

JZC-36F



Feature

- 1. Profile size: 24.5(L)x10.5(W)x25(H)mm**
- 2. Switching Capacity: 10A 30VDC/250VAC**
- 3. TV-5 rating Approved; Inrush current can reach 80A**

Typical applications

- ◆HVAC ◆Home Appliances
- ◆Power system ◆Industrial control

Reference cross: JZC-36F SDT-R SMA LK G5PA

Specifications

◆ Contact Ratings

Number of poles		1 Pole		
Arrangement	1 Form A, 1 Form C			
Initial contact resistance, max.(by voltage drop 6VDC/1A)	50m Ω			
Contact material	Silver alloy			
Rating (resistive load)	Nominal switching capacity	10A 250VAC 10A 30VDC	TV-5 125VAC	
	Max. switching power	2500VA/300W		
	Max. switching voltage	250VAC		
	Max. switching current	10A		
Expected life (min.operations)	Mechanical (at 300cpm)	1 × 10 ⁷		
	Electrical (resistive load)	1 × 10 ⁵		

◆ Coil data(Special coil power available)

1、Standard				
Rated voltage (VDC)	5	9	12	24
Rated current (mA)	108	60	45	22.5
Coil resistance (Ω) $\pm$ 10%	46	150	267	1066
Must operate voltage	75% max. of rated voltage			
Must release voltage	5% min. of rated voltage			
Max voltage	130% of rated voltage			
Power consumption	0.54W	0.54W	0.54W	0.54W
2、Sensitive				
Rated voltage (VDC)	5	9	12	24
Rated current (mA)	50	27.6	20.8	10.5
Coil resistance (Ω) $\pm$ 10%	100	325	576	2304
Must operate voltage	75% max. of rated voltage			
Must release voltage	5% min. of rated voltage			
Max voltage	130% of rated voltage			
Power consumption	0.25W	0.25W	0.25W	0.25W

◆ Characteristics

Item		1 pole
Initial insulation resistance		Min.100 M Ω (at 500VDC)
Dielectric strength	Between open contacts	1000VAC 1 Min.
	Between coil and contacts	4000VAC 1 Min.
Operate time (at nominal voltage)		10ms
Release time (at nominal voltage)		5ms
Temperature rise (at nominal voltage)		40K max. (at 20℃)
Shock resistance	Functional	100 m/ S ²
	Destructive	1000 m/ S ²
Vibration resistance	Functional	10 to 55Hz, at double amplitude 1.5mm
	Destructive	
Ambient temperature		-40℃~+85℃
Humidity		45% to 85% RH
Termination		PCB
Unit weight		Approx. 11g

Ordering information

JZC-36F—X X X X X

1 2 3 4 5 6

1. Product type: JZC-36F

2. Coil Voltage

005—5VDC 009—9VDC 012—12VDC 024—24VDC

3. Contact arrangement

Z—1 Form C H—1 Form A

4. Enclosure type

S—Sealed case Blank—Vented case

5. Coil power consumption

Blank—Standard L—Sensitive

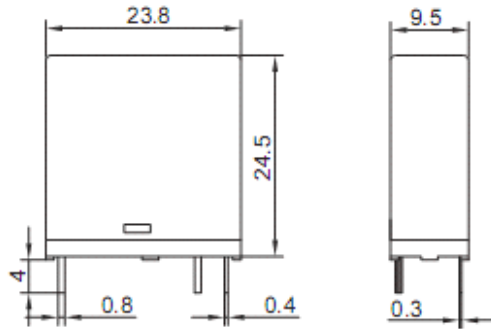
6. Contact Material

T—AgSnO₂ Blank—AgCdO*Note: Any special requests, please contact us.*

Outline Dimensions, PCB Layout and Wiring Diagram

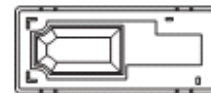
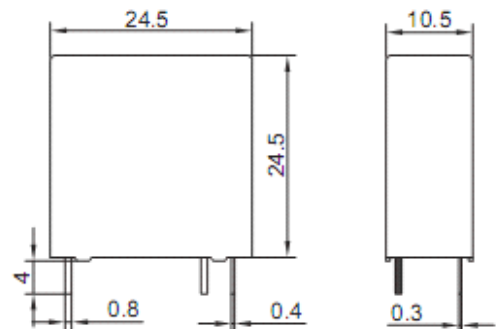
(Dimensions are in millimeters)

1 Form A & Unsealed



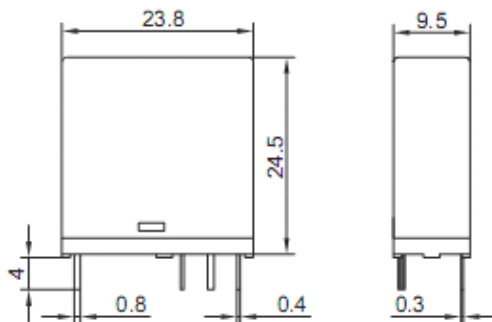
(Bottom view)

1 Form A & Sealed



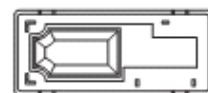
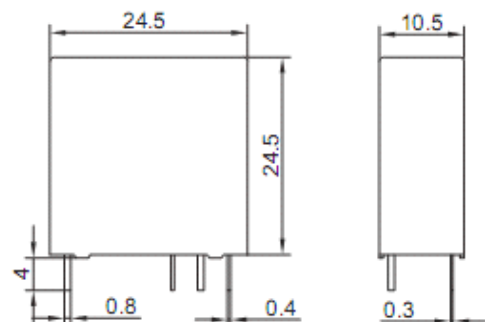
(Bottom view)

1 Form C & Unsealed



(Bottom view)

1 Form C & Sealed



(Bottom view)

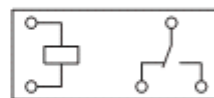
Wiring Diagram

1 Form A



(Bottom view)

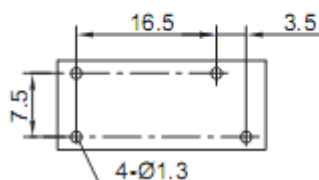
1 Form C



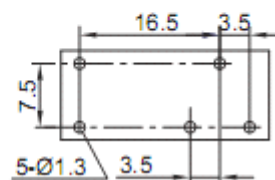
(Bottom view)

PCB Layout

1 Form A

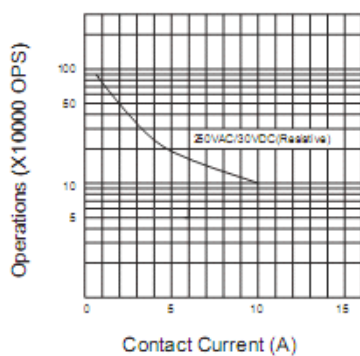


1 Form C



CHARACTERISTIC CURVES

LIFE CURVE



COIL TEMPERATURE RISE

