



NJDC-12

Small Electromagnetic Relay with Test Button

1. General

2Z, 3Z contacts form; contacts switching current up to 10A; complete AC and DC specifications; with test button functions, A wide range of device socket are available.

2. Operating conditions

Temperature Range	-25℃ ~+55℃
Relative humidity	+25℃ Reach95%
Atmospheric pressure	86kPa~106kPa
Working position	Upright or side mounted(reed at 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,10A/30VDC
Maximum switching voltage	250VAC/30VDC
Maximum switching current	10A
Maximum switching power	2500VAC 300W
Electrical life(times)	1×10 ⁵ (See safety certification report)
Mechanical life(times)	1×10 ⁷

3.2 Performance and characteristic parameter

Insulation Resistance		100MΩ(500VDC)
Dielectric Strength	Contact and coil,between different sets of 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, pulse duration of 11ms
Vibration		Double amplitude of 1 mm(10~55) Hz
Terminal form		Plug-in
Outside dimensions(mm)		35×35×52.5

3.3 Coil parameters

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

3.4 Specifications

Rated voltage VDC	Action voltage VDC(≤)	Release voltage VDC(≥)	Coil resistance $\Omega \pm 10\%$
6	4.8	0.6	22
12	9.6	1.2	80
24	19.2	2.4	360
36	28.8	3.6	840
48	38.4	4.8	1440
110	88.0	11.0	7560
220	176.0	22.0	29000

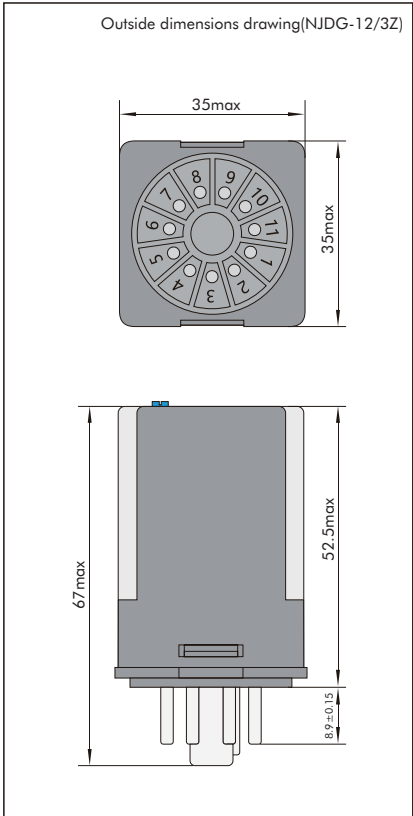
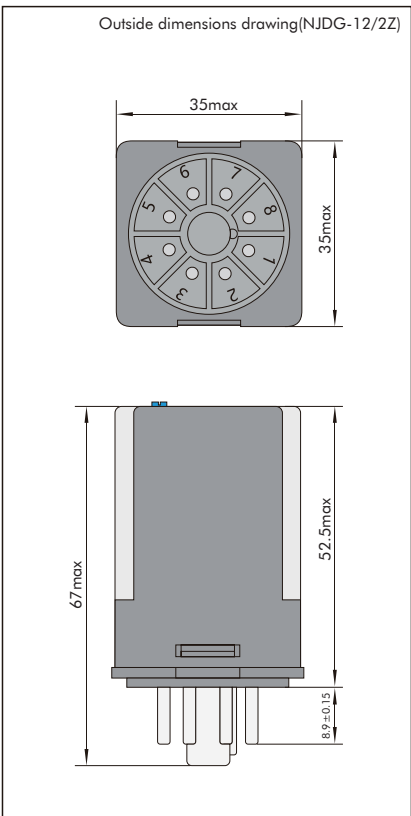
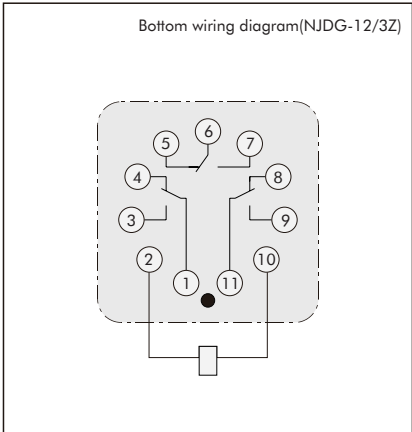
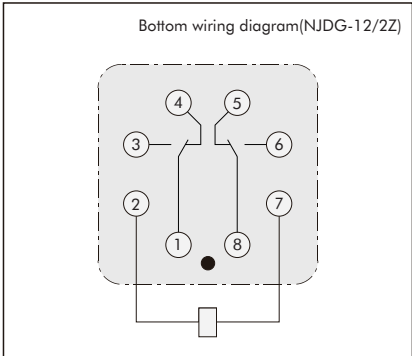
Rated voltage VDC	Action voltage VDC(≤)	Release voltage VDC(≥)	Coil resistance $\Omega \pm 10\%$
6	4.8	1.2	7
12	9.6	2.4	19
24	19.2	4.8	80
48	38.4	9.6	400
110	88.0	22	1600
220	176.0	44	7300
380	304.0	76	21000

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

4. Matching socket (optional)

Relay Model	NJDC-12/2Z	
Model of equipped socket	CZF08A	CZF08A-E
Socket Dimensions(mm)	52×41×21.5	52×41×21.5
Socket lead form	Screw-type terminals(device type, Din-rail type)	
Relay Mode	NJDC-12/3Z	
Model of equipped socket	CZF11A	CZF11A-E
Socket Dimensions(mm)	52×44×31	52×44×31
Socket lead form	Screw-type terminals (device type, Din-rail type)	

5. Outside shape and mounting dimensions



6. Ordering Information

NJDC-12	/	2Z	006	VDC
Relay Model		Contact form 2Z:two sets of conversion 3ZS:three sets of conversion	Coil rated voltage DC(5~220)V AC(6~380)V	VAC:AC VDC:DC