

JZC-22F JZC-22F<sub>2</sub> JZC-22F<sub>3</sub>



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CQC  
E160644  
E158859  
VDE 40001299  
R50067262  
R50019767  
Patent No.: 03129163.5 03231980.0

Features

- Small size, light weight .Low coil power consumption.
  - Switching capacity can reach 20A.
  - High dielectric strength (JZC-22F<sub>3</sub>).
  - PC board mounting.
- Suitable for household electrical appliances, automation system, electronic equipment, instrument and meter application. TV-5, TV-8 Remote control TV receivers, monitor display, audio equipment high and rushing current application.

Ordering Information

JZC-22F S C 5 D DC12V  
1 2 3 4 5 6

1 Part number: JZC-22F JZC-22F<sub>2</sub> JZC-22F<sub>3</sub>  
2 Enclosure: S: Sealed type; F: Dust cover  
3 Contact arrangement: A:1A; B:1B; C:1C  
4 Contact rating: 5A,7A,12A,15A/125VAC 28VDC; 6A,7A/250VAC; 6A/250VAC TV-5; (JZC-22F<sub>2</sub>: 20A/125VAC 28VDC; 10A/250VAC) ; (JZC-22F<sub>3</sub>: 20A/125VAC 28VDC; 16A/277VAC TV-8)  
5 Coil power consumption: L:0.36W; D:0.45W  
6 Coil rated voltage(V): DC:3,6,9,12,24,48

Contact Data

Contact Arrangement	1A (SPSTNO) 1B (SPSTNC) 1C (SPDT(B-M))
Contact Material	AgCdO AgSnO <sub>2</sub>
Contact Rating	resistive:5A,7A,12A,15A,20A/125VAC,28VDC; 3A;6A,7A,10A/220VAC ; inductive:10A/250VAC; 15A/28VDC (rushing current 80A) (JZC-22FT only) Lamp:TV-5,120VAC,240VAC note:1) 20A/125VAC,28VDC & 10A/250VAC TV-10,120VAC 1/4HP 120VAC JZC-22F <sub>2</sub> only 2) 20A/125V,28VDC,16A/277VAC&TV-8 NO:1HP(16A FLA)120VACJZC-22F <sub>3</sub> only
Max. Switching Power	420W 4450VA
Max. Switching Voltage	110VDC 380VAC
Contact Resistance & Voltage drop	≤100mΩ
Operation Life	Electrical 10 <sup>6</sup> Mechanical 10 <sup>7</sup>
	Max. Switching Current:20A rushing current 80A Item 4.12 of IEC 61810-7 Item 4.30 of IEC 61810-7 Item 4.31 of IEC 61810-7

Coil Parameter

Dash numbers	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.						
003-360	3	3.9	25	2.25	0.3	0.36	<15	<5
006-360	6	7.8	100	4.50	0.6			
009-360	9	11.7	225	6.75	0.9			
012-360	12	15.6	400	9.00	1.2			
024-360	24	31.2	1600	18.0	2.4			
048-360	48	62.4	6400	36.0	4.8			
003-450	3	3.9	20	2.25	0.3	0.45	<15	<5
006-450	6	7.8	80	4.50	0.6			
009-450	9	11.7	180	6.75	0.9			
012-450	12	15.6	320	9.00	1.2			
024-450	24	31.2	1280	18.0	2.4			
048-450	48	62.4	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 IEC 61810-5
Dielectric Strength	50Hz 750V (JZC-22F <sub>3</sub> :1000V)	Item 6 of IEC 61810-5
Between contacts	50Hz 1500V 50Hz;JZC-22F <sub>2</sub> : 2500V;	
Between contact and coil	JZC-22F <sub>3</sub> : 2500V Surge Voltage:4000V	Item 6 & Item 8 of IEC 61810-5
Shock resistance	100m/s <sup>2</sup> 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	235°C ± 2°C 3 ± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~85°C (JZC-22F :70°C )	
Relative Humidity	85% (at 40°C)	IEC68-2-3 Test Ca
Mass	13g . 16g(JZC-22F <sub>2</sub> ) 14g(JZC-22F <sub>3</sub> )	

Safety approvals

Safety approval	UL&CUR	VDE	TU V	CQC
Load	15A/125VAC,28VDC TV-5 TV-10(22F <sub>2</sub> ,1A),120VAC 22F <sub>3</sub> :16A/277VAC 20A/125VAC 10A/250VAC TV-8 NO:1HP(16AFLA)125VAC NC:1/2HP(9.8AFLA)125VAC	22F <sub>2</sub> : 10A/250VAC 28VDC	22F:6A/240VAC 10A/250VDC 15A/28VDC 22F <sub>2</sub> : 10A/250VAC	6A/250VAC 22F <sub>3</sub> :7A/250VAC 22F <sub>2</sub> :15A/125VAC

Dimensions

mm /inch

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

Reference Data

