

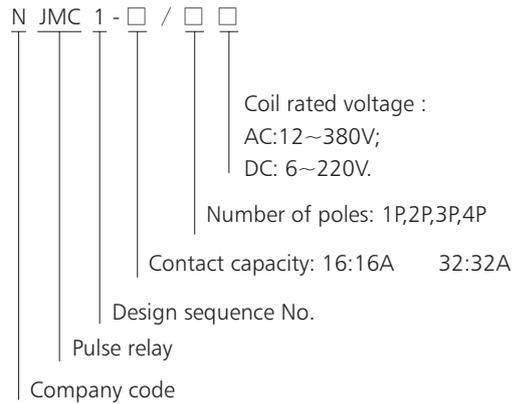


NJMC1 pulse relay

1. General

Contact switching current of up to 16A and 32A; a complete range of AC/DC specifications; in conformity with GB/T 21711.1; NJMC1 pulse relay is a mechanical bistable relay that changes the contact state by inputting pulse signals. Therefore, in comparison with common relays which remain on when the armature is closed, pulse relay features a low power consumption.

2. Type designation



3. Normal operating conditions and mounting conditions

Temperature range	-25°C~+55°C
Pollution degree	1
Mounting position	Any
Environmental protection category	Dustproof type
Overvoltage category	II

4. Technical data

4.1 Contact data

Contact form	1P, 2P, 3P, 4P	
Initial contact resistance	100mΩ	
Contact material	Silver alloy	
Contact load (resistive)	NJMC1-16:16A 250VC/28VDC	NJMC1-32:32A 250VC/28VDC
Max. switching voltage	250VAC/125VDC	
Max. switching current	NJMC1-16:16A	NJMC1-32:8000VA 896W
Max. switching power	NJMC1-16:4000VA 448W	
Electrical life (times)	1×10 ⁵	
Mechanical life (times)	1×10 ⁶	

4.2 Specification data

Coil rated voltage VDC	Coil resistance (20°C)Ω ±10%
6	6
12	24
24	95
48	380
110	2000
127	2660
220	8000

Coil rated voltage VDC	Coil resistance (20°C)Ω ±10%
12	6
24	24
48	95
130	700
220	2000
230	2185
240	2380
380	6000

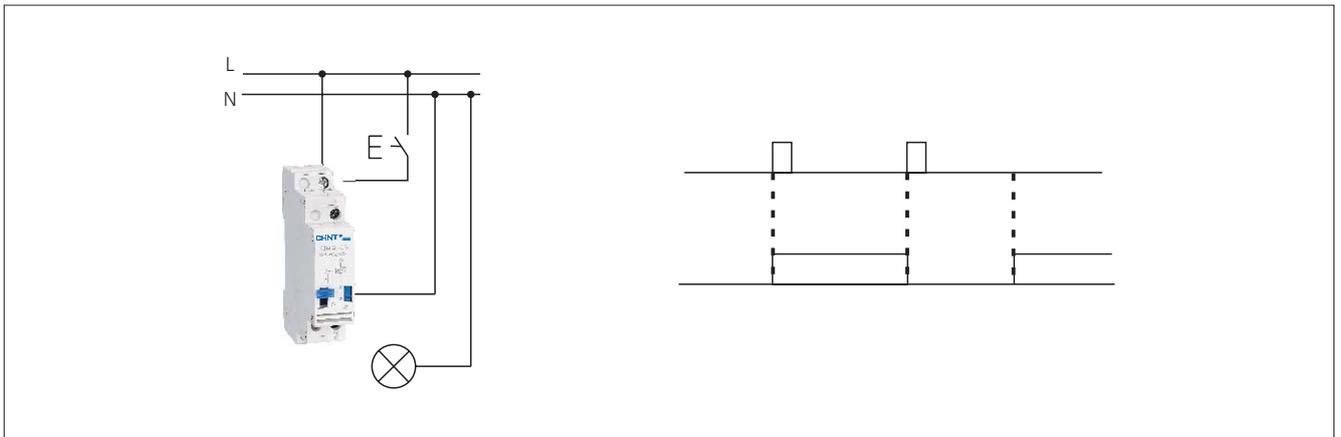
4.3 Characteristics data

Insulation resistance	100MΩ(500VDC)	
Dielectric strength	Between contact & coil	4000VDC
	Between open contacts	1500VDC
Operation time	≤20ms	
Shock (resistance)	Acceleration: 100m/s ² , pulse duration: 11ms	
Vibration	1mm double amplitude, 10~55Hz	
Mounting type	Rail type	
Overall dimensions (mm)	86×70	

4.4 Coil data

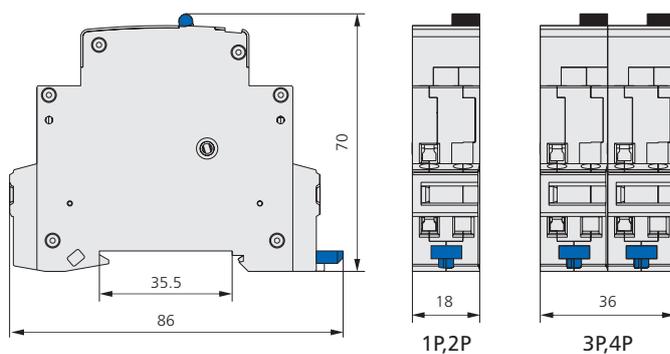
Pulse voltage duration	≥50ms (200ms is recommended)
Voltage range	85%~110%

5. Wiring diagram



6. Overall and mounting dimensions (mm)

NJMC1-16



NJMC1-32

