



JQX-13F Miniature High-Power Electromagnetic Relay

1. General

Contact switching capability of 10A; a complete range of AC/DC specifications; enclosed in transparent dust cover, a variety of mounting types; various sockets available; Specifications with state indicators available; certification: CE UL; models of the same type: LY2(N), HH62P(-L).

2. Technical data

Contact Arrangement		2Z	2ZS	3ZS	4ZS
Initial contact resistance	mΩ	100			
Contact material	Ag alloy				
Rated load (resistive)	A (220VAC/28VDC)	10	5	5	3
Max. switching voltage	VAC	250			
	VDC	125			
Max. switching current	A	10	5	5	3
Max. switching power	VA	2200	1100	1100	660
	W	280	140	140	84
Electrical endurance	Cycles	3×10 ⁵			
Machanical endurance	Cycles	1×10 ⁷			

3. Normal operating conditions and mounting conditions

Temperature range	-25°C~+55°C
Relative humidity	90%RH at +20°C
Atmospheric pressure	86kPa~106kPa
Working position	Any

4. Technical data

4.1 Contact data

Contact form	2Z(C)
Initial contact resistance	100mΩ
Contact material	Ag alloy
Contact load (resistive)	10A/220VAC, 10A/28VDC
Max. switching voltage	250VAC/125VDC
Max. switching current	10A
Max. switching power	2200VA 280W
Electrical life (times)	1×10 ⁵
Mechanical life (times)	1×10 ⁷

4.2 Characteristics data

Insulation resistance		100MΩ(500VDC)
Dielectric strength	Between coil & yoke, between different groups of contacts	1500VAC
	Between open contacts	500VAC
Operation time		≤25ms
Release time		≤25ms
Shock (resistance)		Acceleration: 100m/s ² , pulse duration: 11ms
Vibration		1mm double amplitude, (10~55)Hz
Outlet terminal type		Plug-in type, PCB type
Overall dimensions (mm)		27.5×21.5×35.5

4.3 Coil data

Rate power consumption	0.9W, 1.8VA
Pick-up voltage	DC: ≤75% rated voltage; AC: ≤80% rated voltage
Release voltage	DC: ≥10% rated voltage; AC: ≥20% rated voltage
Max. voltage	110% Rated voltage

4.4 Specification data

Rated voltage	Operation voltage VDC(≤)	Release voltage VDC(≥)	Coil resistance Ω±10%
5	3.75	0.5	
6	4.5	0.6	28
12	9.0	1.2	44
24	18.0	2.4	160
36	27.0	3.6	640
48	36.0	4.8	1440
110	82.5	11.0	2560
127	95.3	12.7	14500
220	165.0	22.0	17000
			39000

Rated voltage	Operation voltage VDC(≤)	Release voltage VDC(≥)	Coil resistance Ω±10%
6	4.8	1.2	10.5
12	9.6	2.4	44
24	19.2	4.8	180
36	28.8	7.2	380
48	38.4	9.6	650
110	88.0	22	3670
127	101.6	25.4	4100
220	176.0	44	14500
380	304.0	76	39000

5. Matching socket (optional)

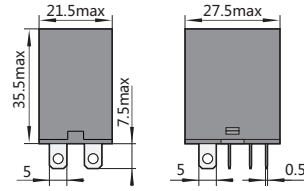
Relay model	JQX-13F(D)/2Z			
Model of matching socket	CZT08A-01	CZT08A-02	CZT08B-01	CZT08B-01E
Overall dimensions of socket (mm)	72×30×31	72×23×31	68×30×28	68×30×28
Type of socket lead	Screw terminal (installation type, rail type)			

6. Overall and mounting dimensions (mm)

Connection diagram (bottom view) (ZZ)



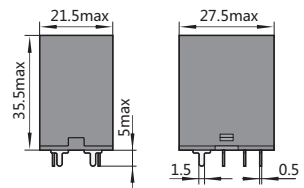
Outline drawing (plug-in type)



Connection diagram (bottom view) ZZ(D)



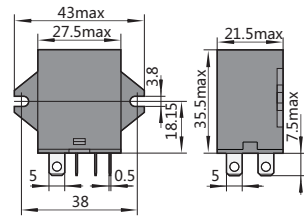
Outline drawing (PCB type)



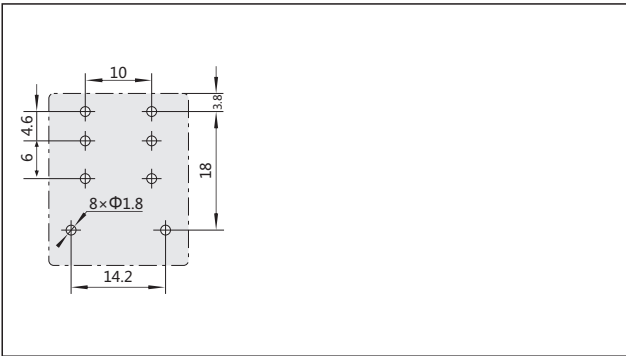
Connection diagram (bottom view) ZZ(B)



Outline drawing (lateral flange type)



PCB opening drawing (ZZ)



Outline drawing (top flange type)

