

ZJW200A

Overview:

When the contactor is not energized, the contacts are disconnected, and when the coil is energized, the contacts are connected.

Standards:

1. GB14048.4-2010;
2. JB10774-2007 General technical requirements for traction electrical appliances.
3. YD585-2010 Technical requirements for power distribution equipment for communication.



Application:

electric control devices such as electric vehicles and communication power supply equipment

Required environmental conditions:

Ambient temperature: Working temperature: -40°C to 60°C

Storage and transportation temperature: -40°C to 70°C .

Humidity: up to 90% at 20°C .

Maximum altitude: 2000M.

Maximum impact speed: 30m/s^2 .

Vibration frequency range: 1-10Hz.

Maximum vibration amplitude: $250/\text{f}^2$, IP55.

When installing, place the contacts upwards.

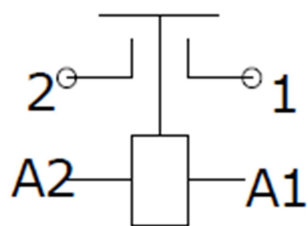
Part	Name	Units	Requirements
1	Contact voltage U_e	V	Same as coil voltage
	Contact max current	A	200A DC
2	Rated coil voltage U_e	V	12V-96V by various models
3	Coil maximum holding current	A	$I=U/R$
	Pull-in voltage	V	$\leq 66\%U_e$
	Release voltage	V	$5\%U_e$ to $30\%U_e$
4	Coil fluctuation voltage range	V	$\pm 20\%U_e$, coil voltage drop: $\pm 1U_e$
5	Main contact voltage drop	V	$\leq 150\text{mV}$ at $100\%I_e$ Models which higher than 100A can be checked at 100A , $\leq 60\text{mV}$
6	Insulation resistance	Ω	Cold: $\geq 100\text{M}\Omega$, hot: $\leq 2\text{M}\Omega$
7	Insulation dielectric strength (1min)	V	$U_i \leq 60\text{V}$: 1000V; $60 < U_i < 300\text{V}$: 1500V.

8	Maximum pull-in duration	ms	40
	Maximum release duration	ms	30
9	Main contact auto cut-off time	Sec	At $U_e, 4I_e$, 1sec
10	Mechanical endurance	times	100 thousands
11	Electrical endurance	times	DC-1 load ,1 to 20 thousands, when working 62 times per minute

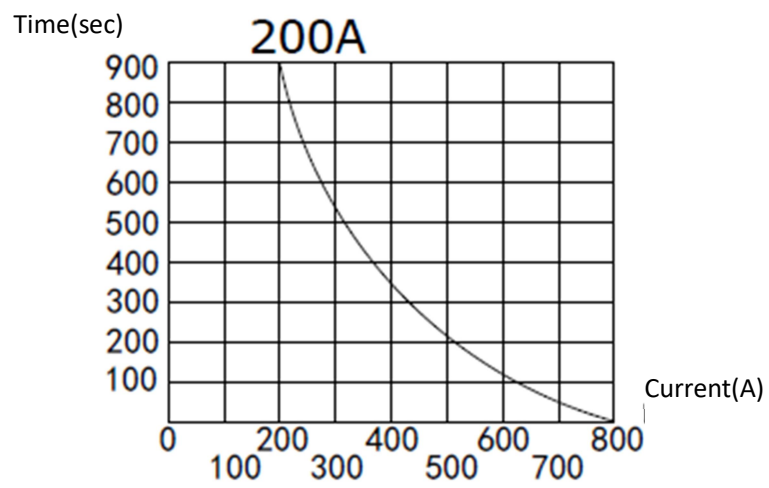
Coil resistance:

Coil voltage	Coil resistance			
	HO	INT	PO	CO
	40-50W	30-40W	15-25W	10-15W
12V			8.3Ω	9.9Ω
24V		18Ω	32Ω	40Ω
36V		42Ω	72Ω	89.2Ω
48V		72Ω	128Ω	154Ω
60V		110.9Ω	200Ω	256Ω
72V		158.5Ω		358Ω
80V		215Ω	364Ω	430Ω
96V			502Ω	
120V			811Ω	
144V			1323Ω	

Circuit Schematic:



Current curve:



Dimensions:

Unit: mm

