



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. Type designation

Contact Arrangement	2Z	
Initial contact resistance	mΩ	100
Contact material	Ag alloy	
Rated load(resistive)	A(250VAC/30VDC)	10
	VAC	250
Max. switching voltage	VDC	30
Max. switching current	A	10
	VA	2500
Max.switching power	W	300
Electrical endurance	Cycles	1×10^5
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 Characteristics data

Insulation resistance	100MΩ(500VDC)	
Dielectric strength	Between coil & yoke, between different groups of contacts	1500VAC
	Between open contacts	500VAC
Operation time (25°C ,rated voltage)		≤25ms
Release time (25°C ,rated voltage)		≤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

4.2 Coil data

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

4.3 Specification data

Rated voltage	Operation voltage VDC(≤)	Release voltage VDC(≥)	Coil resistance Ω±10%
5	4	0.5	28
6	4.8	0.6	44
12	9.6	1.2	160
24	19.2	2.4	640
36	28.8	3.6	1440
48	38.4	4.8	1900
110	88.0	11.0	14500
127	101.6	12.7	17000
220	176.0	22.0	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

Note: The colo colo temperrature parameter is value in 25 °C

5. Matching socket (optional)

Relay model	JQX-13F(D)/2Z		
Model of matching socket	CZTO8A-E	CZT08A-02	CZT08B-01
Overall dimensions of socket(mm)	72×30×31	72×23×31	68×30×28
Type of socket lead	Screw terminal(installation type,rail type)		

5. Matching socket (optional)

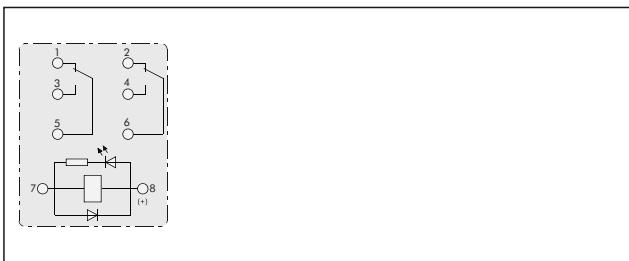
Connection diagram (bottom view) (2Z)



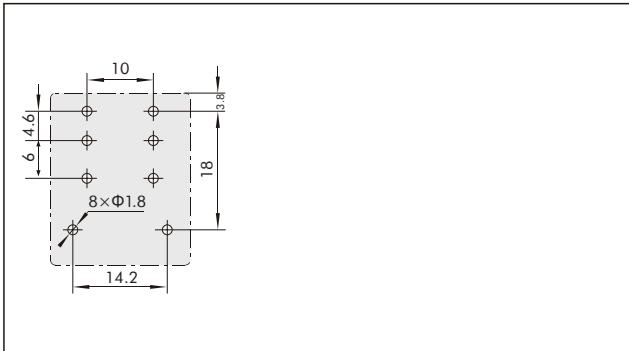
Connection diagram (bottom view) 2Z(D)



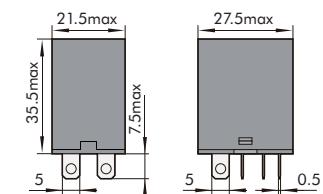
Connection diagram (bottom view) 2Z(B)



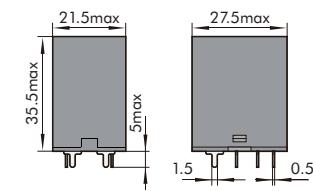
PCB opening drawing (2Z)



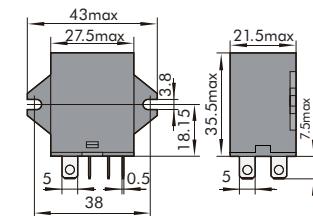
Outline drawing (plug-in type)



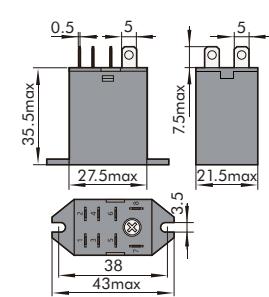
Outline drawing (PCB type)



Outline drawing (lateral flange type)



Outline drawing (top flange type)



7 Ordering Information

JQX-13F	(D)	/	2Z	PLU	DC 24V
Series	D:with status indicator B:with status indicator And surge suppression(DC) Blank:standard		Contact form 2Z:two sets of conversion(2C)	1: PCB 6: Plug-in	Coil voltage DC(6-220)V AC(6-220)V