



28×21.5×35.5



28×21.5×36.2

# JZX-18FF



R50126379



US E169380

## Features

- Small size, light weight, heavy reverse power.
- Optional mounting ways.
- Firm structure, strong anti-shock & anti vibration.
- Suitable for automatic control, telecommunication equipment, household electrical appliances and machinery electrical facilities.

## Ordering Information

**JZX-18FF 2C a DC12V 1 L**

1 2 3 4 5 6

1 Part number: JZX-18FF  
 2 Contact arrangement: 2C:2C;  
 3C:3C; 4C:4C  
 3 Terminal: a: inserting type; b: PCB type  
 4 Coil rated Voltage(V): AC:6,12,24,36,48,110,120,220  
 DC:6,12,24,36,48,110

5 Cover: 1:1Mode; 2:2 Mode  
 6 Coil transient suppression: L:with LED  
 D:with diode  
 LD:with LED & diode  
 NIL:standard

## Contact Data

Contact Arrangement	2C (DPDT (B-M))、3C (3PDT (B-M))、4C (4PDT(B-M))		
Contact Material	AgSnO <sub>2</sub> Ag Alloy		
Contact Rating (Resistive)	2C&3C:5A,7A/220VAC,28VDC; 7A/250VAC Heavy Load:10A/220VAC,28VDC 4C:3A/220VAC,28VDC; Heavy Load:5A/220VAC,28VDC		
Max. Switching Power	280W 2500VA		
Max. Switching Voltage	150VDC 300VAC	Max.Switching Current:10A	
Contact Resistance	≤50mΩ	Item 4.12 of IEC 61810-7	
Operational Life	Electrical	3A:5 × 10 <sup>5</sup> ; 5A:2 × 10 <sup>5</sup> ; 7A、10A:1 × 10 <sup>5</sup> Item 4.30 of IEC 61810-7	
	Mechanical	2 × 10 <sup>7</sup> Heavy load:1 × 10 <sup>7</sup> Item 4.31 of IEC 61810-7	

## Coil Parameter(DC)

Dash numbers	Coil voltage V		Coil resistance Ω ± 10%	Rated current mA	Pick-up voltage V(max) (80%of rated Voltage)	Drop-out voltage V(min) (10%of rated voltage)	Coil power	Operate time ms	Release time ms
	Rated	Max.							
006-900	6	6.6	40	150	4.8	0.6	0.9W	<25	<25
012-900	12	13.2	160	75	9.6	1.2			
024-900	24	26.4	640/650	36.9	19.2	2.4			
036-900	36	39.6	1500	24.5	28.8	3.6			
048-900	48	52.8	2600	18.5	38.4	4.8			
110-900	110	121	11000	10.0	88.0	11.0			

## Coil Parameter(AC)

Dash numbers	Coil voltage V		Coil resistance $\Omega \pm 10\%$	Rated current mA	Pick-up voltage V(max) (80%of rated Voltage)	Drop-out voltage V(min) (30%of rated voltage)	Coil power	Operate time ms	Release time ms
	Rated	Max.							
006AC-1200	6	6.6	11.5	183.0	4.8	1.8	1.2VA	<25	<25
012AC-1200	12	13.2	46	91.0	9.6	3.6			
024AC-1200	24	26.4	184	46.0	19.2	7.2			
036AC-1200	36	39.6	370	33.0	28.8	10.8			
048AC-1200	48	52.8	735	24.0	38.4	14.4			
110AC-1200	110	121	3750	11.0	88.0	33.0			
120AC-1200	120	132	4550	9.8	96.0	36.0			
220AC-1200	220	242	14400	4.2	176	66.0			

## Characteristics

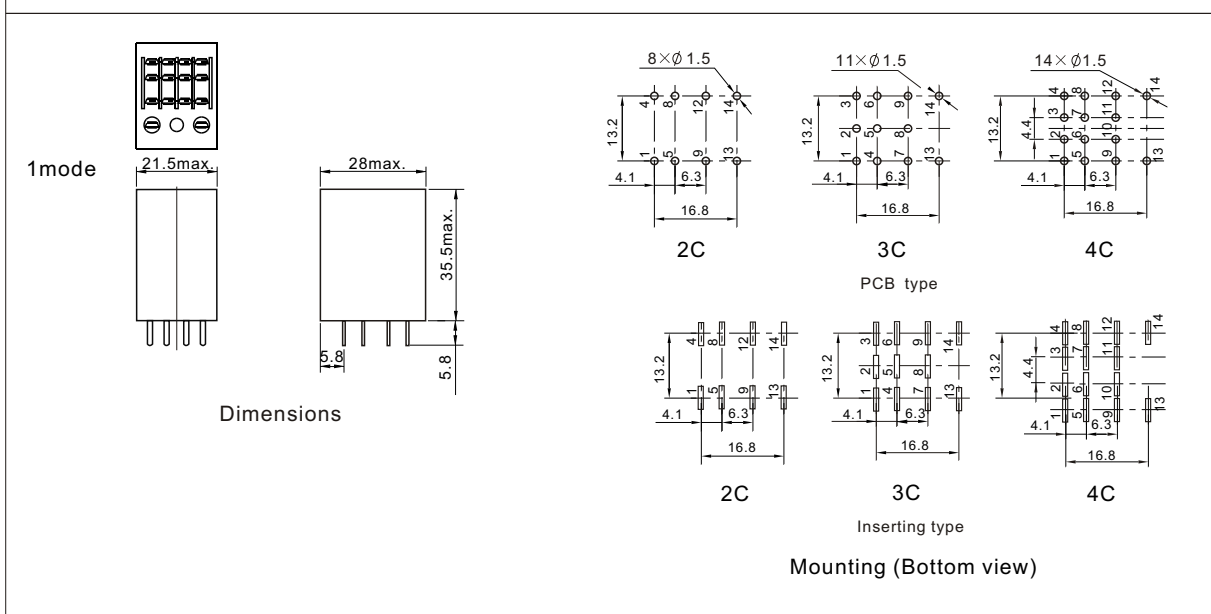
Insulation Resistance <sup>1)</sup>	1000M $\Omega$ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength <sup>1)</sup>		
Between Contacts	50Hz 1000V	Item 4.9 of IEC 61810-7
Between Contact and Coil	50Hz 1500V	Item 4.9 of IEC 61810-7
Shock Resistance	98m/s <sup>2</sup> 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7
Terminals Strength	8N 4N(PC type)	Item 4.24 of IEC 61810-7
Ambient Temperature	-55 $^{\circ}$ C~70 $^{\circ}$ C	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Mass	37g	Item 4.7 of IEC 61810-7

Note: 1). When testing, coil terminals should be connected , if LED is installed in relay .

## Safety Approvals

Safety approval	UL&CUR	TÜ V
Load	4C:5A/220VAC,28VDC 2C,3C:10A/220VAC,28VDC	5A/220VAC,28VDC 7A/250VAC

## Dimensions



## Dimensions mm

2mode

Inserting type      PCB type

Leading end shape diagram

Wash tight  
Dimensions

2C                      3C                      4C

Wiring diagram  
(Bottom view)

**CAUTION:** In case of no tolerance shown in outline dimension: outline dimension  $\leq 1\text{mm}$ , tolerance should be  $\pm 0.2\text{mm}$ ; outline dimension  $> 1\text{mm}$  and  $\leq 5\text{mm}$ , tolerance should be  $\pm 0.3\text{mm}$ ; outline dimension  $> 5\text{mm}$ , tolerance should be  $\pm 0.4\text{mm}$ .

## Reference Data

### Operate Time

### Coil Temperature Rise

### Endurance Curve

### Contact Switching Capacity