

KZJ200A

Overview:

KZJ200A/24-48 DC contactor has a set of bridge type normally open main contacts, with a load current of 200A. It complies with GB14048.4-2010/IEC60947-4-1:2009 Ed. 3.0.MOD; JB/T10774-2007 national standards. It is suitable for the electronic control device of traction electrical equipment and the device for intermittent power supply of the main contacts



Required environmental conditions:

Ambient temperature: Working temperature: -40℃ to 60℃

Storage and transportation temperature: -40℃ to 70℃.

Humidity: up to 95% at 20℃,

Maximum altitude: 2000M

Maximum impact speed: 30m/s²

Vibration frequency range: 10-55Hz.

Maximum vibration amplitude: 0.35mm, IP40

When installing, place the contacts upwards

Part	Name	Units	Requirements		
1	Rated coil voltage Ue	V	24V		
	Coil fluctuation voltage range	V	70%Ue to 120%Ue, battery powered		
	Coil resistance R	Ω	R=U²/P		
	Coil starting current	A	Lower than holding current		
	Coil holding current	A	I=Us/R		
	Coil power consumption	W	11.5W		
	Coil temp normal rising	℃	Not higher than 150℃		
2	Main contact rated voltage	V	12V/24V/36V/48V/60V/72V		
	Main contact rated current	A	200A		
	Main contact max cut-down current	A	3 times of rated current ,only 1 time		
	Main contact temp rise value	℃	100℃		
3	Product nominal voltage Ue	V	Coil voltage : 24V		
	Pull-in voltage	V	45%Ue to 66%Ue		
	Release voltage	V	5%Ue to 30%Ue		
4	Action time		Check in cold environment		
	Pull-in time	ms	≤40		
	release time	ms	≤30		
	Main contact bounce time	ms	≤4		
5	Insulation resistance	Check with 500V resistance meter			
			cold	hot	wet
	Coil to main contact and housing	MΩ	≥20	≥2	≥1

	Main contact to housing	MΩ			
6	AC withstand voltage	50Hz, leaking current no more than 10mA, every components can withstand 1minents of high voltage			
	Coil to main contact and housing	V	1500V		
	Main contact to housing	V	2500V		
7	Mechanical endurance	times	When working 20 times per minute, 100 thousands times.		
8	Electrical endurance	times	DC-1 load,When working 6 times per minute, 10 thousands times.		
9	Working hours		8 hours ,intermittent work		
10	Mounting dimensions	mm	47±0.5, Φ4.5±0.5		
11	Weight	g	510		

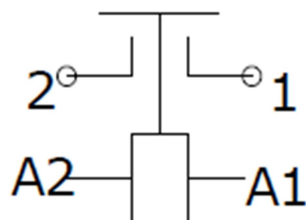
Specification:

No.	Name	Unit	
1	Rated voltage	V	coil voltage: 24V
2	Coil resistance at 20℃ in cold	Ω	50
3	Coil resistance error	Ω	±8%
4	Coil power consumption	W	11.5
5	Operating temperature	℃	10-30
6	Cold pull-in voltage	V	45%-66% Us
7	Cold release voltage	V	5%-30% Us
8	Main contactor voltage drop(100A)	mv	≤60

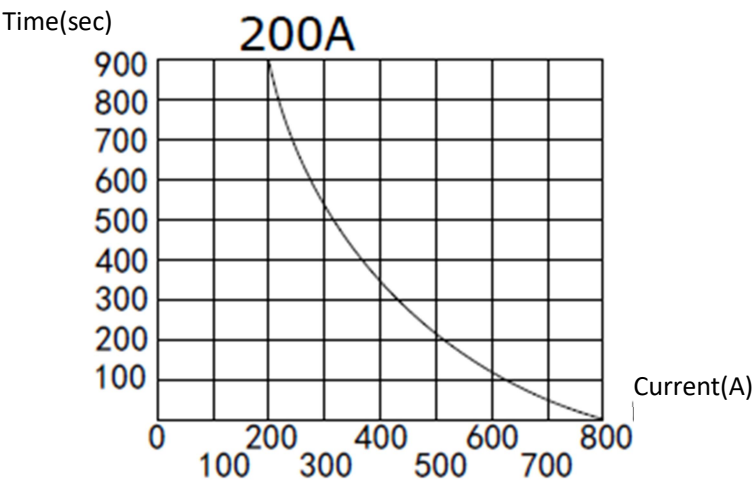
Standards:

1. Comply with GB14048.4-2010/IEC60947-4-1:2009 Low Voltage Switchgear and Control Equipment Part 4-1: Electromechanical Contactors and Motor Starters Electromechanical Contactors and Motor Starters (including motor protectors).
2. Comply with JB/T10774-2007 General Technical Conditions for Traction Electrical Appliances.
3. Parts and materials meet environmental protection ROHS requirements.

Circuit Schematic:



Current curve:



Dimensions:

