



# JZC-38F


## SUBMINIATURE INTERMEDIATE POWER RELAY




File No.:E133481



File No.:R2133535



File No.:CH0039695-99



JZC-38F  
024-ZS  
NO: 5A 250VAC  
5A 30VDC  
NC: 3A 250VAC  
3A 30VDC  
CHINA

### Features

- 1 From A or 1 From C
- Standard and Sensitive Coils
- Sealed and Unsealed Type Available

### CONTACT DATA

Contact Arrangement	1A	1C	
Initial Contact Resistance Max.	100mΩ (at 1A 6VDC)		
Contact Material	AgCdO, AgSnO		
Contact Rating (Res. Load)	5A 250VAC 5A 30VDC	Standard	High Capacity
		NC: 3A 250VAC/30VDC NO: 5A 250VAC/30VDC	NC: 5A 250VAC/30VDC NO: 5A 250VAC/30VDC
Max. switching voltage	250VAC/30VDC		
Max. switching current	5A		
Max. switching power	1250VA	NO:1250VA NC:750VA	1250VA
	UL/CUR rating		
N.O.:5A 250VAC/30VDC N.C.:3A 250VAC/30VDC			
TÜV rating			
N.O.:5A 250VAC/30VDC N.C.:3A 250VAC/30VDC			
Mechanical life	1x 10 <sup>7</sup> OPS		
Electrical life	1 x 10 <sup>5</sup> OPS		

### COIL

Coil power	Standard:0.36W, Sensitive:0.25W
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### COIL DATA

Standard Type				
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC(at 20°C)	Coil Resistance Ω
3	2.1	0.15	3.9	25 ± 10%
5	3.5	0.25	6.5	69 ± 10%
6	4.2	0.30	7.8	100 ± 10%
9	6.3	0.45	11.7	225 ± 10%
12	8.4	0.60	15.6	400 ± 10%
18	12.6	0.90	23.4	900 ± 10%
24	16.8	1.20	31.2	1600 ± 10%
48	33.6	2.40	62.4	6400 ± 10%

### CHARACTERISTICS

Initial Insulation Resistance	1000MΩ 500VDC
Dielectric Strength	Between coil and Contacts 2000VAC 1min.
	Between open contacts 1000VAC 1min.
Operate time (at nomi. Volt.)	10ms
Release time (at nomi. Volt.)	5ms
Temperature rise (at nomi. Volt.)	Max. 55°C
Humidity	45 to 85%RH
Ambient temperature	-40°C to +85°C
Shock Resistance	Functional 100 m/s <sup>2</sup>
	Destructive 500 m/s <sup>2</sup>
Vibration Resistance	3.3mm 10 to 55Hz
Termination	PCB
Unit weight	Approx. 8g
Construction	Sealed & Unsealed

### Sensitive Type

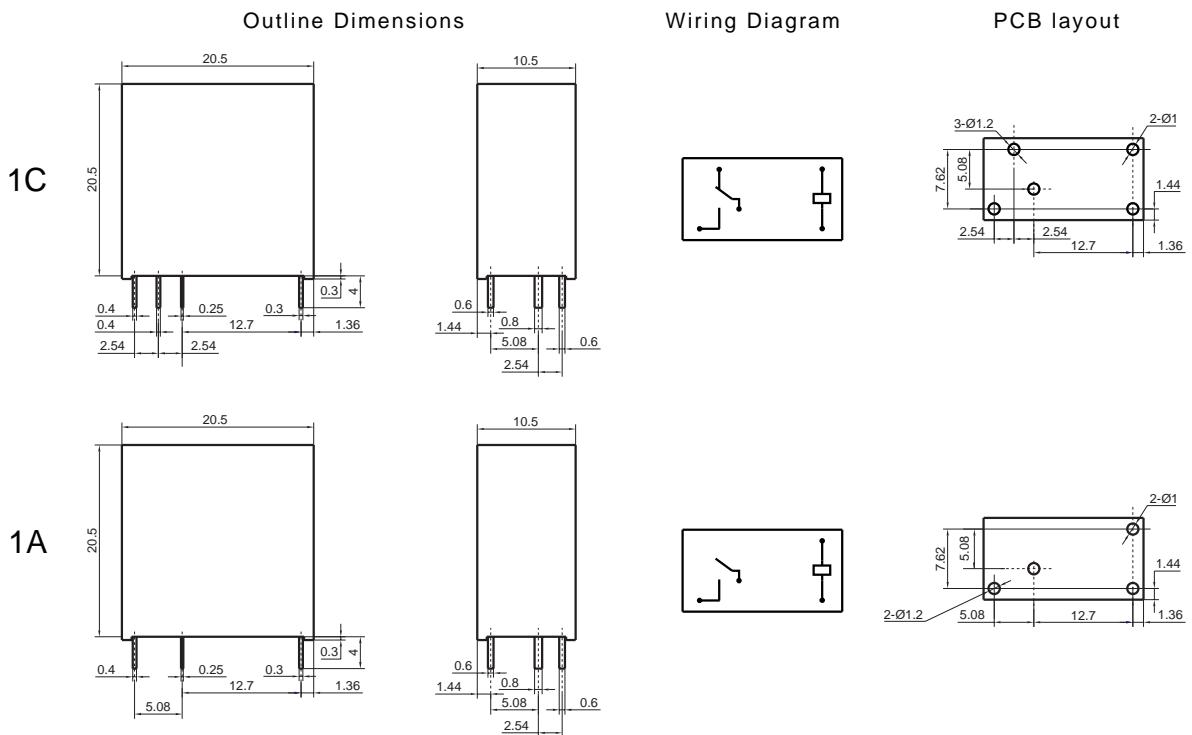
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC(at 20°C)	Coil Resistance Ω
3	2.2	0.15	3.9	36 ± 10%
5	3.6	0.25	6.5	100 ± 10%
6	4.3	0.30	7.8	145 ± 10%
9	6.5	0.45	11.7	325 ± 10%
12	8.6	0.60	15.6	575 ± 10%
18	13.0	0.90	23.4	1300 ± 10%
24	17.3	1.20	31.2	2310 ± 10%
48	34.6	2.40	62.4	9220 ± 10%



## ORDERING INFORMATION

Type	<b>JZC-38F / 012 H S L T</b>
Coil voltage	3, 5, 6, 9, 12, 18, 24, 48VDC
Contact arrangement	H: 1 Form A Z: 1 Form C
Structure	Nil: Unsealed S: Sealed
Coil Power	L: Sensitive NIL: Standard
Contact rating type	Q: High Capacity NIL: Standard

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT



## CHARACTERISTICS CURVE

