



21.3×16.2×20.8

# JZC-22F<sub>4</sub>

c  us E174722

## Features

- Small size, light weight , low coil power consumption.
- Switching capacity can reach 32A/277VAC.
- High dielectric strength.
- Contact gap  $\geq 2.1$ mm.
- PC board mounting is available.
- Power relay with high reliability , suitable for photovoltaic system (PV inverter), motor control, compressor control and home appliance application.

## Ordering Information

**JZC-22F<sub>4</sub>**   **F**   **A**   **32**   **T**   **DC12V**   **F**  
 1                      2                      3                      4                      5                      6                      7

1 Part number: JZC-22F<sub>4</sub>  
 2 Enclosure: F: Flux proof relay  
 3 Contact arrangement: A:1A

4 Contact rating: 32A/277VAC  
 5 Coil power consumption: T:2.8W  
 6 Coil rated voltage(V): DC:9,12,24  
 7 Resist heat class: NIL: Standard ;F:155°C

## Contact Data

Contact Arrangement	1A (SPSTNO)		
Contact Material	AgSnO <sub>2</sub>		
Contact Rating	32A/277VAC		
Max. Switching Power	8864VA		
Max. Switching Voltage	400VAC	Max. Switching Current:32A	
Contact Resistance	$\leq 100$ m $\Omega$	Item 4.12 of IEC 61810-7	
Operation Life	Electrical	10 <sup>4</sup>	Item 4.30 of IEC 61810-7
	Mechanical	5×10 <sup>5</sup>	Item 4.31 of IEC 61810-7

**CAUTION:** 1.For the intermediate current, it only applies to the room temperature.

## Coil Parameter

Dash numbers	Coil voltage VDC		Coil resistance $\Omega \pm 10\%$	Pickup 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.						
009-2800	9	11.7	28.9	6.75	0.45	2.8	$\leq 15$	$\leq 10$
012-2800	12	15.6	51.4	9.00	0.6			
024-2800	24	31.2	205.7	18.0	1.2			

- 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.  
 3.Coil holding voltage is 36% of nominal voltage after applying nominal voltage for 200 ms.

## Operation condition

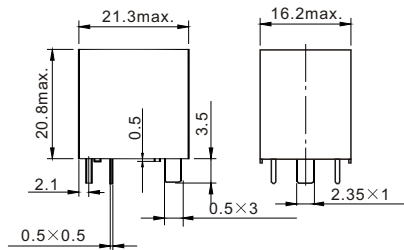
Insulation Resistance	100M $\Omega$ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength		
Between contacts	50/60Hz 2000V 1min	Item 4.9 of IEC 61810-7
Between contact and coil	50/60Hz 4000V 1min	Item 4.9 of IEC 61810-7
Shock resistance	Operating extremes: 10G	Item 4.26 of IEC 61810-7
	Damage limits: 100G	
Vibration resistance	Operating extremes: 10Hz~55Hz double amplitude 1.0mm	Item 4.28 of IEC 61810-7
	Damage limits: 10Hz~55Hz double amplitude 1.0mm	Item 4.28 of IEC 61810-7
Terminals strength	10N	Item 4.24 of IEC 61810-7
Ambient Temperature	-40 $^{\circ}$ C~85 $^{\circ}$ C	
Relative Humidity	85% (at 40 $^{\circ}$ C)	Item 4.16 of IEC 61810-7
Mass	16g	Item 4.7 of IEC61810-7

## Safety approvals

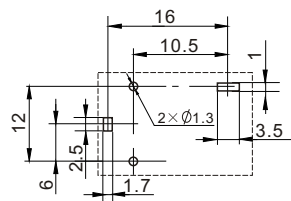
Safety approval	UL&CUR
Load	32A/277VAC

## Dimensions

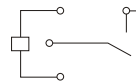
mm



Dimensions



Mounting(Bottom view)



Wiring diagram (Bottom view)