

# JZC-32FA

## SUBMINIATURE INTERMEDIATE POWER RELAY



File No.:2002LV0575CQC



File No.:E134517



File No.:40006182



### Features

- 5A switching capabilities
- SPST-NO and SPDT configurations
- Creepage/clearance distance:>8mm
- 5KV dielectric between coil to contacts
- 1 Form A meets VDE 0700, 0631  
1 Form C meets VDE 0631

### CONTACT DATA

Contact Arrangement	1H,1Z		
Initial Contact Resistance Max.	70mΩ (at1A 24VDC)		
Contact Material	AgNi		
Contact Rating (Res. Load)	1H		1Z
	Standard	Sensitive	Standard
	5A 250VAC		3A 250VAC
	5A 30VDC		3A 30VDC
Max. switching voltage	250VAC/30VDC		
Max. switching current	5A		
Max. switching power	1250VA/150W		
Mechanical life	1 x 10 <sup>6</sup> OPS		
Electrical life	1 x 10 <sup>5</sup> OPS		

### 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	2.25	0.15	3.9	20 ± 10%
5	3.75	0.25	6.5	55 ± 10%
6	4.50	0.30	7.8	80 ± 10%
9	6.75	0.45	11.7	180 ± 10%
12	9.00	0.60	15.6	320 ± 10%
18	13.5	0.90	23.4	720 ± 10%
24	18.0	1.20	31.2	1280 ± 10%

#### Sensitive Type

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC(at 20°C)	Coil Resistance Ω
3	2.25	0.15	5.1	45 ± 10%
5	3.75	0.25	8.5	125 ± 10%
6	4.50	0.30	10.2	180 ± 10%
9	6.75	0.45	15.3	400 ± 10%
12	9.00	0.60	20.4	720 ± 10%
18	13.5	0.90	30.6	1600 ± 10%
24	18.0	1.20	40.8	2800 ± 10%

### CHARACTERISTICS

Initial Insulation Resistance	1000MΩ (500VDC)	
Dielectric Strength	Between coil and Contacts	5000Vrms 1min.
	Between open contacts	1000Vrms 1min.
Operate time (at nomi. Volt.)	8ms	
Release time (at nomi. Volt.)	4ms	
Humidity	35 to 95%	
Ambient temperature	-40°C to 85°C	
Shock Resistance	Functional	100 m/s <sup>2</sup>
	Destructive	1000 m/s <sup>2</sup>
Vibration Resistance	1.65mm,10 to 55 Hz	
Termination	PCB	
Unit weight	Approx.4.6g	
Construction	Unsealed&Sealed	

### COIL

Coil power	Sensitive: 0.2W , Standard: 0.45W
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### SAFETY APPROVAL RATINGS

UL	1 Form A :	5A 250VAC 85°C 1/8HP,125VAC/250VAC 3A,250VAC COSφ=0.4 C300
	1 Form C :	3A 250VAC 3A 30VDC
VDE		5A 250VAC 85°C 5A 30VDC 85°C



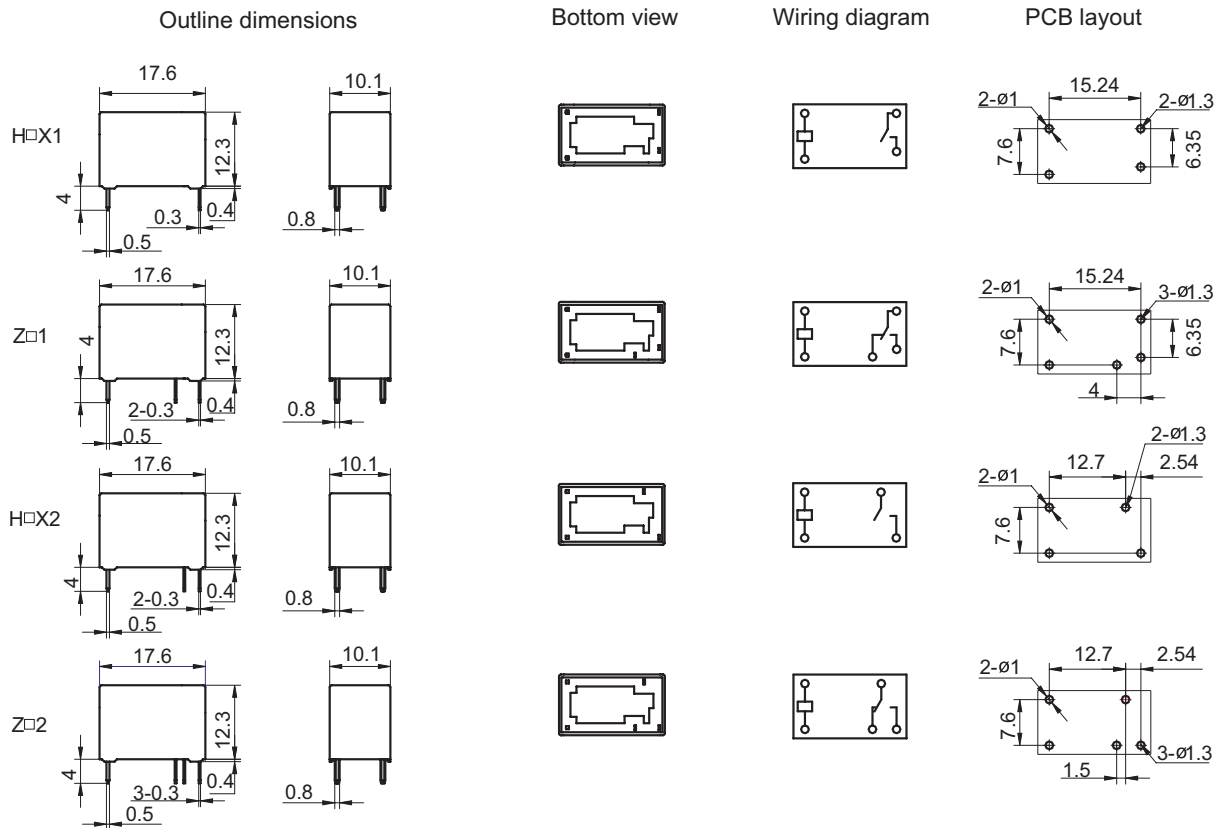
## ORDERING INFORMATION

<b>JZC-32FA / 012 H S L 1 XXX</b>	
<b>Type</b>	
<b>Coil voltage</b>	3,5, 6, 9, 12, 18, 24VDC
<b>Contact arrangement</b>	H: SPST-NO Z: SPDT
<b>Structure</b>	S : Sealed Nil : Unsealed
<b>Coil Power</b>	NIL: Standard L: Sensitive (only for 1 Form A)
<b>Termination</b>	1: Type 1 2: Type 2
<b>Customer special request code</b>	

\*Note: Sensitive type only suit for SPST-NO

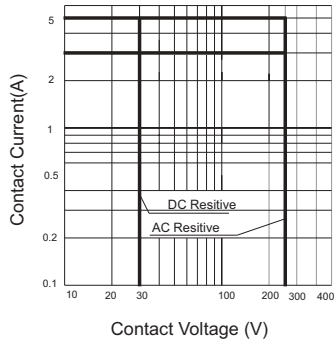
## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

### Outline Dimensions

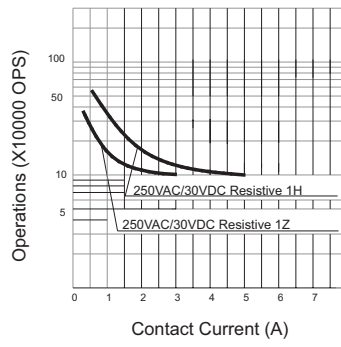


## CHARACTERISTICS CURVE

Maximum switching power



Life curve



Temperature rise

