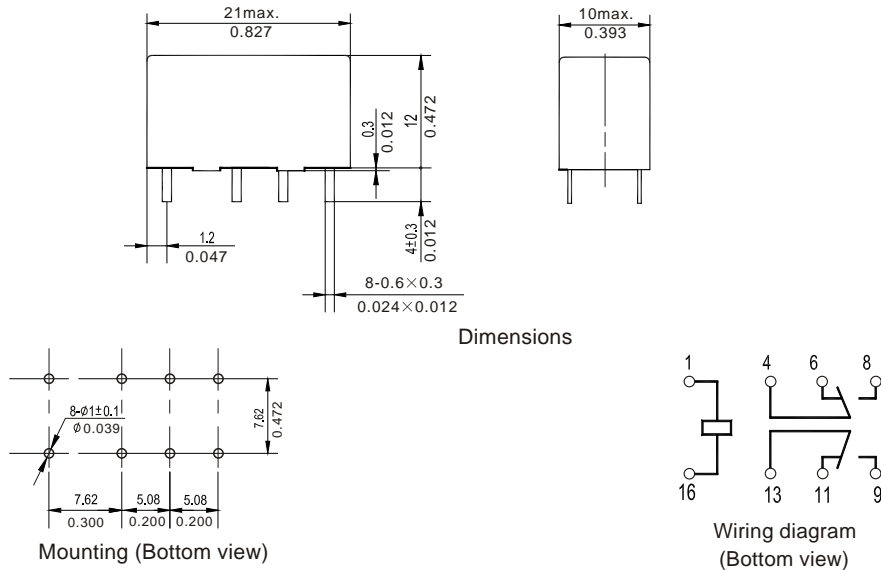
Perform the qualification test as specified in the table IV of IEC255-19-1 and minimum sample size 24.

## Safety approvals

Safety approval	UL & CUR	TÜ V
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

