

NJMC1 Series Pulse Relays

1. General

Contact switching current of up to 16A and 32A; a complete range of AC/DC specifications; NJMC1 pulse relay is a mechanical bistable relay that changes the contact state by inputting pulse signals.

2. Normal operating conditions and mounting conditions

2.1 Contact parameters

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

3. Technical data

3.1 Contact data

Contact form	**1P,2P,3P,4P**	
Contact material	Silver alloy	
Contact load(resistive)	NJMC1-16:16A 250VC	NJMC1-32:32A 250VC
Max. switching voltage	250VAC	
Max. switching current	NJMC1-16:16A	NJMC1-32:32A
Max. switching power	NJMC1-16:4000VA	NJMC1-32:8000VA
Electrical life(times)	1×10^6	5×10^5
Mechanical life(times)	2×10^5	

3.2 Characteristics data

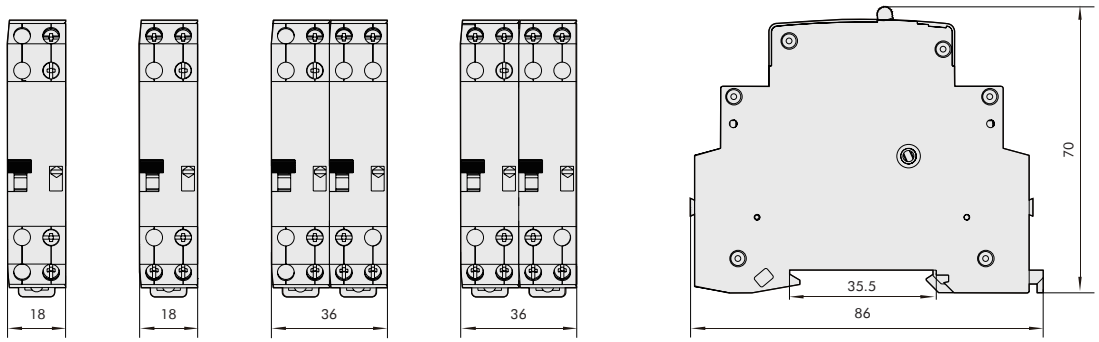
Insulation resistance	**100MΩ(500VDC)**	
Dielectric strength	Between contact & coil	1500VAC
	Between open contacts	1500VAC
Shock(resistance)	Acceleration:100m/s^2,pulse duration:11ms	
Vibration	1mm double amplitude,(10~55)Hz	
Mounting type	Din rail type	
Overall dimensions(mm)	86×70	
Frequency of action	≤ 5 times/min	

3.3 Coil data

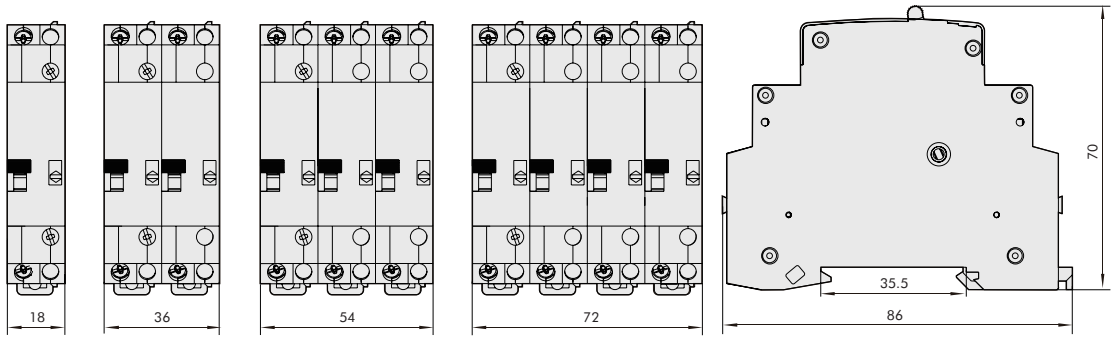
Pulse voltage duration	**≥50ms(200ms is recommended)**
Voltage range	(85%~110%)Us

4. Overall and mounting dimensions (mm)

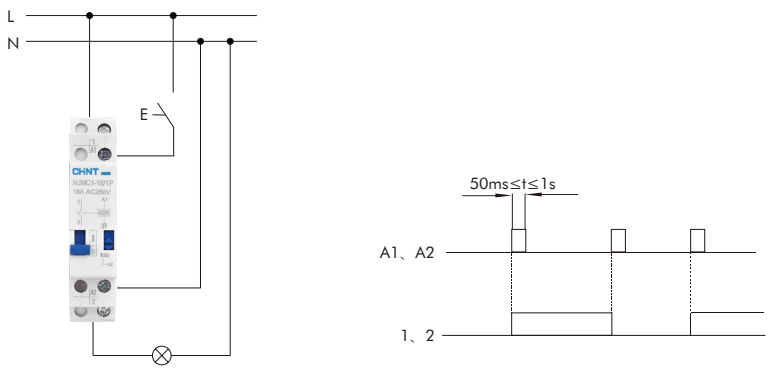
NJMC1-16



NJMC1-32



Connection diagram and sequence chart



Relay model	Coli rated voltage VDC	Coli resistance±10%	Coli rated voltage VAC	Coli resistance±10%
NJMC1-16/1P/2P	6	5	12	5.5
	12	19	24	23.5
	24	75	48	100
	48	300	130	705
	110	1600	220	2100
	127	2100	230	2100
	220	6031	240	2100
			380	6200
NJMC1-16/3P/4P	6	2.5	12	2.75
	12	9.5	24	11.75
	24	37.5	48	50
	48	150	130	352.5
	110	800	220	1050
	127	1050	230	1050
	220	3015.5	240	1050
			380	3100
NJMC1-32/1P	6	5	12	5.5
	12	19	24	23.5
	24	75	48	100
	48	300	130	705
	110	1600	220	1500
	127	2100	230	1500
	220	6031	240	1500
			380	6200
NJMC1-32/2P	6	2.5	12	2.75
	12	9.5	24	11.75
	24	37.5	48	50
	48	150	130	352.5
	110	800	220	750
	127	1050	230	750
	220	3015.5	240	750
			380	3100
NJMC1-32/3P	6	1.67	12	1.83
	12	6.33	24	7.83
	24	25	48	33.33
	48	100	130	235
	110	533.33	220	500
	127	700	230	500
	220	2010.33	240	500
			380	2066.67
NJMC1-32/4P	6	1.25	12	1.375
	12	4.75	24	5.875
	24	18.75	48	25
	48	75	130	176.25
	110	400	220	375
	127	525	230	375
	220	1507.75	240	375
			380	1550

Note:The coli coli temperrature parameter is value in 25 ℃

NJMC1	-	32	/	4P		DC24V
↓		↓		↓		↓
Product Series		**Contact ability**		**Poles**		**Coil voltage**
				1P 2P 3P 4P		AC24V AC48V AC220V AC230V AC240V DC24V DC127V DC220V

Contact ability	Poles	Coil voltage	Model Description	Code
250V/16A	1P	AC24V	NJMC1-16/1P AC24V	215817
250V/16A	1P	AC48V	NJMC1-16/1P AC48V	296579
250V/16A	1P	AC220V	NJMC1-16/1P AC220V	657012
250V/16A	1P	AC230V	NJMC1-16/1P AC230V	657077
250V/16A	1P	AC240V	NJMC1-16/1P AC240V	215816
250V/16A	1P	DC24V	NJMC1-16/1P DC24V	657011
250V/16A	1P	DC127V	NJMC1-16/1P DC127V	657078
250V/16A	1P	DC220V	NJMC1-16/1P DC220V	281274
250V/16A	2P	AC24V	NJMC1-16/2P AC24V	657069
250V/16A	2P	AC220V	NJMC1-16/2P AC220V	657052
250V/16A	2P	AC230V	NJMC1-16/2P AC230V	657053
250V/16A	2P	DC24V	NJMC1-16/2P DC24V	657051
250V/16A	2P	DC220V	NJMC1-16/2P DC220V	281275
250V/16A	3P	AC24V	NJMC1-16/3P AC24V	657070
250V/16A	3P	AC220V	NJMC1-16/3P AC220V	657055
250V/16A	3P	AC230V	NJMC1-16/3P AC230V	657056
250V/16A	3P	DC24V	NJMC1-16/3P DC24V	657054
250V/16A	3P	DC220V	NJMC1-16/3P DC220V	281276
250V/16A	4P	AC24V	NJMC1-16/4P AC24V	657071
250V/16A	4P	AC220V	NJMC1-16/4P AC220V	657058
250V/16A	4P	AC230V	NJMC1-16/4P AC230V	657059
250V/16A	4P	DC24V	NJMC1-16/4P DC24V	657057
250V/16A	4P	DC220V	NJMC1-16/4P DC220V	281277
250V/32A	1P	AC220V	NJMC1-32/1P AC220V	657014
250V/32A	1P	AC230V	NJMC1-32/1P AC230V	657079
250V/32A	1P	DC24V	NJMC1-32/1P DC24V	657013
250V/32A	1P	DC220V	NJMC1-32/1P DC220V	281220
250V/32A	2P	AC24V	NJMC1-32/2P AC24V	657072
250V/32A	2P	AC220V	NJMC1-32/2P AC220V	657061
250V/32A	2P	AC230V	NJMC1-32/2P AC230V	657062
250V/32A	2P	DC24V	NJMC1-32/2P DC24V	657060
250V/32A	2P	DC220V	NJMC1-32/2P DC220V	281221
250V/32A	3P	AC24V	NJMC1-32/3P AC24V	657073
250V/32A	3P	AC220V	NJMC1-32/3P AC220V	657064
250V/32A	3P	AC230V	NJMC1-32/3P AC230V	657065
250V/32A	3P	DC24V	NJMC1-32/3P DC24V	657063
250V/32A	3P	DC220V	NJMC1-32/3P DC220V	281222
250V/32A	4P	AC24V	NJMC1-32/4P AC24V	657074
250V/32A	4P	AC220V	NJMC1-32/4P AC220V	657067
250V/32A	4P	AC230V	NJMC1-32/4P AC230V	657068
250V/32A	4P	DC24V	NJMC1-32/4P DC24V	657066
250V/32A	4P	DC220V	NJMC1-32/4P DC220V	281223