

JZC-32F



(JZC-32FL)

18.8×10.6×15.3 18.8×10.6×12.0

03001003511 on Pending

R50016343 US E160644

Features

- 5A、10A switching capabilities.
- SPSTNO and SPDT(B-M) configurations.
- Subminiature, standard PC layout.
- Sealed & Unsealed types available.

Ordering Information

JZC-32F C S 10 DC12V 0.2 1

1 2 3 4 5 6 7

1 Part number: JZC-32F;JZC-32FL
 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
 7 Terminal: 1:1type;2: 2type NIL:standard

Contact Data

Contact Arrangement	1A (SPSTNO) 1C (SPDT (B-M))
Contact Material	Silver Alloy
Contact Rating (resistive)	1A(0.2W):3A/250VAC,30VDC;1A(0.45W):5A/250VAC,30VDC;10A/125VAC 1C:3A,5A/250VAC,30VDC Motor load:1/4HP 250VAC Lamp load:TV-5
Max. Switching Power	150W 1250VA
Max. Switching Voltage	30VDC 277VAC Max.Switching Current:10A
Contact Resistance or Voltage drop	<100mΩ Item 3.12 of IEC255-7
Operational life	Electrical 10 ⁵ Item 3.30 of IEC255-7
	Mechanical 10 ⁷ Item 3.31 of IEC255-7

Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance Ω ±10%	Pick up 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	3.9	45	2.25	0.15	0.20	<8	<5
005-200	5	6.5	125	3.75	0.25			
006-200	6	7.8	180	4.50	0.30			
009-200	9	11.7	405	6.75	0.45			
012-200	12	15.6	720	9.00	0.60			
018-200	18	23.4	1620	13.5	0.90			
024-200	24	31.2	2880	18.0	1.20			
003-450	3	3.9	20	2.25	0.15	0.45	<8	<5
005-450	5	6.5	56	3.75	0.25			
006-450	6	7.8	80	4.50	0.30			
009-450	9	11.7	180	6.75	0.45			
012-450	12	15.6	320	9.00	0.60			
018-450	18	23.4	720	13.5	0.90			
024-450	24	31.2	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	100MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength		
Between contacts	50Hz 1000V	Item 6 of IEC255-5
Between contact and coil	50Hz 2500V 4000V JZC-32FL5000V	Item 6 of IEC255-5
Shock resistance	100m/s ² 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	230°C ± 2°C 3 ± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~70°C	
Relative Humidity	95% (at 35°C)	IEC68-2-3 Test Ca
Mass	6g	

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

Dimensions	mm /inch		
Standa			
Low Profite2			
Low Profite1			
Dimensions	Mounting (Bottom view)	Wiring diagram (Bottom view)	
<p>NOTES 1).Dimensions are in millimeters. 2).Inch equivalents are given for general information only.</p>			