RJS ELECTRONICS LTD

22×16.5×16.5

N4099(JZC-7F)

c UL us E158859 CQC 06001015743

Features

- Small size, light weight, Low price.
- Sensitive operation, good synchronism.
- Low coil power consumption.
- PC board mounting.
- Suitable for electrical application, telecommunication, automatic control, wireless radio remote control and sound control toy application.

Contact Data

Contact Arrangement		2A (DPSTNO) 2B (DPSTNC) 2C (DPDT(B-M))	
Contact Material		AgCdO (Au clad) $AgSnO_2$ (Au clad) AgNi (Au clad)	
Contact Rating (resistive)		1A,2A,3A/277VAC,30VDC; 0.6W:3A,5A,10A/277VAC,30VDC 6A/125VAC	
Max. Switching Power		0.5W:90W 850VA; 0.6W:300W 2770VA	
Max. Switching Voltage		50VDC 380VAC	Max. Switching Current:10A
Contact Resistance or Voltage drop		⩽50mΩ	Item 4.12 of IEC 61810-7
Operational life	Electrical	10^5	Item 4.30 of IEC 61810-7
	Mechanical	10^7	Item 4.31 of IEC 61810-7

CAUTION: 1.For the intermediate current, it only applies to the room temperature.
2.For gold plated version, the min. Switching current and min. switching voltage is 50mA/6VDC; for non gold plated version (standard type),the min. switching current and min. switching voltage is 100mA/6VDC.

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.						
003-500	3	3.9	20	2.25	0.3	0.45	⩽10	⩽5
006-500	6	7.8	80	4.50	0.6			
009-500	9	11.7	180	6.75	0.9			
012-500	12	15.6	320	9.00	1.2			
024-500	24	31.2	1280	18.0	2.4			
048-500	48	62.4	5120	36.0	4.8			
003-500	3	3.9	18	2.25	0.3	0.5	⩽10	⩽5
006-500	6	7.8	72	4.50	0.6			
009-500	9	11.7	162	6.75	0.9			
012-500	12	15.6	288	9.00	1.2			
024-500	24	31.2	1152	18.0	2.4			
048-500	48	62.4	4608	36.0	4.8			
003-600	3	3.9	15	2.25	0.3	0.6	⩽10	⩽5
006-600	6	7.8	60	4.50	0.6			
009-600	9	11.7	135	6.75	0.9			
012-600	12	15.6	240	9.00	1.2			
024-600	24	31.2	960	18.0	2.4			
048-600	48	62.4	3840	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

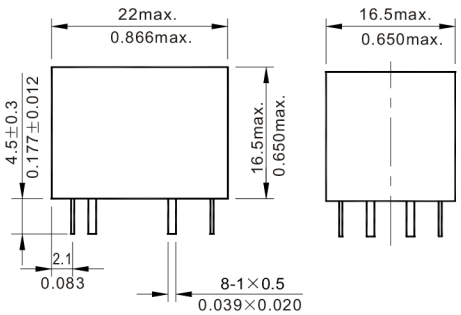
Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength Between contacts Between contact and coil	 50Hz 750V 50Hz 1000V	 Item 6 of IEC 60255-5 Item 6 of IEC 60255-5
Shock resistance	100m/s² 11ms	IEC 68-2-27 Test Ea
Vibration resistance	10Hz~55Hz amplitude 1.5mm	IEC 68-2-6 Test Fc
Terminals strength	10N	IEC 68-2-21 Test Ua1
Solderability	235℃±2℃ 3s±0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-40℃~70℃	
Relative Humidity	85% (at 40℃)	IEC 68-2-3 Test Ca
Mass	12g	

Safety approvals

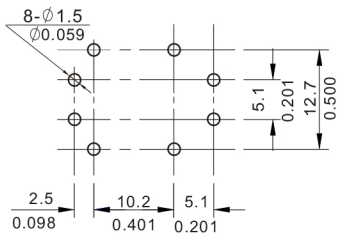
Safety approval	UL&CUR	CQC
Load	5A/277VAC 30VDC 6A/125VAC,30VDC	5A/277VAC

Dimensions

mm /inch



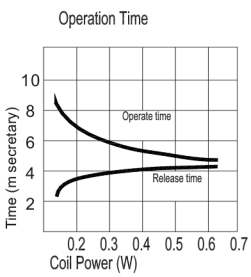
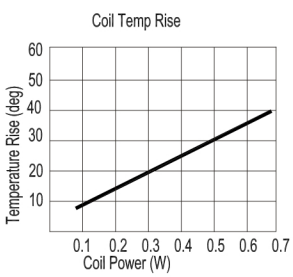
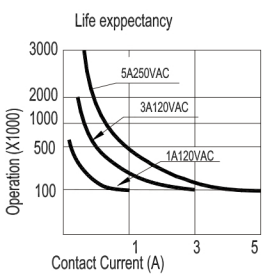
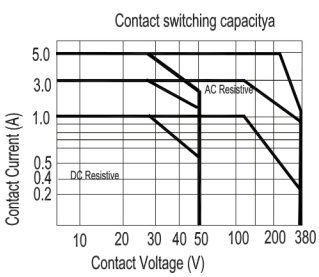
Dimensions



Mounting (Bottom view)

2A 2B 2C

Wiring diagram(Bottom view)

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

Reference Data