



20.5×10.6×15.6

JZC-33F

UL E160644 R50126380

CEC 13002098873

Features

- 5A,10A switching capability.
- Dielectric strength of 4000 V between coil and contacts.
- Small size, light weight, suitable for dense installation.

Ordering Information

JZC-33F C Z 10 DC12V 0.45

1 2 3 4 5 6

1 Part number: JZC-33F	4 Contact current: 05:5A; 10:10A
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	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
Electrical Endurance	1×10 ⁵ Item 4.30 of IEC 61810-7
Mechanical Endurance	1×10 ⁷ Item 4.31 of IEC 61810-7

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω ± 10%	Pick-up voltage VDC(max) (75%of rated Voltage)	Drop-out voltage VDC(min) (5%of rated Voltage)	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			

Notes: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2. Pick-up and drop-out voltage are for test purposes only and are not to be used as design criteria.

Characteristics

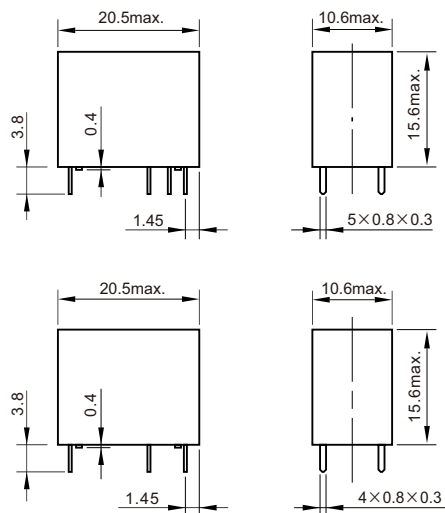
Insulation Resistance	100MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Contacts Between Contact and Coil	1000VAC 1min 4000VAC 1min	Item 4.9 of IEC 61810-7
Shock Resistance	98m/s ² 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.5mm	Item 4.28 of 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
Weight (Approx.)	7g	Item 4.7 of IEC 61810-7

Safety Approvals

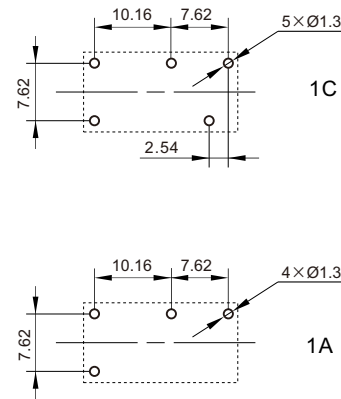
Safety approval	UL & CUR	TüV	CQC
Load	10A/125VAC 5A/250VAC 4.2A/277VAC TV-5 120VAC ¼HP/277VAC, 250VAC, 240VAC, 120VAC	5A/250VAC, 28VDC	5A/250VAC

Dimensions

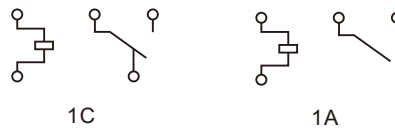
mm



Dimensions



Mounting (Bottom view)



Wiring diagram
(Bottom view)

Remark: 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.