

# J Z C - 3 3 F



20.5×10.6×15.6



CH0054069-2000



R2133923



on Pending

## Features

- 5A, 10A switching capabilities.
- Subminiature, standard PC layout.
- Sealed & Unsealed types available.

## Contact Data

Contact Arrangement	1A, 1C	
Contact Material	Ag Silver Alloy	
Contact Rating (resistive)	1A:5A/250VAC,30VDC; 10A/125VAC 1C:NO:5A/250VAC, 30VDC;10A/125VAC NC:3A,5A/250VAC,30VDC	
Max. Switching Power	150W	1250VA
Max. Switching Voltage	30VDC	277VAC
Contact Resistance or Voltage drop	≤100mΩ (1A/24VDC)	Max. Switching Current:10A
Operation life	Electrical	10 <sup>5</sup> Item 3.12 of IEC255-7
	Mechanical	10 <sup>7</sup> 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) (5% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
Rated	Max.							
3	3.3	45	20	2.25	0.15	0.20/0.45	≤8	≤5
5	5.5	125	56	3.75	0.25			
6	6.6	180	80	4.50	0.20			
9	9.9	405	180	6.75	0.45			
12	13.2	720	320	9.00	0.60			
18	19.8	1620	720	13.5	0.90			
24	26.4	2880	1280	18.0	1.20			

**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 1000V	Item 6 of IEC255-5
Between contact and coil	50Hz 4000V	Item 6 of IEC255-5
Shock resistance	100m/s <sup>2</sup> 11ms	IEC68-2-27 Test Ea method 1
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	10N	IEC68-2-21 Test Ua1
Solderability	230℃ ±2℃ 10 ±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~70℃	
Relative Humidity	95% (at 35℃)	IEC68-2-3Test Ca
Mass	7g	

## Qualification inspection:

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

Ordering Information					
<b>JZC-33F</b>	<b>A</b>	<b>S</b>	<b>5</b>	<b>DC12V</b>	<b>0.2</b>
					Coil power consumption: 0.2: 0.2W, 0.45: 0.45W
					Coil rated DC Voltage 3V, 5V, 6V, 9V, 12V, 18V, 24V
					Contact current 3A, 5A, 10A
					S: Sealed type, Z: Dust Cover
					Contact Arrangement: A: 1A, C: 1C
					Part number: JZC-33F

Dimensions (Unit: mm)					
				mm	inch
				0.3	0.012
				0.4	0.016
				0.8	0.031
				1.3	0.051
				1.45	0.057
				2.54	0.100
				3.8	0.150
				7.62	0.300
				10.16	0.400
				10.6	0.417
				15.6	0.614
				20.5	0.807
		Mounting (Bottom views)			
Dimensions	1C				
	1A				
		Wiring diagram (Bottom views)			

NOTES 1).Dimensions are in millimeter.

2).Inch equivalents are given for general information only.