

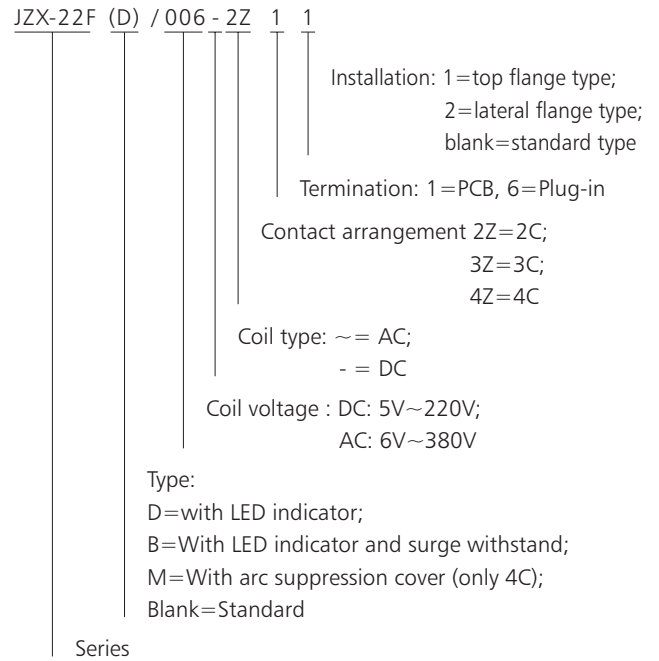


JZX-22F Miniature Power Relay

1. General

- 1.1 3A, 5A switching current
- 1.2 Various sockets available
- 1.3 With indicator to be selected
- 1.4 Full range of AC and DC coil
- 1.5 Certificate: CE.

2. Type designation



3. Technical data

Contact Arrangement		2C	3C	4C
Initial contact resistance	m Ω	100		
Contact material		Silver alloy		
Rated load(resistive)		5A/220VAC	3A/220VAC	
		5A/28VDC	3A/28VDC	
MAX. switching voltage	VAC	250		
	VDC	125		
MAX. switching current	A	5	3	
	VA	1100VA	660VA	
Max. switching capacity	W	140	84	
Electrical endurance	Cycles(× 10 ³)	100		
Machanical endurance	Cycles(× 10 ⁶)	10		

4. Coil specification

AC

Rated voltage	Holding voltage	Must drop-out voltage	Operating range	Power consumption
6	80%Un	20%Un	(80%~110%)Un	1.2VA
12				
24				
36				
48				
110				
127				
220				
230				
380				



DC

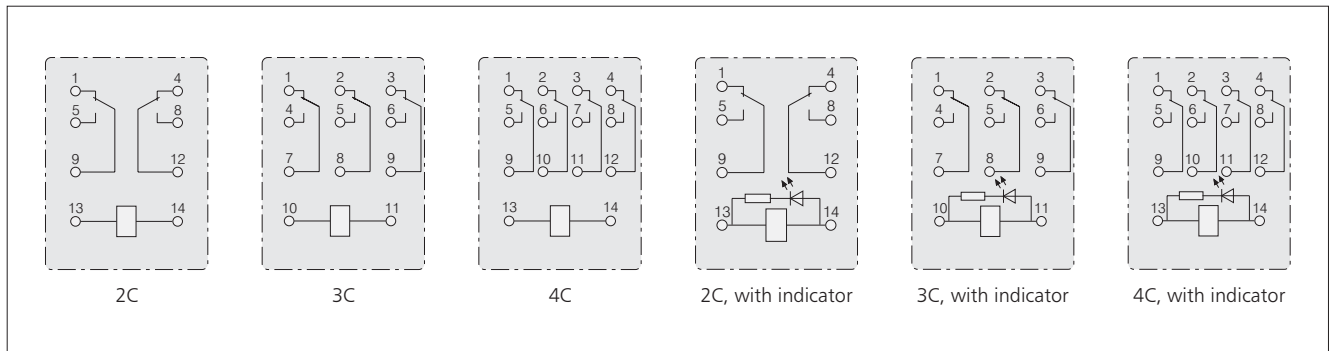
Rated voltage	Holding voltage	Must drop-out voltage	Operating range	Power consumption
5	75%Un	10%Un	(75%~110%) Un	0.9W
6				
12				
24				
36				
48				
110				
127				
220				

5. Characteristics

Insulation resistance(at 500VDC)	MΩ	100
Dielectric strength	Between coil & contacts	1500VAC
	Between open contacts	1000VAC
Operation time	ms	≤25
Release time	ms	≤25
Shock resistance	m/s ²	100
Vibration		10~55Hz, 1mm double amplitude
Humidity		90% RH at +40℃
Ambient temperature range	℃	-30~+55
Termination		Plug-in, PCB
Dimension	mm	27.5×21.5×35.5

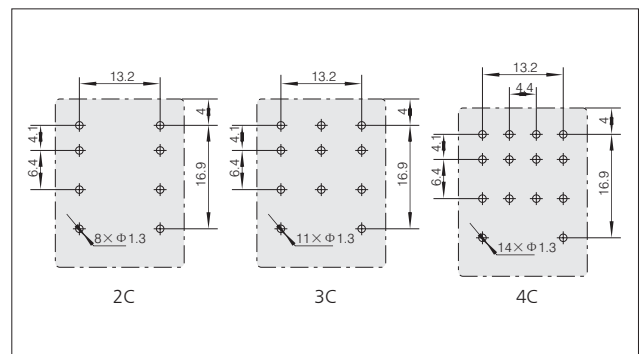
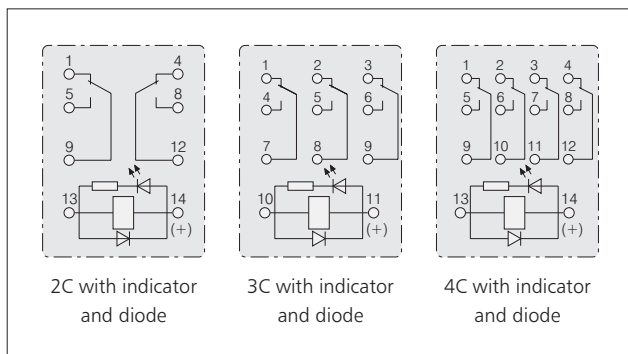
6. Overall mounting dimensions (mm)

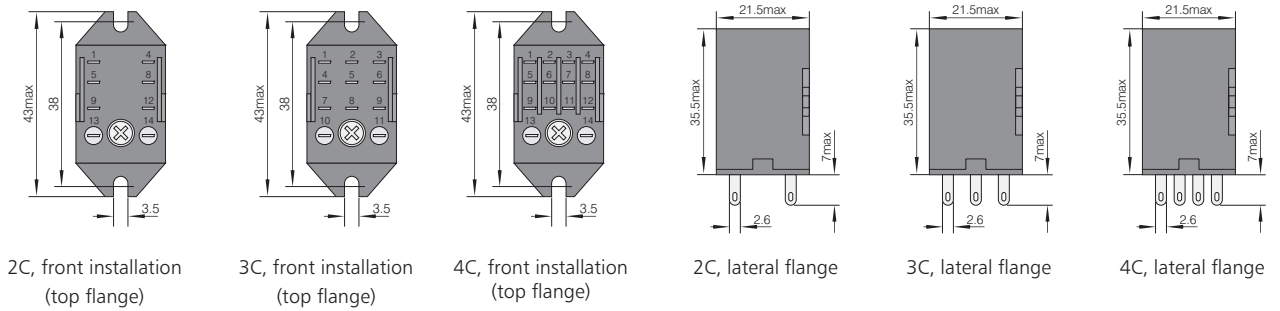
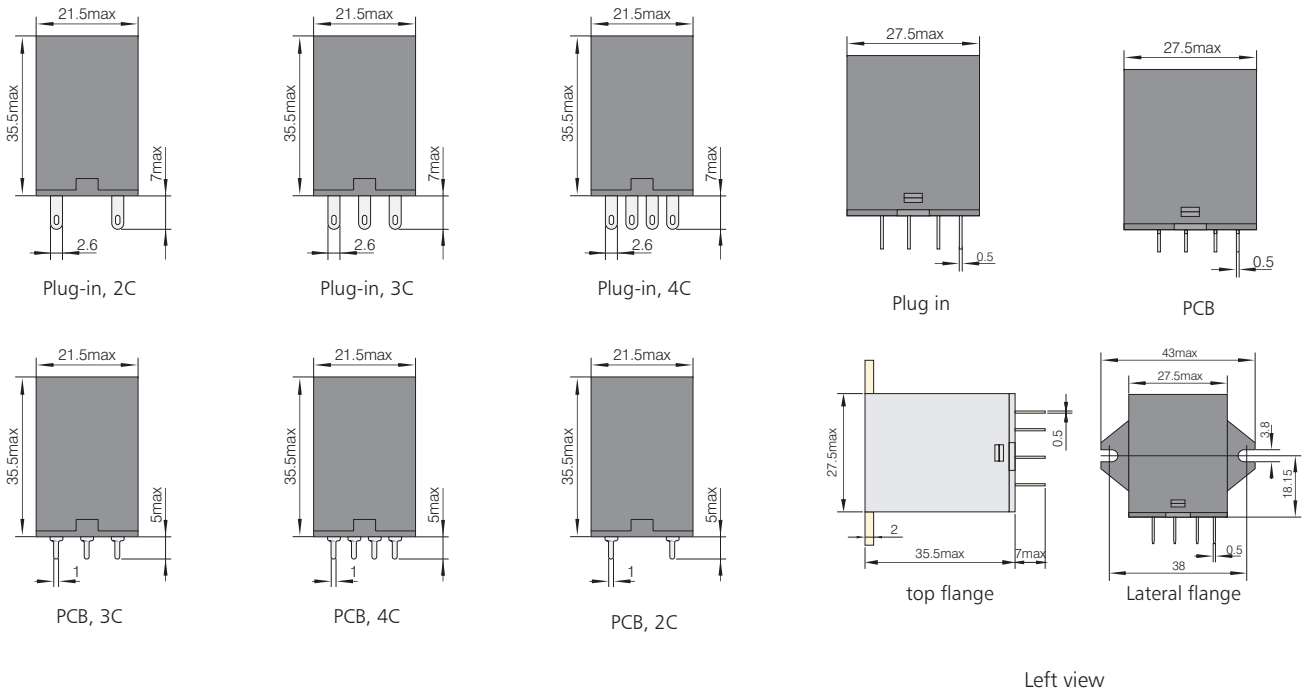
Internal connection(bottom view)



Internal connection(bottom view)

PCB mounting poles





4 Technical data

4.1 Main data and technical characteristics

Type	Conventional heating current (A)	Max. rated power (kW)		Model of matching AC contactor	Model of matching motor protector	Setting current range (A)	Number of turns of protector (turn)
		AC-3					
		380V	220V				
NJBK5-10 0.72A~2.4A	2.4	1.1	0.55	CJX2-1210	JD-8/0.5A~5A	0.72~2.4	5
NJBK5-10D 0.72A~2.4A							
NJBK5-10 3.5A~11A	12	5.5	3	CJX2-1210	JD-8/2A~20A	3.5~11	1
NJBK5-10D 3.5A~11A							
NJBK5-10 10A~16A	16	7.5	4	CJX2-1810	JD-8/2A~20A	10~16	1
NJBK5-10D 10A~16A							
NJBK5-10 20A~25A	25	11	5.5	CJX2-2510	JD-8/20A~80A	20~25	1
NJBK5-10D 20A~25A							

4.2 Rated control supply voltage U_s : AC220V, AC380V.

4.3 Degree of protection of enclosure: IP55.

4.4 Protection characteristics of the controller

4.4.1 Phase failure protection characteristics of the controller: In case of failure of any phase of the three-phase main circuit passing through the center hole of the motor comprehensive protector in the controller, the motor comprehensive protector operates for a period of $\leq 5s$.

4.4.2 Overload protection characteristics of the controller under balanced three-phase load.

No.	Setting current multiple	Operation time			Starting conditions
1	1.05	No operation within 2h			Cold state start
2	1.2	Operation within 2h			Start after No.1
3	1.5	Tripping class	30	$\leq 12min$	Start after applying a 1.0 times setting current for 2h
4	7.2	Tripping class	30	$9s < T_p \leq 30s$	Cold state start

4.5 Down-lead distance of liquid level control electrode: 200m max.

4.6 Mounting type: installation type.

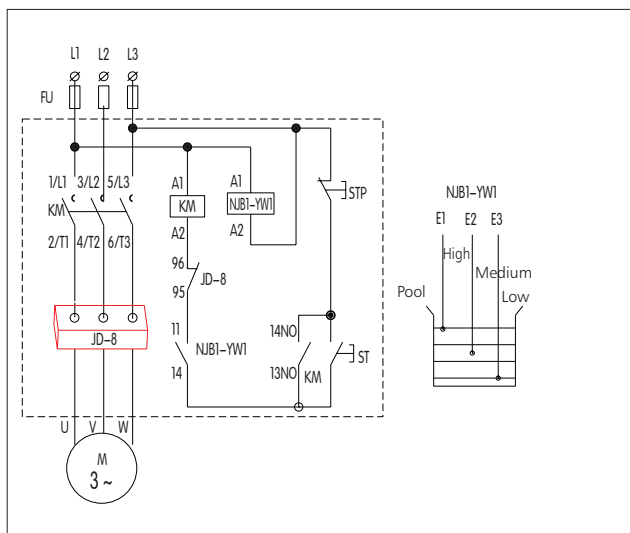
5. Features

The controller consists of a CJX2 series AC contactor, a JD-8 series motor comprehensive protector and an NJB1-YW1 liquid level relay in a protective enclosure and is divided into two types, with liquid level relay and without liquid level relay. Products with liquid level relay are used to control the start and stop and automatic pumping and drainage of water pumps and provide overload and phase failure protection. Products without liquid level relay are used to control the start and stop of motors and provide overload and phase failure protection.

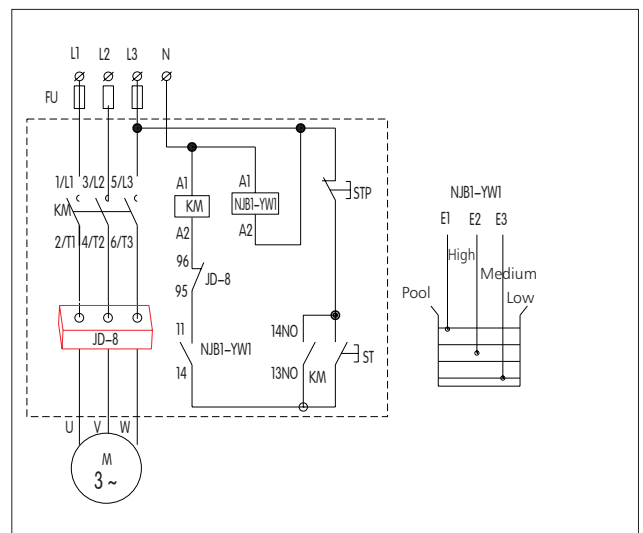
Setting of the motor comprehensive protector in the controller is required before it is connected and put into use.

6. Wiring diagram

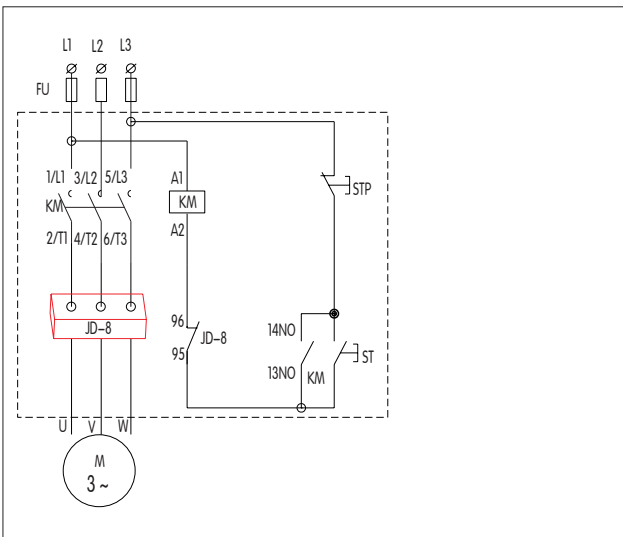
a. Connection diagram of NJBK5-10 in case both the control circuit voltage and the main circuit voltage are AC380V



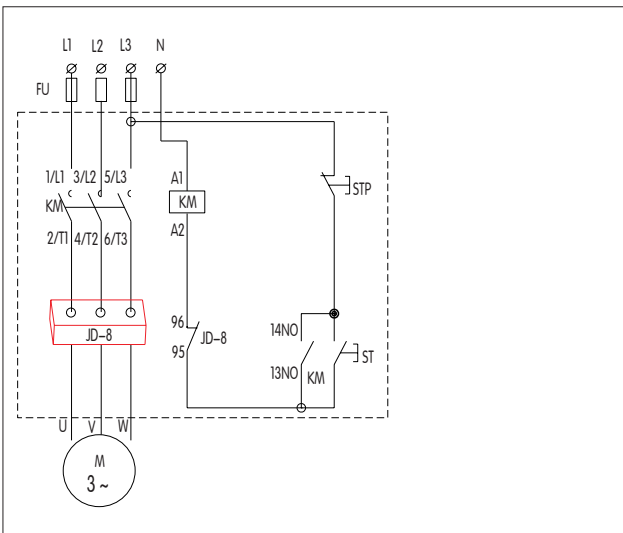
b. Connection diagram of NJBK5-10 in case the main circuit voltage is AC380V and the control circuit voltage is AC220V



a. Connection diagram of NJBK5-10D in case both the control circuit voltage and the main circuit voltage are AC380V



b. Connection diagram of NJBK5-10D in case the main circuit voltage is AC380V and the control circuit voltage is AC220V



7. Overall and mounting dimensions (mm)

