22×16.2×20.8

JZC-22F$_4$

c UL us E160644 R50631259

cec 25002479307

Features

- Small size, light weight , low coil power consumption.
- Switching capacity can reach 32A/277VAC.
- High dielectric strength.
- Contact gap ≥2.1 available.
- PC board mounting is available.
- High-performance power relay, suitable for photovoltaic systems (solar-inverters), automotive applications, motor control, compressor control, and home appliances.

Ordering Information

JZC-22F$_4$	F	A	32	T	12VDC	F
1	2	3	4	5	6	7

1 Part number: JZC-22F$_4$
2 Enclosure: S:Wash tight; F:Flux proof
3 Contact arrangement: A:1A
4 Contact rating: 32:32A
5 Coil power: T:2.8W; H:1.67W; L:1.2W
6 Coil rated voltage(V): DC:5,9,12,24,48
7 Insulation standard: NIL:Standard; F:155℃

Contact Data

Contact Arrangement	1A(SPSTNO)	
Contact Material	$AgSnO_2$	
Contact Rating[1)]	32A/277VAC	
Holding Voltage[2)3)]	40%-50%Uc(1.2W/1.67W) 32%-36%Uc(2.8W)	
Max. Switching Power	8864VA	
Max. Switching Voltage	400VAC	Max. Switching Current:32A
Contact Resistance	≤100mΩ	Item 4.12 of IEC 61810-7
Electrical Endurance	1×10^4 1×10^4(1.67W 105℃)	Item 4.30 of IEC 61810-7
Mechanical Endurance	5×10^5	Item 4.31 of IEC 61810-7

Notes: 1)The vent hole should be opened when testing enclosed relay.
2)The coil holding voltage is the voltage value after the rated voltage is applied to the coil for 200ms.
3)To apply higher holding voltage than specified during long time is forbidden to prevent overheating.

Coil Parameter

Coil voltage VDC		Coil resistance Ω ± 10%	Pick-up voltage VDC(max) (80%of rated voltage)	Drop-out voltage VDC(min) (5% of rated voltage)	Coil power W	Operate time ms	Release time ms
Rated	Max.						
9	10.8	28.9	7.2	0.45	2.8	≤15	≤10
12	14.4	51.4	9.6	0.6			
24	28.8	205.7	19.2	1.2			
5	6	15	4	0.25	1.67	≤15	≤10
9	10.8	48.5	7.2	0.45			
12	14.4	86.2	9.6	0.6			
24	28.8	344.9	19.2	1.2			
48	57.6	1379.6	38.4	2.4			
5	6.5	20.8	4	0.25	1.2	≤15	≤10
9	10.8	67.5	7.2	0.45			
12	14.4	120	9.6	0.6			
24	28.8	480	19.2	1.2			
48	57.6	1920	38.4	2.4			

Notes: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2.Apply 100%-120% of the rated coil voltage for 200ms in order for the relay to operate correctly.

Characteristics

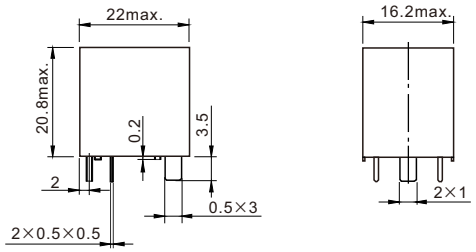
Insulation Resistance	1000MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Open Contacts Between Contact and Coil	 2000VAC 1min 4000VAC 1min	Item 4.9 of IEC 61810-7
Shock Resistance	Functional: 98m/s^2	Item 4.26 of IEC 61810-7
	Destructive: 980m/s^2	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7
Terminals Strength	10N	Item 4.24 of IEC 61810-7
Ambient Temperature	-40℃~105℃	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Weight (Approx.)	16g	Item 4.7 of IEC61810-7

Safety Approvals

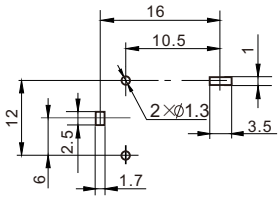
Safety approval	UL&CUR	TüV	CQC
Load	32A/277VAC,250VAC	32A/277VAC,250VAC	32A/277VAC,250VAC

Dimensions

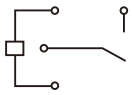
mm



Dimensions



Mounting(Bottom view)



Wiring diagram (Bottom view)

Remark: In case of no tolerance shown in outline dimension: outline dimension≤1mm,tolerance should be ±0.2mm ; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.