



## NJX-13FW Miniature Power Relay

### 1. General

- 1.1 3A, 5A, 10A switching capacity
- 1.2 Wide range of coil ratings
- 1.3 Fully sealed
- 1.4 Certificate: CE, UL

### 2. Type designation

NJX-13FW (D) / 006 - 2Z 1 1

Installation:  
 1=top flange type;  
 2=lateral flange type;  
 blank=standard type

Termination: 1=PCB 6=Plug-in

Contact arrangement:  
 2Z=2C(10A); 2ZS=2C(5A);  
 3ZS=3C; 4ZS=4C

Coil type: ~ = AC; - = DC

Coil voltage : DC: 5V~220V;  
 AC: 6V~380V

Type:  
 D=with LED indicator;  
 B=With LED indicator and surge withstand(DC);  
 M=With arc suppression cover (only 4C);  
 Blank=Standard

Series

### 3. Technical data

Contact Arrangement		2Z	2ZS	3ZS	4ZS
Initial contact resistance	mΩ	100			
Contact material	Ag alloy				
Rated load (resistive)	A (220VAC/28VDC)	10	5	5	3
Max. switching voltage	VAC	250			
	VDC	125			
Max. switching current	A	10	5	5	3
Max. switching power	VA	2200	1100	1100	660
	W	280	140	140	84
Electrical endurance	Cycles	3×10 <sup>6</sup>			
Machanical endurance	Cycles	1×10 <sup>7</sup>			

### 4. Coil specification

AC

Rated voltage	Holding voltage	Must drop-out voltage	Operating range	Power consumption
6	≤80%Ue	≥20%Ue	(80%~110%) Ue	1.8VA
12				
24				
36				
48				
110				
127				
220				
230				
380				

DC

Rated voltage	Holding voltage	Must drop-out voltage	Operating range	Power consumption
5	≤75%Ue	≥10%Ue	(75%~110%) Ue	0.9W
6				
12				
24				
36				
48				
110				
127				
220				

### 5. Characteristics

Insulation resistance(at 500VDC)		MΩ	100
Dielectric strength	Between coil & contacts		1500VAC
	Between open contacts		500VAC
Operation time		ms	≤25
Release time		ms	≤25
Shock resistance		m/s <sup>2</sup>	100
Vibration			(10 ~ 55)Hz,1mm double amplitude
Ambient temperature range		°C	-25 ~ +55
Termination			Plug-in, PCB
Dimension		mm	27.5×21.5×35.5

### 6. Overall and mounting dimensions (mm)

Internal connection	2Z	2ZS	3ZS	4ZS
Standard type				
with indicator				
with indicator and diode				
PCB mounting holes				



Dimensions	2Z	2ZS	3ZS	4ZS
Plug-in type				
PCB type				
Installation	2Z	2ZS	3ZS	4ZS
Top flange type				
Lateral flange type				