



20.3×16.8×20.2
JZC-22F



22.5×16.8×20.2
JZC-22F₂

JZC-22F JZC-22F₂



CH0050402—2000



E158859



R9452085

Features

- Small size, light weight .Low coil power consumption.
- Switching capacity can reach 20A.
- PC board mounting.
- Suitable for household electrical appliance, automation system, electronic equipment, instrument and meter application.
- JZC-22FT: TV-5 Remote control TV receivers, monitor display, audio equipment high and rushing current application.

Contact Data

Contact Arrangement	1A, 1B, 1C	
Contact Material	Ag-CdO Ag-SnO ₂	
Contact Rating	resistive:5A,12A,15A,20A/120VAC,28VDC; 3A;6A,7A,10A/220VAC ; inductive:10A/250VAC; 15A/28VDC (rushing current 80A) (JZC-22FT only) lamp:TV-5 note:20A/125VDC,28VDC & 10A/220VAC JZC-22F ₂ only	
Max. Switching Power	420W	1800VA
Max. Switching Voltage	110VDC	380VAC
Contact Resistance & Voltage drop	≤100mΩ	Max. Switching Current:20A rushing current 80A item 3.12 of IEC255-7
Operation life	Electrical	10 ⁵ item 3.30 of IEC255-7
	Mechanical	10 ⁷ item 3.31 of IEC255-7

Coil Parameter

Coil voltage VDC		Coil resistance Ω±10%		Pickup voltage VDC(max) (75%of rated voltage)	release voltage VDC(min) (10% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
Rated	Max.							
3	3.9	25	20	2.25	0.3	0.36/0.45	≤15	≤5
6	7.8	100	80	4.50	0.6			
9	11.7	225	180	6.75	0.9			
12	15.6	400	320	9.00	1.2			
24	31.2	1600	1280	18.0	2.4			
48	62.4	6400	5120	36.0	4.8			

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 750V	Item 6 of IEC255-5
Between contact and coil	50Hz 1500V	Item 6 of IEC255-5
	50Hz 2500V: JZC-22F ₂	Item 6 of IEC255-5
Shock resistance	100m/s ² 11ms	IEC68-2-27 Test Ea method 1
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	10N	IEC68-2-21 Test Ua1
Solderability	230℃ ±2℃ 10 ±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~70℃	
Relative Humidity	85% (at 40℃)	IEC68-2-3Test Ca
Mass	13g . 16g(JZC-22F ₂)	

Qualification inspection:

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

Ordering Information	
JZC-22F S C 5D 12VDC	Coil rated DC Voltage 3V, 6V, 9V, 12V, 24V, 48V
	Coil power consumption: L: 0.36W, D: 0.45W
	Contact Rating 5A, 7A, 12A, 15A/120VAC, 28VDC 3A, 6A, 7A/220VAC; 6A/250VAC (20A/125VAC, 28VDC, 10A/220VAC JZC-22F ₂)
	Contact Arrangement: A: 1A, B: 1B, C: 1C
	S: Sealed type, F: Dust Cover
Part number: JZC-22F, JZC-22FT, JZC-22F ₂	

Dimensions (Unit: mm)		mm	inch
<p>JZC-22F</p> <p>JZC-22F₂</p> <p>Dimensions</p>	<p>1A</p> <p>1B</p> <p>1C</p> <p>Wiring diagram (Bottom views)</p>	0.4	0.016
		0.5	0.020
		0.55	0.022
		1.0	0.039
		1.3	0.051
		2.0	0.079
		2.55	0.100
		3.5	0.138
		4.5	0.177
		6.0	0.236
		12.0	0.472
		12.2	0.480
		16.8	0.661
		20.2	0.795
20.3	0.799		
22.5	0.866		

NOTES 1).Dimensions are in millimeter.
2).Inch equivalents are given for general information only.

