FORWARD RELAYS

28×21.5×35

J Z X - 1 8 F F

CH0050403—2000

E169380 R2133923

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 appliance and machinery electrical facilities.

Contact Data

Contact Arrangement		2A、2B、2C、3A、3B、3C、4C	
Contact Material		Ag·CdO	
Contact Rating (resistive)		2A,2B,2C&3A,3B,3C:5A/220VAC,28VDC; Heavy load:7A/220VAC,28VDC 4C:3A/220VAC,28VDC; Heavy load:5A/220VAC,28VDC	
Max. Switching Power		1250W 2500VA	
Max. Switching Voltage		150VDC 380VAC	Max. Switching Current:7A
Max. Resistance or Voltage drop		≤50mΩ	Item 3.12 of IEC255-7
life	Electrical	3A:5×10^5 5A:2×10^5 7A:1×10^5	Item 3.30 of IEC255-7
	Mechanical	2×10^7 Heavy load:1×10^7	Item 3.31 of IEC255-7

Coil Parameter

RATED VOLTAGE V Rated	Max.	COIL RESISTANCE Ω±10%	RATED CURRENT mA	PICK UP VOLTAGE V(max) (80%of rated voltage)	RELEASE VOLTAGE (min) (30%of rated voltage)	COIL POWER	Operate Time ms	Release Time ms
AC								
6	6.6	11.5	183.0	4.8	1.8	1.2VA		
12	13.2	46	91.0	9.6	3.6			
24	26.4	184	46.0	19.2	7.2			
36	39.6	370	33.0	28.8	10.8			
48	52.8	735	24.0	38.4	14.4			
110	121	3900	11.0	88.0	33.0			
120	132	4550	9.8	96.0	36.0			
220	242	14400	4.2	176	72.0			
DC					10%of rated voltage))			
6	6.6	40	150	4.8	0.6	0.9W	≤25	≤25
12	13.2	160	75	9.6	1.2			
24	26.4	640/650	36.9	19.2	2.4			
36	39.6	1500	24.5	28.8	3.6			
48	52.8	2600	18.5	38.4	4.8			
110	121	11000	10.0	88.0	11.0			

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[1)]	1000MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength[1)]		
Between contacts	50Hz 1000V	Item 6 of IEC255-5
Between contact and coil	50Hz 1500V	Item 6 of IEC255-5
Shock resistance	100m/s^2 11ms	IEC68-2-27 Test Ea method 1
Vibration resistance	10~55Hz double amplitude 1.5mm	IEC68-2-6 Test Fc
Terminals strength	8N 4N(PC type)	IEC68-2-21 Test Ua2
Solderability	230℃±2℃ 10±0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-55~55℃	
Relative Humidity	85% (at 40℃)	IEC68-2-3Test Ca
Mass	37g	

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

Qualification inspection:

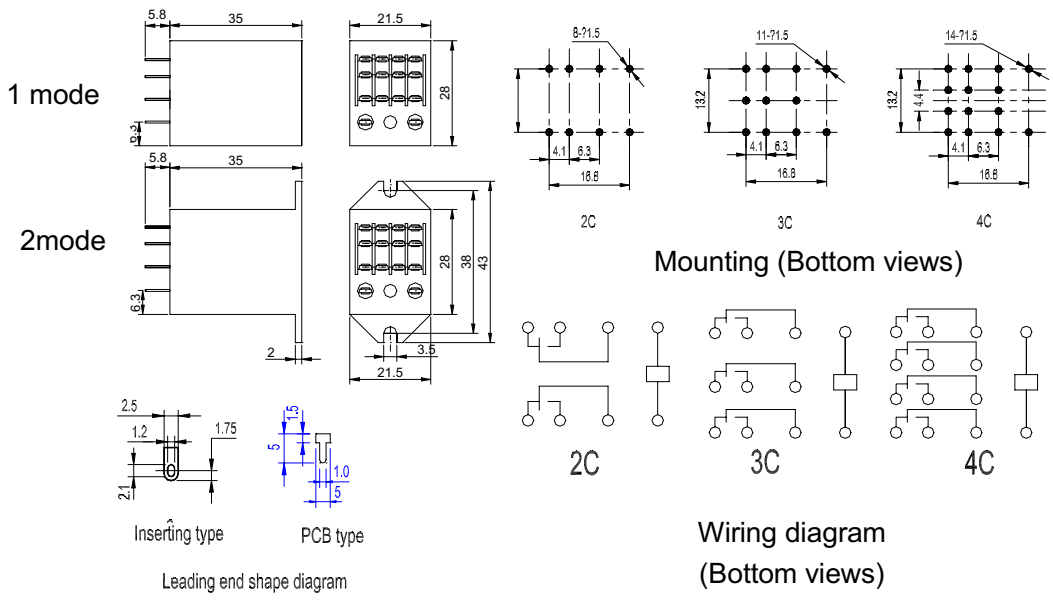
Perform the qualification test as specified in the table Ⅳ of IEC255-19-1 and minimum sample size 24.

Ordering Information

JZX-18FF 2C a DC12V 1 L

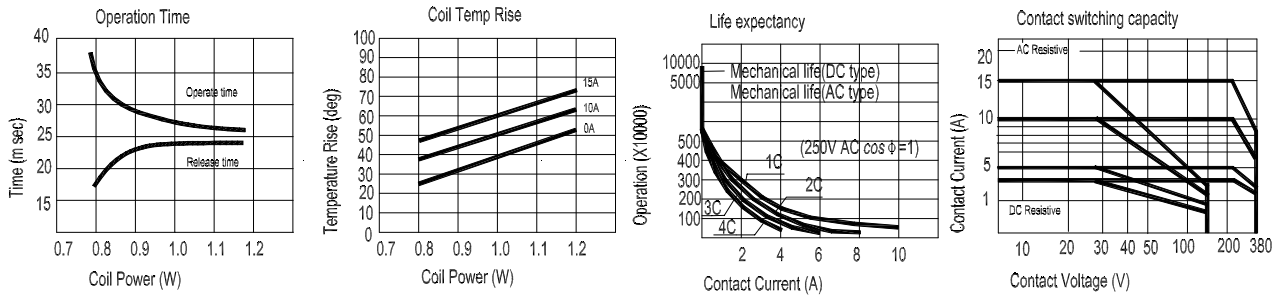
- L：With LED，Nil：W/O LED
- Cover：1Mode、2Mode（overall dimensions）
- Coil rated Voltage
  AC：6，12，24，36，48，110，120，220
  DC：6，12，24，36，48，110
- a:Inserting type ，b:PCB type
- Contact Arrangement
  2A:2A,2B:2B,2C:2C,3C:3C,4C:4C
- Part number:JZX-18FF

Dimensions (Unit: mm)



mm	inch
1.1	0.043
1.2	0.047
1.5	0.059
1.75	0.069
2	0.079
2.1	0.083
2.5	0.098
3.5	0.138
4.1	0.161
4.4	0.173
5	0.197
5.8	0.228
6.3	0.248
13.2	0.525
16.8	0.661
21.5	0.846
28	1.102
35	1.378
38	1.496
43	1.693

NOTES 1).Dimensions are in millimeter.

2).Inch equivalents are given for general information only.

Reference Data