

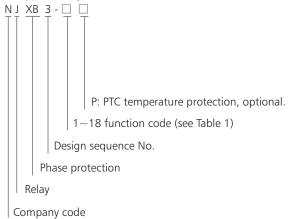


NJXB3 Relay

1. General

NJXB3 relay is used as an overvoltage, undervoltage, phase failure, phase sequence, three-phase voltage unbalance and PTC temperature protection device in three-phase three-wire control circuits with an AC voltage of 380V and a frequency of 50Hz and three-phase four-wire control circuits with an AC voltage of 220V and a frequency of 50Hz to make and break the circuit.

2. Type designation



Protection Relay



Model	Three-ph ase three- wire	Three-ph ase four-wire	Single-phase/ two-phase	Overvol tage protecti on	Undervol tage protecti on	Unbalance protecti on	Phase sequence protecti on	Phase failure protecti on	PTC tem perature protecti on
NJXB3-1	•			•				•	
NJXB3-2	•				•			•	
NJXB3-3				•					
NJXB3-4	•			•	•				
NJXB3-5						Fixed			0
NJXB3-6				Fixed	Fixed				0
NJXB3-7				•		•			0
NJXB3-8	•								•
NJXB3-9									•
NJXB3-10	•							•	
NJXB3-11		•	•	•					
NJXB3-12		•	•		•			•	
NJXB3-13		•	•	•					
NJXB3-14		•		•	•				
NJXB3-15		•		•		Fixed			0
NJXB3-16		•		Fixed	Fixed	•	•	•	0
NJXB3-17		•		•		•	•		0
NJXB3-18		•					•	•	0

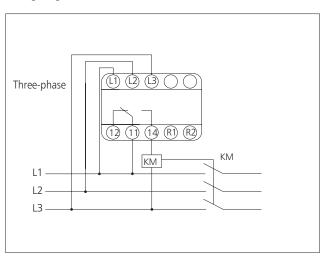
Note: ● denotes available functions, ○ denotes optional functions.

3. Technical data

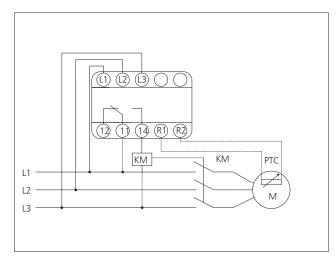
Model	Protection function	Protection operation time	Rated operational voltage	Contact capacity	Contact form	Usage category	Conventional heating current (Ith)	Electrical life	Mechanical life
NJXB3	Overvoltage	0.1s~10s	Three-phase	AC250V 6A $\cos \varphi = 1$ Inductive load:	1 N/O, 1 N/C	AC-15	3A	10 ⁵	10 ⁶
	Undervoltage		three-wire system: AC 380V 50Hz						
	Three-phase voltage unbalance								
	Phase failure, phase sequence	≤1s							
	PTC temperature protection								

4. Wiring diagram

NJXB3-01, NIXB3-02, NJXB3-03, NJXB3-04, NJXB3-10 Wiring diagram



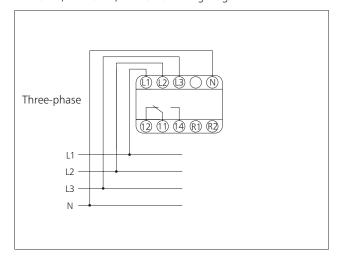
NJXB3-05(P), NJXB3-06(P), NJXB3-07(P), NJXB3-08(P), NJXB3-09 Wiring diagram



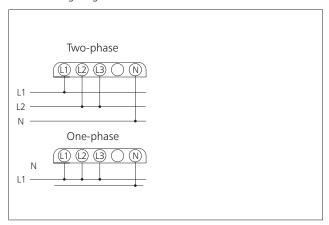
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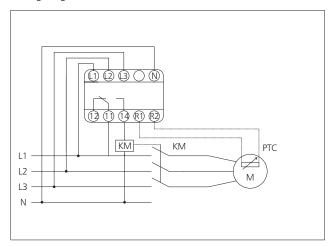
NJXB3-11, NJXB3-12, NJXB3-13 Wiring diagram



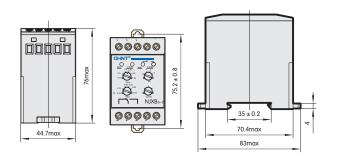
NJXB3 Wiring diagram



NJXB3-14, NJXB3-15(P), NJXB3-16(P), NJXB3-17(P), NJXB3-18 Wiring diagram



5. Overall and mounting dimensions (mm)



6. Installation and use

- 6.1 Connect the wires correctly in accordance with the connection diagram.
- 6.2 If the relay is of rail mounting type, use TH35-7.5 mounting
- $6.3\ \text{If}$ the relay is of installation mounting type, remove the limiter.