



20.5×10.6×15.6

# JZC-33F

 R50126380
  US E174722

## Features

- 5A、10A switching capabilities.
- Subminiature, standard PC layout.

## Ordering Information

**JZC-33F C Z 10 DC12V 0.45**

1      2   3   4      5      6

1 Part number: JZC-33F	4 Contact current: 5A, 10A
2 Contact arrangement: A:1A; C:1C	5 Coil rated voltage(V): DC:3,5,6,9,12,18,24
3 Enclosure: Z:Flux proof	6 Coil power: 0.2:0.2W; 0.45:0.45W

## Contact Data

Contact Arrangement	1A (SPSTNO) 1C (SPDT (B-M))		
Contact Material	Ag Alloy		
Contact Rating(Resistive)	5A/250VAC,28VDC;10A/125VAC;4.2A/277VAC Motor load:1/4HP 277VAC,250VAC,240VAV,120VAC TV-5 120VAC		
Max. Switching Power	150W	1250VA	
Max. Switching Voltage	30VDC	277VAC	Max.Switching Current:10A
Contact Resistance	≤100mΩ		Item 4.12 of IEC 61810-7
Operational Life	Electrical	1×10 <sup>5</sup>	Item 4.30 of IEC 61810-7
	Mechanical	1×10 <sup>7</sup>	Item 4.31 of IEC 61810-7

**CAUTION:** 1.For the intermediate current, it only applies to the room temperature.

## Coil Parameter

Dash numbers	Rated voltage VDC		Coil resistance Ω ± 10%	Pick-up voltage V(max) J75%of rated VoltageJ	Drop-out voltage VDC(min) J5%of rated VoltageJ	Coil power 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			
003-450	3	3.3	20	2.25	0.15	0.45	≤8	≤5
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			
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.

### Characteristics

Insulation Resistance	100MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength		
Between Contacts	50Hz 1000V	Item 4.9 of IEC 61810-7
Between Contact and Coil	50Hz 4000V	Item 4.9 of IEC 61810-7
Shock Resistance	98m/s <sup>2</sup> 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7
Terminals Strength	5N	Item 4.24 of IEC 61810-7
Ambient Temperature	-40℃~70℃	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Mass	7g	Item 4.7 of IEC 61810-7

### Safety Approvals

Safety approval	UL & CUR	TUV
Load	10A/125VAC 5A/250VAC 4.2A/277VAC TV-5 120VAC 1/4HP/277VAC 250VAC 240VAC 120VAC	5A/250VAC,28VDC

### Dimensions mm

**Dimensions**

**Mounting (Bottom view)**

**Wiring diagram (Bottom view)**

**CAUTION:** In case of no tolerance shown in outline dimension: outline dimension ≤ 1mm, tolerance should be ±0.2mm ;  
outline dimension > 1mm and ≤ 5mm, tolerance should be ±0.3mm; outline dimension > 5mm, tolerance should be ±0.4mm.