



NJDC-17 Small Electromagnetic Relay with Test Button

1. General

2Z,2ZS, 3ZS, 4ZS contact forms; with self-locking test button; transparent dust cover package, diverse mounting modes available; equipped with a variety of sockets options; optional with the specifications of the status indicator.



2. Operating conditions

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

3. Technical data

3.1 Contact parameters

Contact form	2Z(C),2ZS(C),3ZS(C),4ZS(C)
Initial contact resistance	100mQ
Contact Material	Ag alloy
Contact load(COS ϕ =1.0)	2Z:10A;2ZS,3ZS:5A;4ZS:3A(220VAC/30VDC)
Maximum switching voltage	250VAC/30 VDC
Maximum switching current	2Z:10A;2ZS,3ZS:5A;4ZS:3A
Maximum switching power	2Z:2500VA/300W 2ZS,3ZS:1250VA/150W 4ZS:750VA/90W
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	1500VAC
	Between open contacts	500VAC
Action time		≤25ms
Release time		≤25ms
Shock(stability)		Acceleration 100m/s ² , pulse duration of 11ms
Vibration		Double amplitude of 1 mm(10~55)
Terminal form		Hz Plug-in, PCB
Outside dimensions(mm)		27.5×21.5×35.5

3.3 Coil parameters

Rated power consumption	0.9W 1.8VA
Pull-in voltage	DC: ≤80% rated voltage; AC: ≤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 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 VDC	Action voltage VDC(≤)	Release Voltage VDC(≥)	Coil resistance ± 10%
6	4.8	1.2	10.5
12	9.6	2.4	44
24	19.2	4.8	160
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

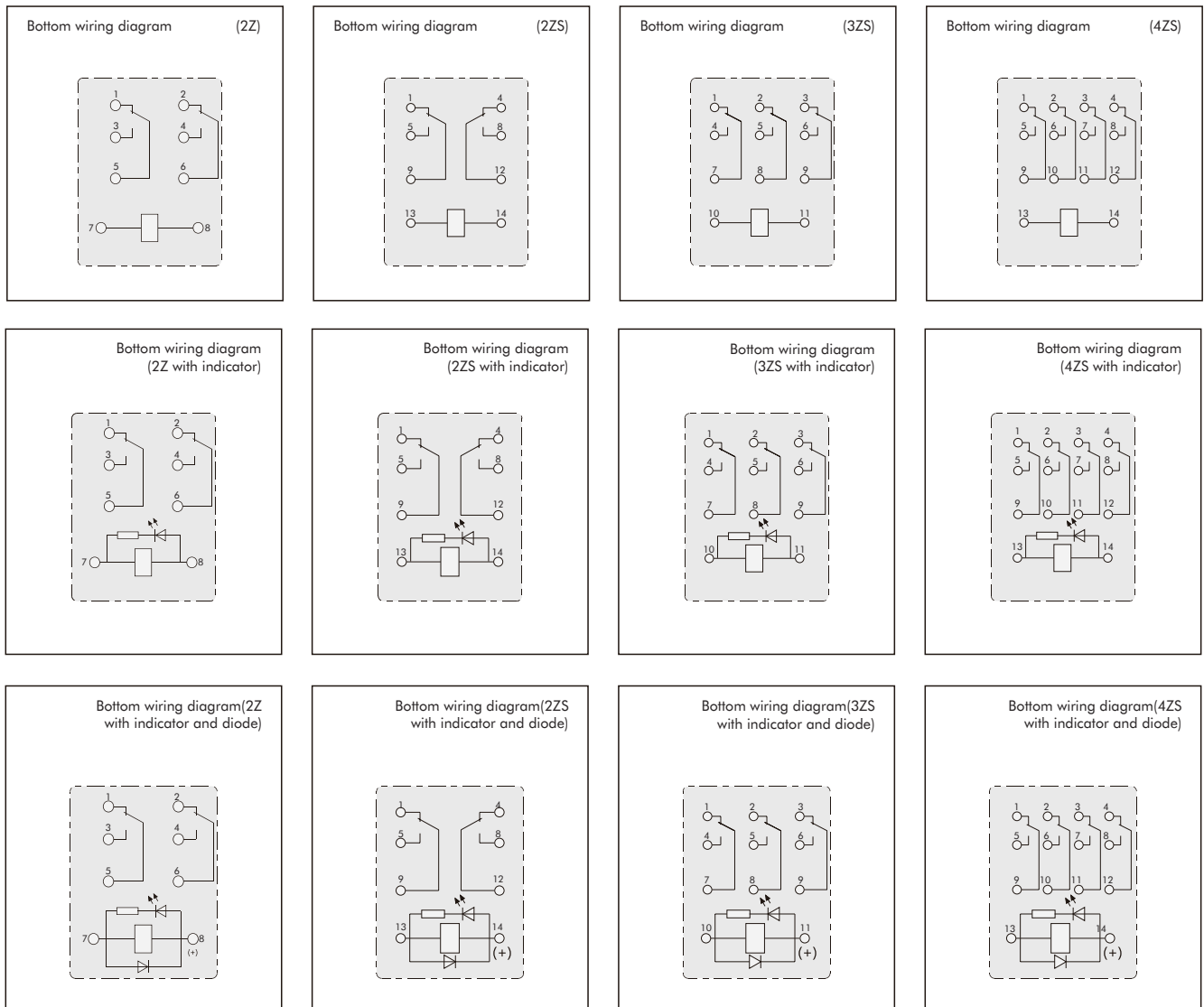
Note: The coil parameters are the values of coil temperature at 25°C

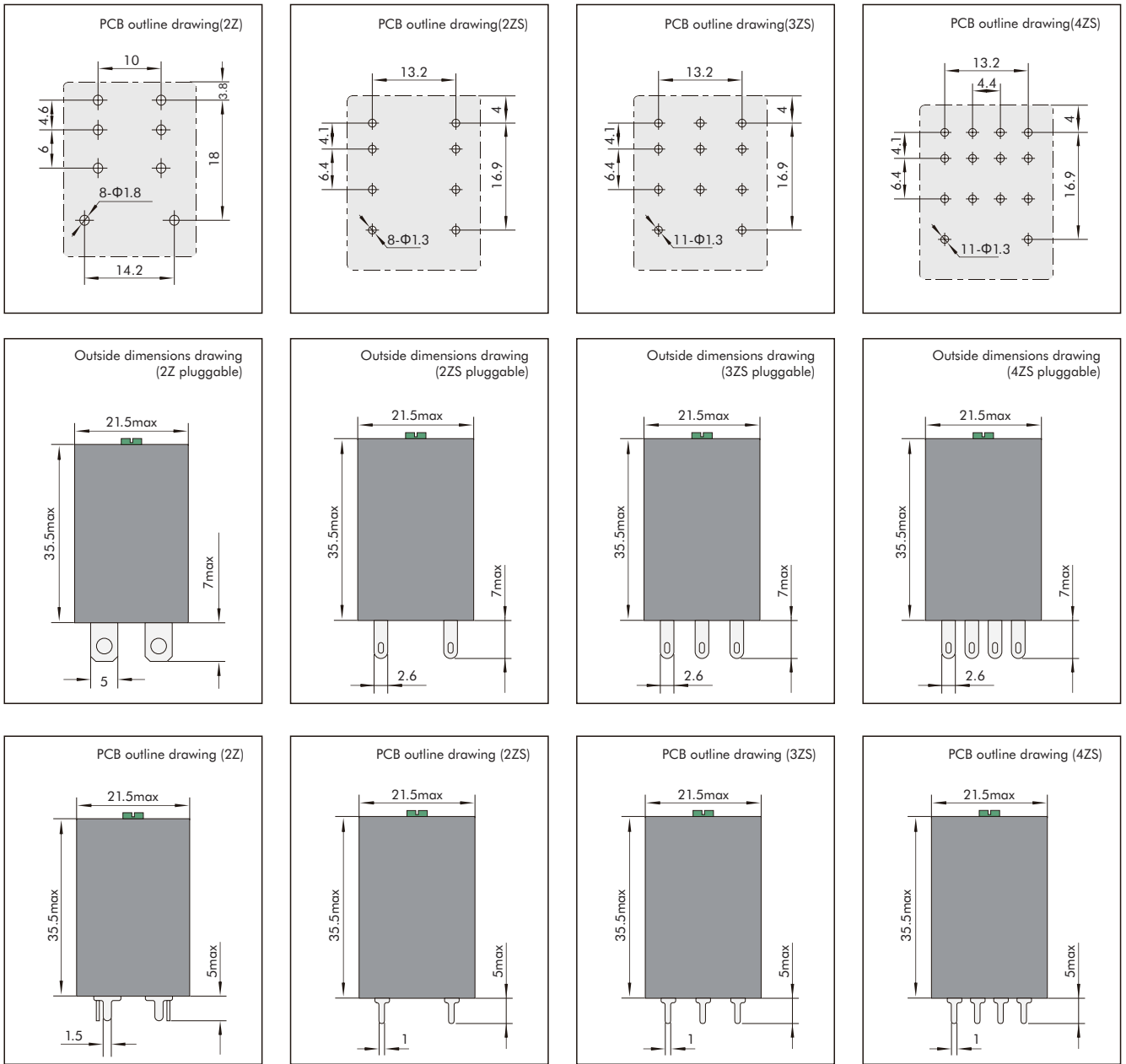
4. Other

Supporting socket (alternative)

Relay Model NJDC-17(D)/2Z			
Model of equipped socket	CZT08A-E	CZT08A-02	CZT08B-01
Socket Dimensions(mm)	79×29×33	72×23×31	68×30×28
Socket lead form	Screw-type terminals (device type,Din rail type)		
Relay Mode NJDC-17(D)/2ZS			
Model of equipped socket	CZY08A-E	CZY08B-01	
Socket Dimensions(mm)	72×23×31	63×30.5×26	
Socket lead form I	Screw-type terminals(device type,Din rail type)		
Relay Mode NJDC-17(D)/3ZS			
Model of equipped socket	CZY11A-E	CZY11B	
Socket Dimensions(mm)	72×30×31	63×30.5×26	
Socket lead form I	Screw-type terminals(device type,Din rail type)		
Relay Mode NJDC-17(D)/4ZS			
Model of equipped socket	CZY14A-E	CZY14B	CZY14B-E
Socket Dimensions(mm)	72×30×31	63×30.5×26	63×30.5×26
Socket lead form I	Screw-type terminals (device type,Din rail type)		

5. Outside shape and mounting dimensions





6 Ordering Information

NJDC-17	(D)	/	2Z	AC220V	1
Relay Model	D:with status indicator B:with status indicator And surge suppression(DC) M:with arc shield (Used for 4ZS specifications) Blank:standard		Contact form 2Z:two sets of conversion(2C) 2ZS:two sets of conversion(2C) 3ZS:three sets of conversion(3C) 4ZS:four sets of conversion(4C)	Coil voltage DC: 5V,6V,12V,24V,36V,48V, 110V,127V,220V; AC: 6V,12V,24V,36V,48V,110V, 127V,220V,380V	Terminal form 1:PCB type 6 or omitted:Plug-in