



NJX2 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)	1×10^5
Mechanical life(cycles)	1×10^7

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 ² ,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

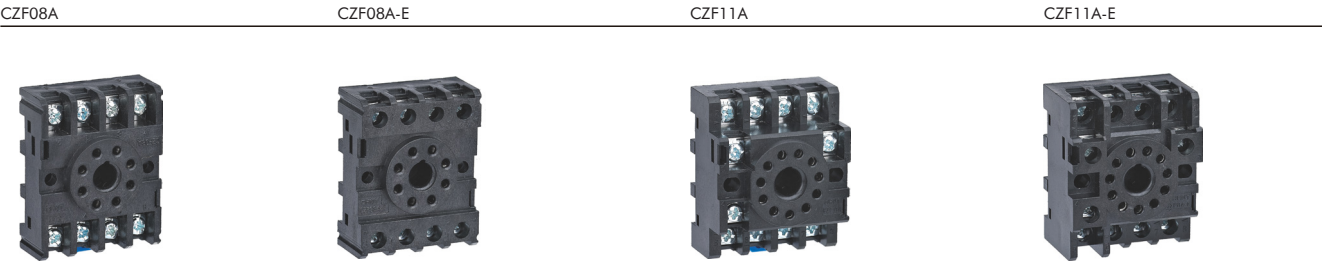
Rated voltage VDC	Pull-in voltage VDC(≤)	Release voltage VDC(≥)	Coil resistance Ω
6	4.8	0.6	$22 \times (1 \pm 10\%)$
12	9.6	1.2	$80 \times (1 \pm 10\%)$
24	19.2	2.4	$360 \times (1 \pm 10\%)$
48	38.4	4.8	$1440 \times (1 \pm 15\%)$
110	88	11	$7560 \times (1 \pm 15\%)$
220	176	22	$29000 \times (1 \pm 15\%)$

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	$21000 \times (1 \pm 15\%)$

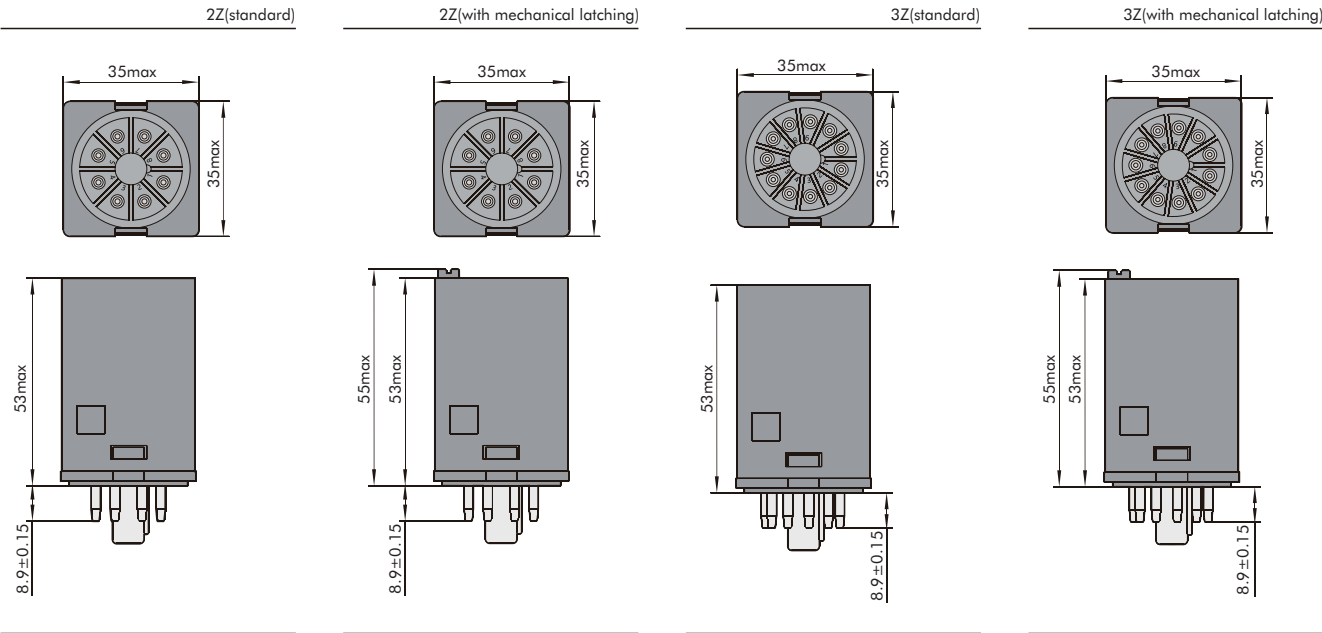
Note: The coil temperature parameter is value in 25 °C

4. Matching Sockets (optional)

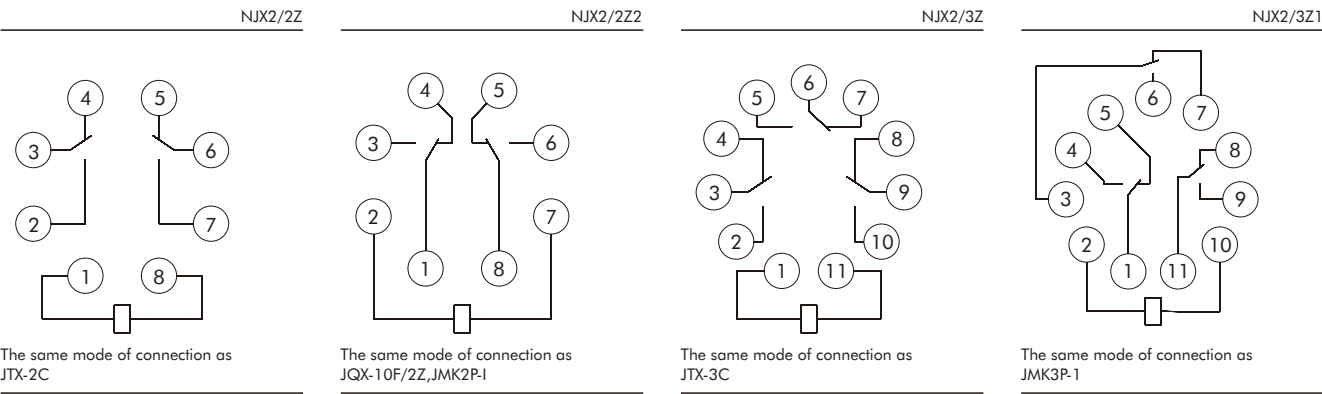
Relay model	NJX2/2Z	NJX2/2Z2	NJX2/3Z	NJX2/3Z1	NJX2/3Z2
Matching socket model	CZF08A	CZF08A-E	CZF11A		CZF11A-E
Socket overall dimensions(mm)	52×41×21.5		52×44×31		
Socket lead form	Screw type terminal				



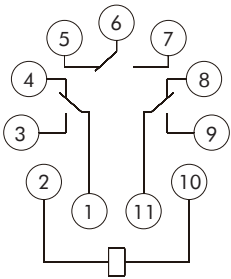
5 Outline and Installing Dimensions



6. Connection Diagram

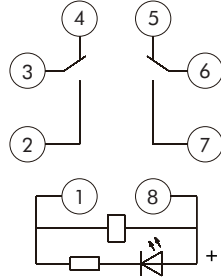


NJX2/3Z2



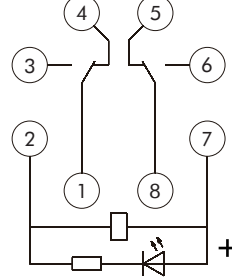
The same mode of connection as JQX-10F/3Z

NJX2/2Z(D)



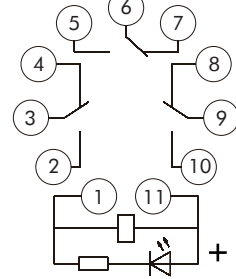
The same mode of connection as JTX-2C

NJX2/2Z2(D)



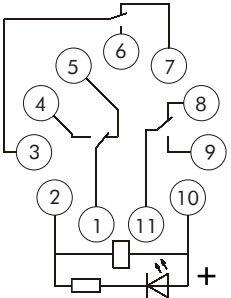
The same mode of connection as JQX-10F/2Z,JMK2P-I

NJX2/3Z(D)



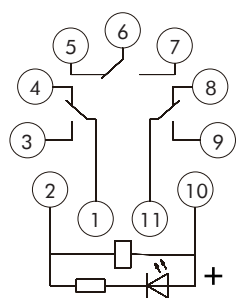
The same mode of connection as JTX-3C

NJX2/3Z1(D)



The same mode of connection as JMK3P-I

NJX2/3Z2(D)



The same mode of connection as JQX-10F/3Z

7. Ordering Information

NJX2	/	3Z	1	(D)	AC220V
Relay model NJX2		Contact form 2Z:two change-over 3Z:three change-over	Leading-out terminal form none:standard mode of connection 1:special mode of connection 1 2:special mode of connection 2 (2Z no special mode of connection 1)	Function code none:standard (BS):with mechanical latching function (D):with energization indication function (J):with mechanical indication function	Coil voltage AC6V DC6V AC12V DC12V AC24V DC24V AC36V DC48V AC48V DC110V AC110V DC220V AC230V AC240V AC220V AC380V

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.