



Industrial & Electrical Components

General Purpose Power Relay

Part No.

NNC68BZL-4Z



- General purpose power relay
- For plug-in socket,35mm DIN rail
- With Rotary Lock Mechanism
- LED indication

CONTACT

Arrangement	4Z,4H,4D
Contact Material	Silver Alloy
Contact Resistive (6VDC,1A)	Max.: 100 mΩ
Rating	
Resistive load (cosφ=1)	5A 240VAC/28VDC
Max. Switching Current	5A
Max. Switching Voltage	240VAC/28VDC
Max. Switching Power	1200VA / 140W
Expected life	
Mechanical (At no load,300 ops/minute)	1×10 ⁷
Electrical (Resistive load,15 ops/minute)	1×10 ⁵

CHARACTERISTICS

Operate Time	25msec. Max.
Release Time	25msec. Max.
Dielectric Strengths(Leak Current 1 mA)	
Between Coil & Contact	1500VAC for 1 min.
Between Open Contacts	1000VAC for 1 min.
Insulation Resistance	Min.100MΩ
Shock: Endurance	980m/s ²
Error Operation	98m/s ²
Vibration: Endurance	10 to 55Hz, 1.0mm D.A.
Error Operation	10 to 55Hz, 1.0mm D.A.
Ambient temperature	-40°C ~ +85°C
Humidity	45%~85%RH
Unit weight	35g

ORDERING INFORMATION

e.g

NNC68BZL - 4Z - DC12V

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① Part No.: Z=With Rotary Lock Mechanism

L = LED indication

② Contact arrangement:

4Z=4C/O;

③ Coil Voltage: DC12V=12VDC

COIL DATA (at 23°C)

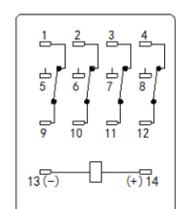
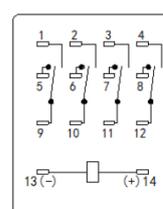
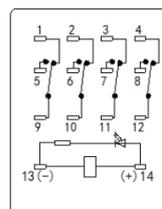
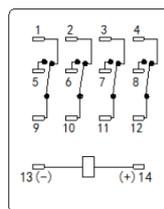
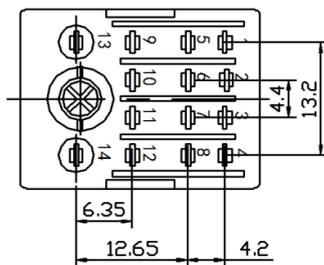
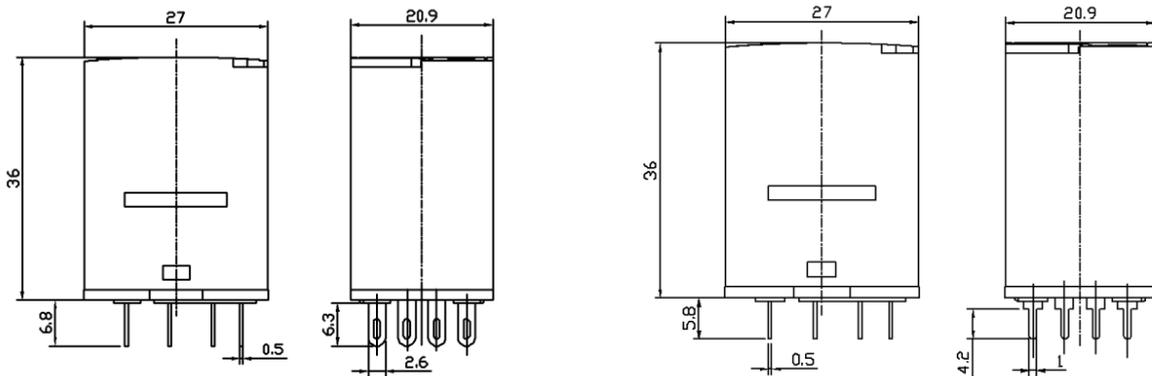
Rated Voltage	Pick-up Voltage VDC (Max)	Drop-out Voltage VDC (Min)	Coil Resistance (Ω) ± 10%	Nominal operating Power	Max.Allowable Voltage (V)
12VDC	9.00	1.20	160.00	0.9W	110% of nominal voltage
24VDC	18.00	2.40	640.00		
48VDC	36.00	4.80	2560.00		
110VDC	82.50	11.00	13400.00		
220VDC	165.00	22.00	53777.00		
12VAC	9.60	3.60	42.00	1.2VA	
24VAC	19.20	7.20	168.00		
48VAC	38.40	14.40	672.00		
110VAC	88.00	33.00	3529.00		
220VAC	176.00	66.00	18021.00	0.94VA	
230VAC	184.00	69.00	18021.00	1.0VA	

DIMENSIONS

Unit: mm

4PDT(Plug-in version)

4PDT(PCB version)



4Z

4Z(with LED)

4H

4D

Disclaimer:

The specifications in this datasheet are for reference only and subject to change without notice.No chance for us to evaluate all the specifications and technical parameters for each possible application.The users will take the responsibility to choose the correct products for their own applications. While if any technical support is needed, please contact NCR team for assistance.