



20.5×10.6×15.6

JZC-33F

 R50126380  E174722

Features

- 5A,10A switching capability.
- Dielectric strength of 4000V between coil and contact.
- 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 rating: 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(1A); 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

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.						
3	3.3	45	2.25	0.15	0.20	≤8	≤5
5	5.5	125	3.75	0.25			
6	6.6	180	4.50	0.30			
9	9.9	405	6.75	0.45			
12	13.2	720	9.00	0.60			
18	19.8	1620	13.5	0.90			
24	26.4	2880	18.0	1.20	0.45	≤8	≤5
3	3.3	20	2.25	0.15			
5	5.5	56	3.75	0.25			
6	6.6	80	4.50	0.30			
9	9.9	180	6.75	0.45			
12	13.2	320	9.00	0.60			
18	19.8	720	13.5	0.90			
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

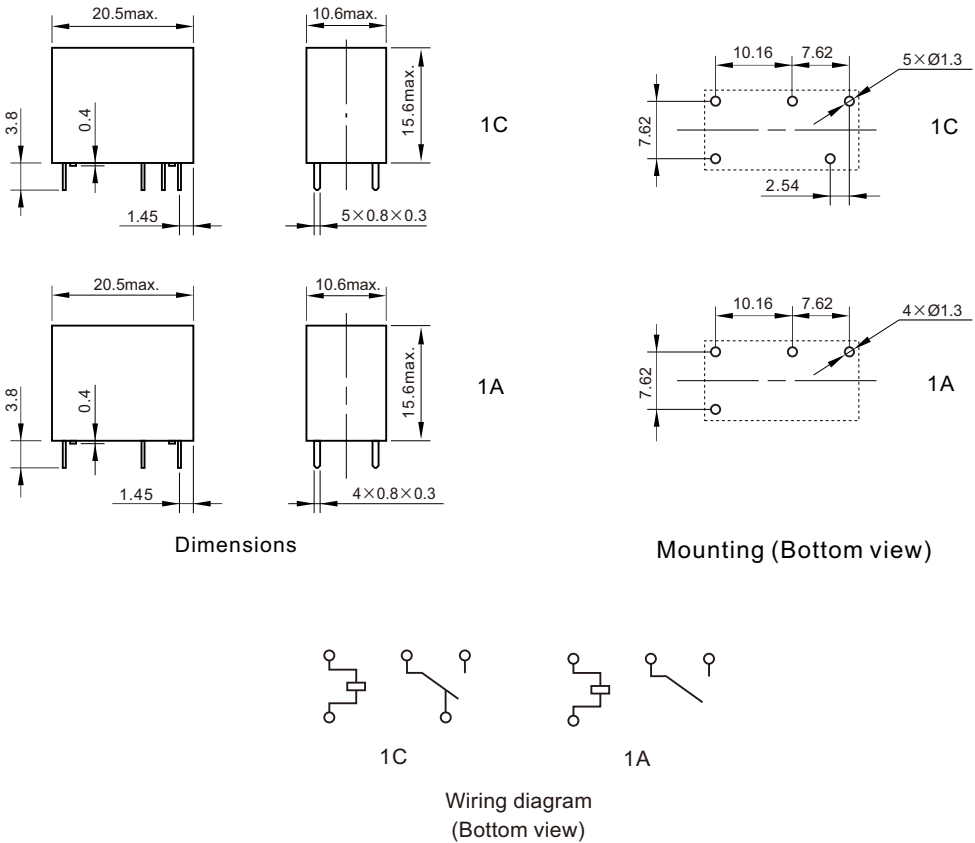
Insulation Resistance	100MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength	1000VAC 1min	Item 4.9 of IEC 61810-7
Between Open Contacts	4000VAC 1min	
Between Contact and Coil		
Shock Resistance	98m/s ² 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.5mm	Item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



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.