



# NJX3 Small-scale Electromagnetic Relay

## 1. Scope of application

1.1 Three contact forms, namely 1Z, 2Z and 3Z; it has the characteristics of small size, low power dissipation, big load capacity, and high reliability. It's extensively used in the HVAC industry for the control of industrial equipment such as condenser, compressor and air-conditioning. It needs no socket and realizes wire connection using quick-connect terminals, which is flexible and convenient.

1.2 Certificate: UL, CE.

## 2. Working conditions

<b>Temperature Range</b>	<b>-45°C ~ +65°C</b>
Relative humidity	Reaching 95% at +25°C
Atmospheric pressure	86kPa~106kPa
Service position	Optional

## 3. Major parameters and technical performance

### 3.1 Contact parameters

<b>Contact form</b>	<b>1Z,2Z,3Z</b>		
Initial contact resistance	100mΩ		
Contact material	Silver alloy		
<b>Contact Ratings</b>	<b>Electrical Operating Cycles</b>	<b>Load Type</b>	<b>Surrounding Air Temperature (SAT)/Ambient (°C)</b>
<b>Rated Voltage/ Rated Current</b>			
277VAC/15A	100000	Resistive	SAT 65
230VAC/1HP	6000	HP	SAT 65
600VAC/6.8A	6000	GP	SAT 65
28VDC/10A	100000	Resistive	SAT 65
Mechanical endurance	2 million times		

### 3.2 Performance and characteristic parameters

<b>Insulation resistance</b>	<b>1000MΩ(500VDC)</b>
Dielectric withstand voltage	Between contact coils:2200VAC Between break contacts:800VAC
Operate time (25°C ,rated voltage)	≤15ms
Release time (25°C ,rated voltage)	≤15ms
Shock(stability)	Acceleration 100m/s <sup>2</sup> Pulse duration 11ms
Vibration	Double-amplitude 1mm,10~55Hz
Leading-out terminal form	Quick-connect terminal
Overall dimension(mm)	64.3×34.5×57.2

### 3.3 Coil parameters

<b>Pull-in voltage</b>	<b>≤85% rated voltage</b>
Release voltage	≥20% rated voltage
Peak voltage	110% rated voltage

3.3 Coil parameters

Rated voltage VAC	Operate voltage ≤VAC	Release voltage ≥VAC	Coil resistance Ω
24	20.4	4.8	42×(1±10%)

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

4. Overall and installation dimension

