

## NJP2 Miniature Electro-Magnetic Relay



### 1. General

2Z and 3Z contact forms; contact switching current up to 10A; complete AC and DC specifications; with test button functions; a wide range of device sockets are available;

## 2. Operating conditions

Temperature range	-40°C ~ +70°C
Relative humidity	+25°C ~ 95%
Atmospheric pressure	86kPa~106kPa
Operating position	Upstanding or side mounting(The anchor is on the top)

## 3. Technical data

### 3.1 Contact parameters

Contact form	2Z(C),3Z(C)
Initial contact resistance	100mΩ
Contact material	Silver alloy
Contact load(resistive)	10A 250VAC/30VDC
Maximum switching voltage	250VAC/125VDC
Maximum switching current	10A
Maximum switching power	2500VA 300W
Electrical life(cycles)	$1 \times 10^5$
Mechanical life(cycles)	$1 \times 10^7$

### 3.2 Performance parameters

Insulation resistance		100MΩ(500VDC)
Dielectric strength	Between coil and contacts	1500VAC
	Between open contacts	500VAC
Action time (25°C ,rated voltage)		≤20ms
Release time (25°C ,rated voltage)		≤20ms
Shock(stability)		Acceleration 100m/s <sup>2</sup> ,pulse duration 11ms
Vibration		Double amplitude 1mm,(10~55)Hz
Terminal form		Plug-in type
Overall dimensions(mm)		35×35×53(standard) 35×35×55(with mechanical latching)

### 3.3 Coil parameters

Rated power consumption	1.6W 3VA
Pull-in voltage	DC:≤80% rated voltage;AC:≤80% rated voltage
Release voltage	DC:≥10% rated voltage;AC:≥20% rated voltage
Maximum voltage	110% rated voltage

### 3.4 Coil specification

Rated voltage VDC	Pull-in voltage VDC(≤)	Release voltage VDC(≥)	Coil resistance Ω
6	4.8	0.6	$22 \times (1 \pm 10\%)$
12	9.6	1.2	$80 \times (1 \pm 10\%)$
24	19.2	2.4	$360 \times (1 \pm 10\%)$
48	38.4	4.8	$1440 \times (1 \pm 15\%)$
110	88	11	$7560 \times (1 \pm 15\%)$
220	176	22	$29000 \times (1 \pm 15\%)$

Rated voltage VDC	Pull-in voltage VDC(≤)	Release voltage VDC(≥)	Coil resistance Ω
6	4.8	1.2	$7 \times (1 \pm 10\%)$
12	9.6	2.4	$19 \times (1 \pm 10\%)$
24	19.2	4.8	$80 \times (1 \pm 10\%)$
36	28.8	7.2	$200 \times (1 \pm 10\%)$
48	38.4	9.6	$400 \times (1 \pm 10\%)$
110	88	22	$1600 \times (1 \pm 15\%)$
220	176	44	$7300 \times (1 \pm 15\%)$
380	304	76	$21000 \times (1 \pm 15\%)$

Note: The coil coil temperature parameter is value in 25 °C

## 4. Matching Sockets (optional)

Relay model	NJP2/2Z	NJP2/2Z	NJP2/3Z	NJP2/3Z	NJP2/3Z
Matching socket model	CZF08A	CZF08A-E	CZF11A		CZF11A-E
Socket overall dimensions(mm)	52×41×21.5		52×44×31		
Socket lead form	Screw type terminal				

CZF08A

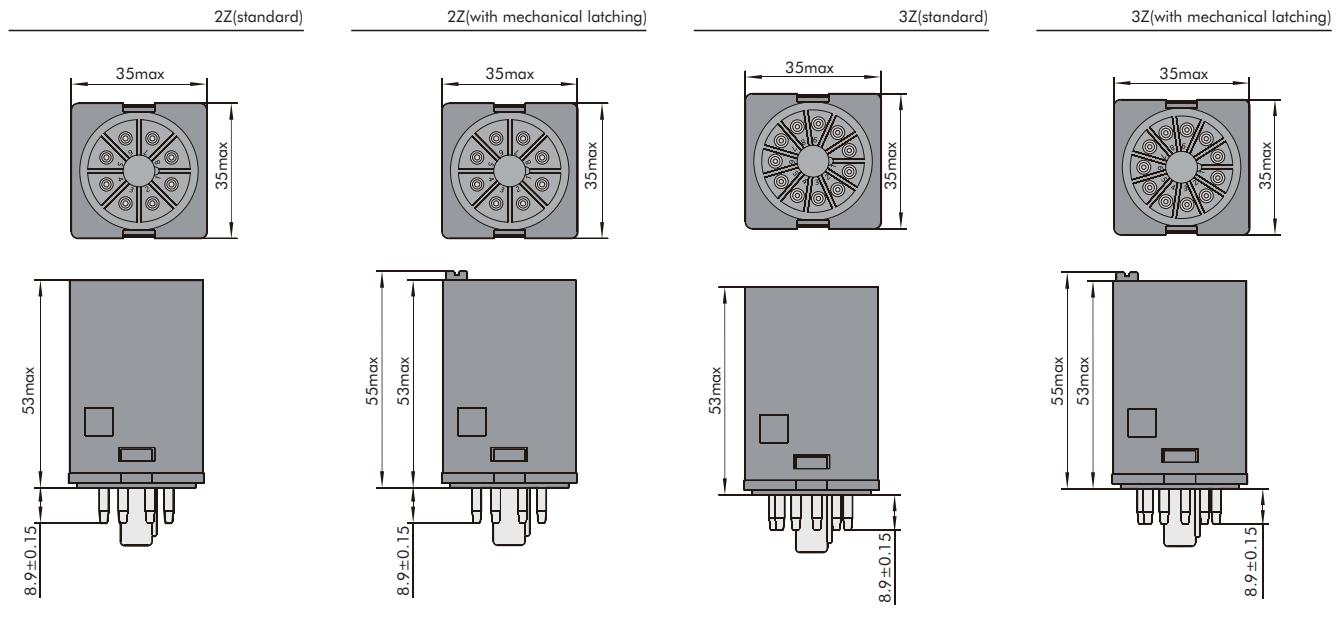
CZF08A-E

CZF11A

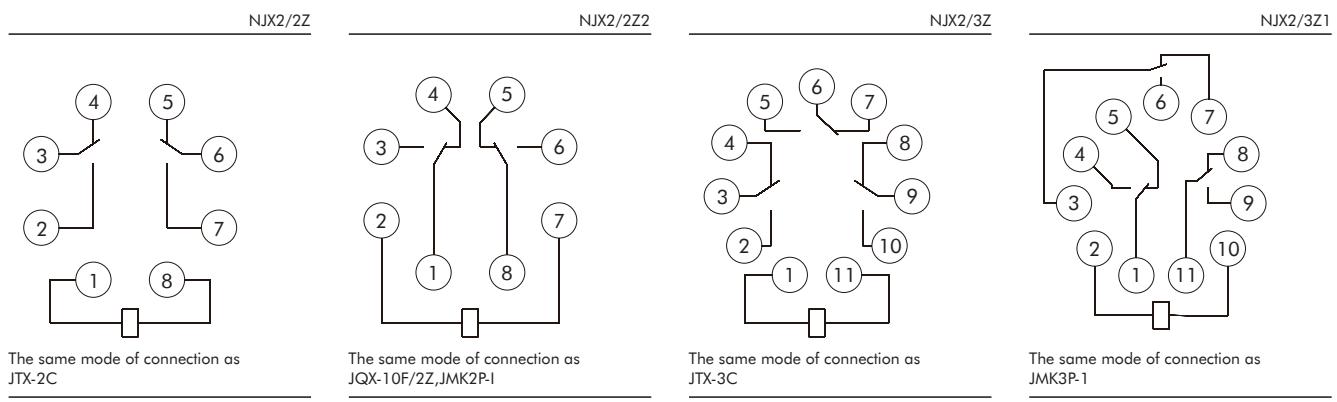
CZF11A-E

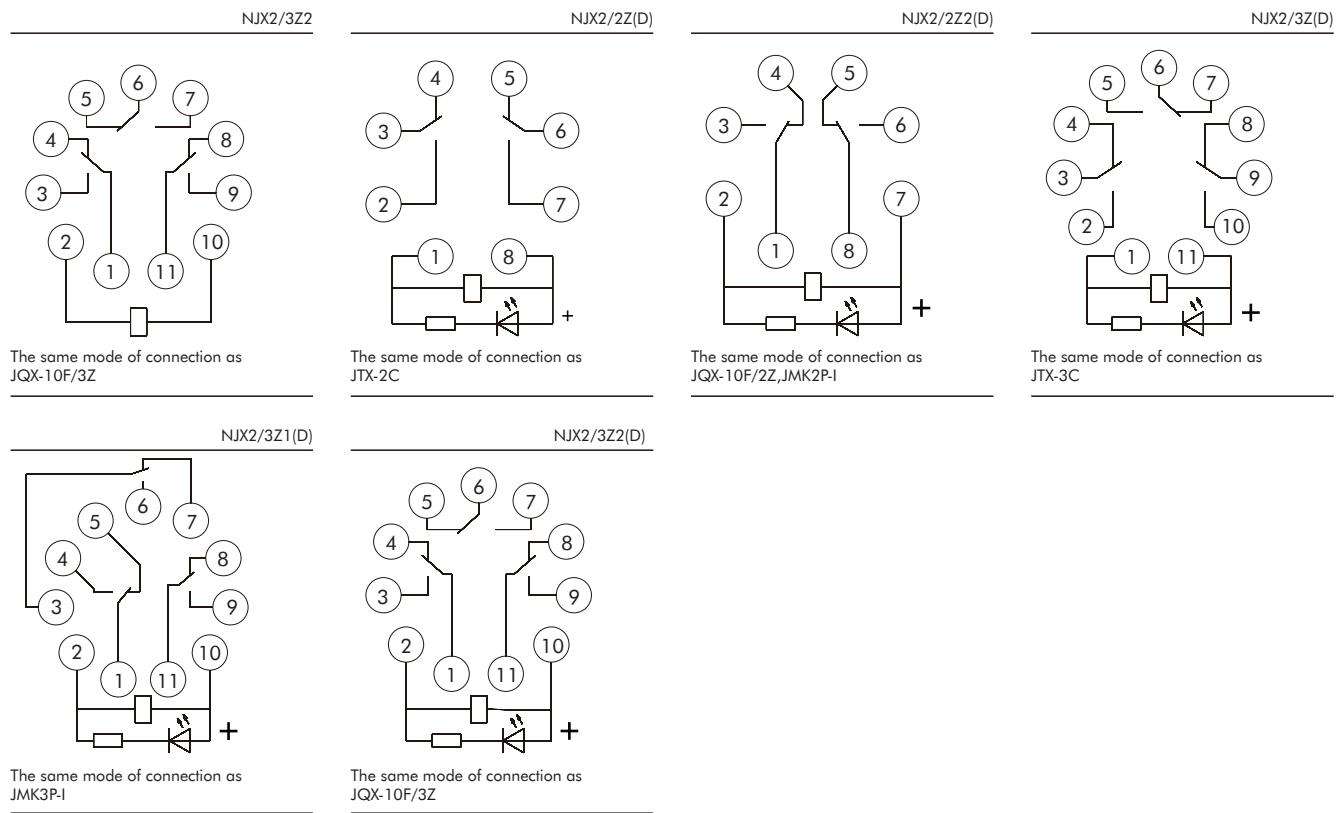


## 5 Outline and Installing Dimensions

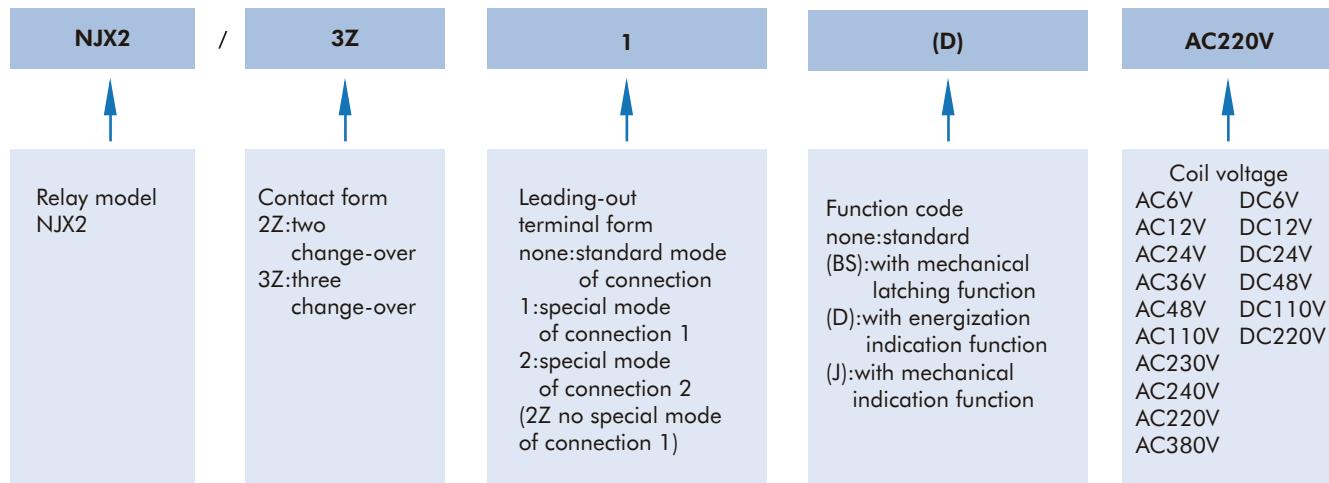


## 6. Connection Diagram





## 7. Ordering Information



NJX2/2Z2(BS) (D) (J) AC220V means relay rated control coil voltage is AC220V, the contact form is 2Z change-over, the mode of connection of leading-out terminal is special mode of connection 2, with mechanical latching, energization indication and mechanical indication functions.