



27.4×21.5×35.7
28×21.5×36.6(Wash tight)

JZX-18FF

UL E158859 R50126379
CCC 09002028961

Features

- Small size, light weight, heavy switching power.
- Optional mounting ways. With LED and with test button available.
- 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:Plug in 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	Ag Alloy	
Contact Rating	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 2200VA	
Max. Switching Voltage	150VDC 300VAC	Max.Switching Current:10A
Contact Resistance	≤50mΩ	Item 4.12 of IEC 61810-7
Electrical Endurance	3A: 5×10 ⁵ ; 5A: 2×10 ⁵ ; 7A/10A: 1×10 ⁵	Item 4.30 of IEC 61810-7
Mechanical Endurance	2×10 ⁷ Heavy load:1×10 ⁷	Item 4.31 of IEC 61810-7

Coil Parameter(AC)

Coil voltage VAC		Coil resistance Ω ± 10%	Rated current mA	Pick-up voltage VAC(max) (80%of rated Voltage)	Drop-out voltage VAC(min) (30%of rated voltage)	Coil power	Operate time ms	Release time ms
Rated	Max.							
6	6.6	11.5	183.0	4.8	1.8	1.2VA	≤25	≤25
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	3750	11.0	88.0	33.0			
120	132	4550	9.8	96.0	36.0			
220	242	14400	4.2	176	66.0			

Coil Parameter(DC)

Coil voltage VDC		Coil resistance Ω ± 10%	Pick-up-voltage VDC(max) (80%of rated Voltage)	Drop-out voltage VDC(min) (10%of rated voltage)	Coil power	Operate time ms	Release time ms
Rated	Max.						
6	6.6	40	4.8	0.6	0.9W	≤25	≤25
12	13.2	160	9.6	1.2			
24	26.4	640/650	19.2	2.4			
36	39.6	1500	28.8	3.6			
48	52.8	2600	38.4	4.8			
110	121	11000	88.0	11.0			

Characteristics

Insulation Resistance ¹⁾	1000MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength ¹⁾ Between Open Contacts Between Contact and Coil	1000VAC 1min 1500VAC 1min	Item 4.9 of IEC 61810-7
Shock Resistance	98m/s ² 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℃~70℃	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Weight (Approx.)	37g	Item 4.7 of IEC 61810-7

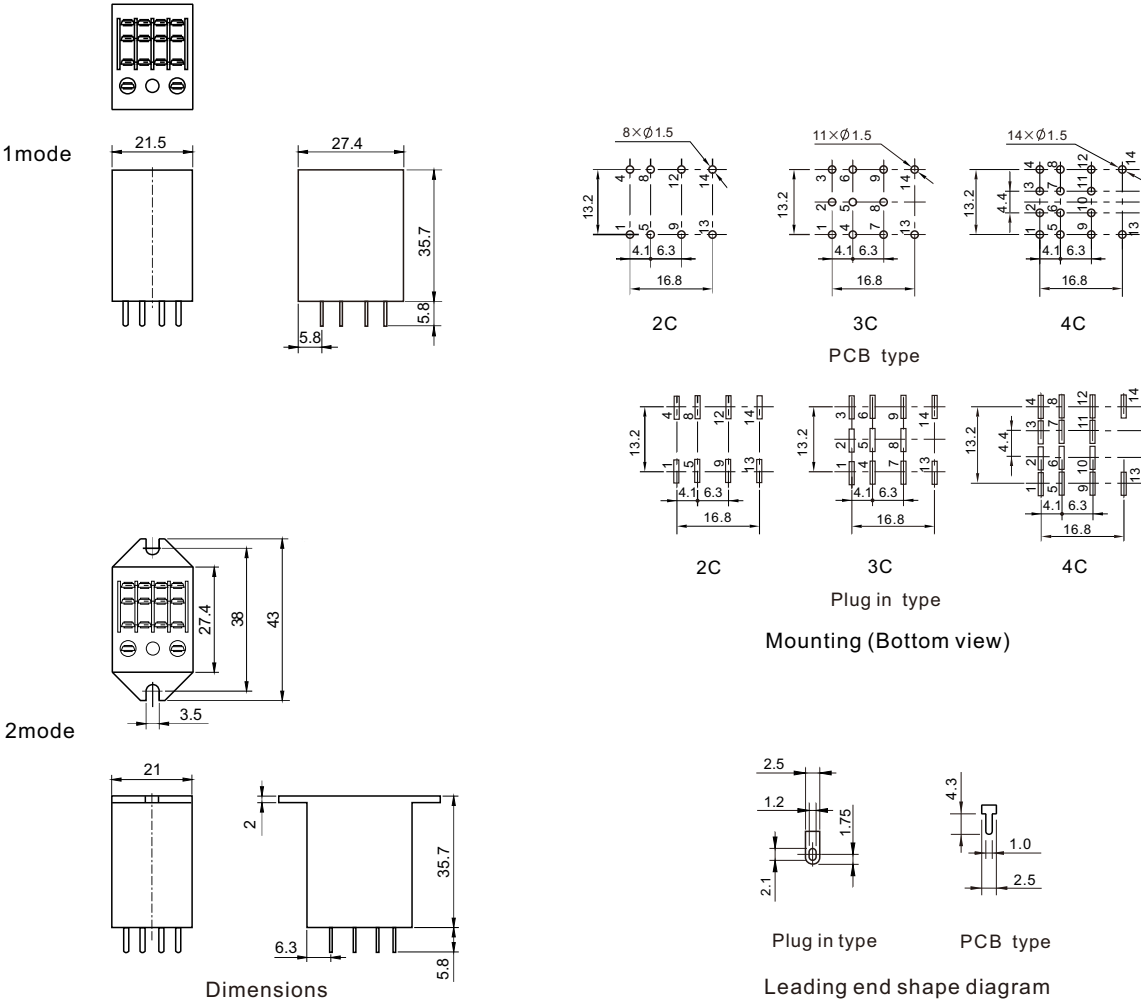
Note: 1). When testing, coil terminals should be connected , if LED is installed in relay .

Safety Approvals

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

Dimensions

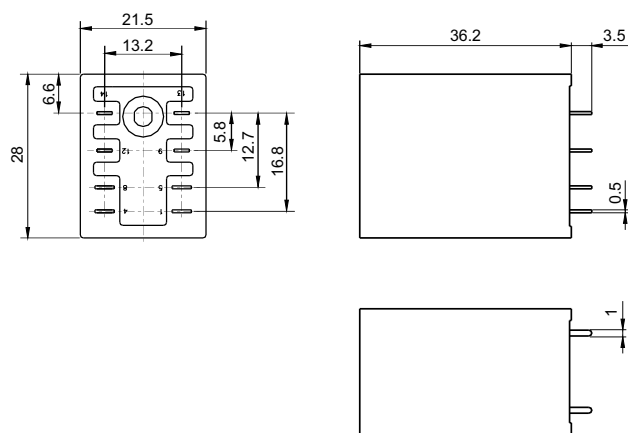
mm



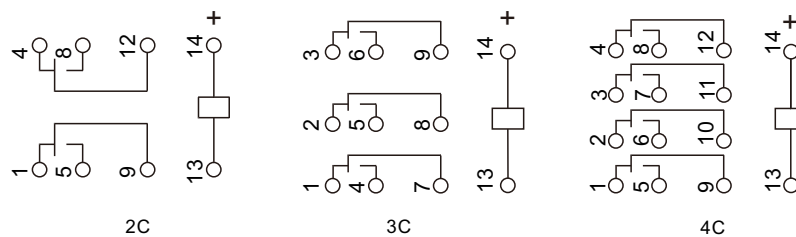
FORWARD RELAYS

Dimensions

mm



Wash tight
Dimensions



Wiring diagram(Bottom view)

Remark: In case of no tolerance shown in outline dimension: outline dimensions $\leq 1\text{mm}$, 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

