

# J Z C - 3 3 F



20.5×10.6×15.6



CH0054069-2000



R2133923



E160644

## Features

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

## Ordering Information

**JZC-33F**   **C**   **S**   **10**   **DC12V**   **0.2**  
 1            2            3            4            5            6

1 Part number: JZC-33F

2 Contact arrangement: A:1A, C:1C

3 Enclosure: S: Sealed type, Z: Dust cover

4 Contact Current: 3A, 5A, 10A

5 Coil rated Voltage(V): DC:3,5,6,9,12,18,24

6 Coil power consumption: 0.2:0.2W, 0.45:0.45W

## Contact Data

Contact Arrangement

Contact Material

Contact Rating (resistive)

1A (SPSTNO), 1C (SPDT(B-M))

Ag Silver Alloy

1A:5A/250VAC,30VDC; 10A/125VAC

1C:NO:5A/250VAC, 30VDC;10A/125VAC

NC:3A,5A/250VAC,30VDC

Motor load : 1/4HP 250VAC

Lamp load : TV-5

Max. Switching Power

Max. Switching Voltage

Contact Resistance or Voltage drop

Operator life

Electrical

Mechanical

150W 1250VA

30VDC 277VAC

≤100mΩ (1A/24VDC)

10<sup>5</sup>

10<sup>7</sup>

Max. Switching Current:10A

Item 3.12 of IEC255-7

Item 3.30 of IEC255-7

Item 3.31 of IEC255-7

## Coil Parameter

Dash numbers	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.						
003-200	3	3.3	45	2.25	0.15	0.20	≤8	≤5
005-200	5	5.5	125	3.75	0.25			
006-200	6	6.6	180	4.50	0.30			
009-200	9	9.9	405	6.75	0.45			
012-200	12	13.2	720	9.00	0.60			
018-200	18	19.8	1620	13.5	0.90			
024-200	24	26.4	2880	18.0	1.20	0.45	≤8	≤5
003-450	3	3.3	20	2.25	0.15			
005-450	5	5.5	56	3.75	0.25			
006-450	6	6.6	80	4.50	0.30			
009-450	9	9.9	180	6.75	0.45			
012-450	12	13.2	320	9.00	0.60			
018-450	18	19.8	720	13.5	0.90	1.20		
024-450	24	26.4	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	1000M $\Omega$ 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
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	10N	IEC68-2-21 Test Ua1
Solderability	235 $\pm$ 2 $\square$ 3 $\pm$ 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~70 $\square$	
Relative Humidity	95% (at 35 $\square$ )	IEC68-2-3 Test Ca
Mass	7g	

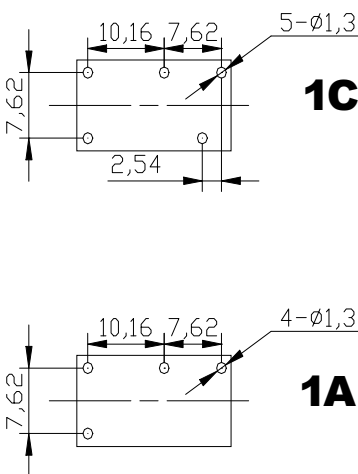
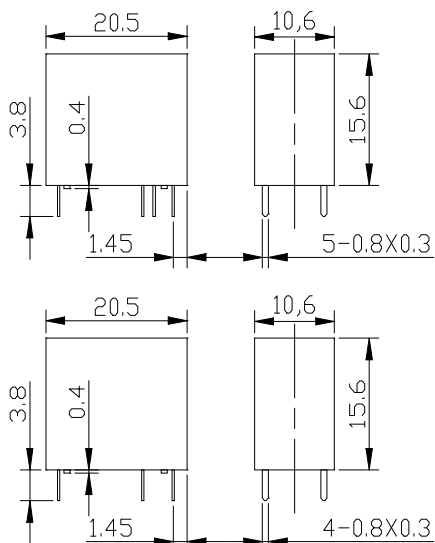
**Qualification inspection:**

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

**Safety approvals**

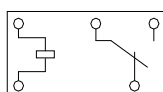
Safety approval	UL	TÜV	CCEE
Load	10A/125VAC 5A/250VAC 1/4HP 250VAC TV-5	5A/220VAC,28VDC	5A/220VAC

**Dimensions (Unit: mm)**

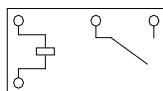


mm	inch
0.3	0.012
0.4	0.016
0.8	0.031
1.3	0.051
1.45	0.057
2.54	0.100
3.8	0.150
7.62	0.300
10.16	0.400
10.6	0.417
15.6	0.614
20.5	0.807

Mounting (Bottom views)



1C



1A

Wiring diagram  
(Bottom views)

NOTES 1).Dimensions are in millimeter.

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