

DB ELECTRO^{CO., LTD.}

Présente / Presents:

NINGBO HUAGUAN ELECTRONICS CO., LTD.



JZC-22F JZC-22F₂ JZC-22F₃



20.3×16.8×20.2
JZC-22F



22.5×16.8×20.2
JZC-22F₂



20.0×16.0×20.3
JZC-22F₃



03001003514
04001010057



40001299



E160644
E158859



R50067262
R50067939

Patent No.: 03129163.5 03231980.0

Features

- Small size, light weight .Low coil power consumption.
- Switching capacity can reach 20A.
- 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-22F₂ JZC-22F₃
2 Enclosure: S: Sealed type; F: Dust cover
3 Contact arrangement: A:1A; B:1B; C:1C

4 Contact rating: 7A,12A,15A/120VAC 28VDC;
6A,7A/250VAC; 6A/250VAC TV-5;
(JZC-22F₂: 20A/125VAC 28VDC; 10A/250VAC) ;
(JZC-22F₃: 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 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:1) 20A/125VAC,28VDC &10A/250VAC JZC-22F ₂ only 2) 20A/125V,28VDC,16A/277VAC&TV-8 JZC-22F ₃ only
Max. Switching Power	420W 1800VA
Max. Switching Voltage	110VDC 380VAC Max. Switching Current:20A rushing current 80A
Contact Resistance & Voltage drop	<100mΩ item 3.12 of IEC255-7
Operation	Electrical 10 ⁵ item 3.30 of IEC255-7
Life	Mechanical 10 ⁷ item 3.31 of IEC255-7

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.

JZC-22F JZC-22F₂ JZC-22F₃

Operation condition

Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength Between contacts Between contact and coil	50Hz 750V (JZC-22F ₃ :1000V) 50Hz 1500V 50Hz;JZC-22F ₂ : 2500V; JZC-22F ₃ : 2500V Surge Voltage:4000V	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	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)	IEC68-2-3Test Ca
Mass	13g . 16g(JZC-22F ₂) 14g(JZC-22F ₃)	

Qualification inspection:

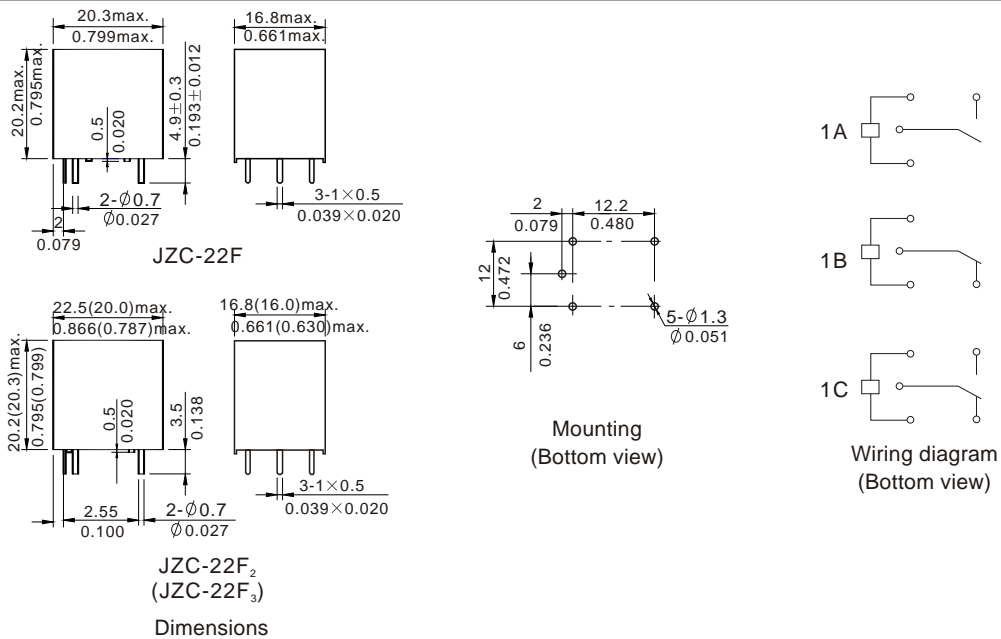
Perform the qualification test as specified in the table IV of IEC255-19-1 and minimum sample size 24.

Safety approvals

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

Dimensions

mm /inch



NOTES 1).Dimensions are in millimeters.

2).Inch equivalents are given for general information only.

Reference Data

