DC Contactor

ZJ100A DC Contactor



USES

This product have one normally open contact, for electric vehicles, telecommunication equipment, engineering machinery, car batteries, electric forklift trucks, trains, ships, electronic control systems such as uninterruptible power supply.

ZJ	<u>100A</u>	<u>-S</u>	<u>-</u> _	<u>-</u> _	<u>/</u>
1	2	3	4	5	6

- 1 Product type
- 2 Rated current
- 3 Auxiliary switch: None Without auxiliary switch; S With auxiliary switch
- 4 Mounting bracket type: None M Horizontal (default), E Level Embedded, L (N) Vertical, E1 Level embedded
- 5 Other function codes
- 6 Coil rated voltage: 6V,12V,24V,36V,48V,60V,72V,84V,120V,150V etc.

USE OF THE ENVI	RONMENT	ORDER INSTRUCTION		
Contact lead M6 tightening	≯4.5 appropriate	U.N.W.	265g	
Coil lead M4 tightening torque	≯1.2 appropriate	U.G.W.	283g	
Ambient temperature	-25~+70℃	Package QTY.	100PCS	
Relative humidity	+20℃ 98%			
Vibration freq. atthe fixed	3G, 1 \sim 50Hz amplitude 0.5mm			
Concussion	(60 \sim 100) time/minute \sim			
Altitude	2000m			
Installation direction	Random	Mounting bracket type	None - M Horizontal (default), E Level	
International Protection	International Protection IP40 (According IEC60947)		Embedded, L (N) Vertical, E1 Level embedded single direction	

ORDER FORM DESCRIPTION

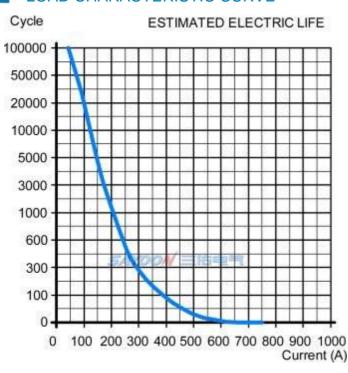
When ordering, please state the following: name, full model, control coil voltage specification, installation frame type, whether with auxiliary contact, order quantity. For example: DC Contactor SZJ100A/24V 100pcs, indicating the load rated current 100A, without auxiliary contact, default mounting bracket, coil control voltage 24V purchase 100pcs. Special voltage specification products, such as user needs can be special order.

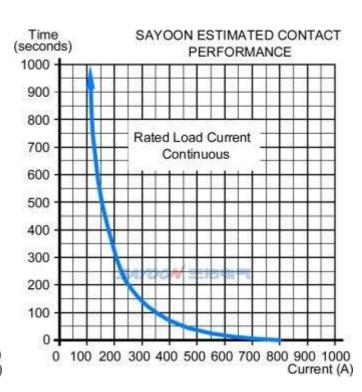
TECHNICAL PARAMETERS

(Version 2.44)

SAYOON Product Type	ZJ100A	
Contact form	1 NO	
Coil Rated voltage (DC V)	6V,12V,24V,36V,48V,60V,72V,84V,120V,150V etc.	
Contact voltage (DC V)	≤80V	
Rated load current of contact 48V circuit (A)	100A	
Typical voltage drop across contacts per 100A	≯80mV	
The cooling pull-in voltage at (20±5)°C (V)	>70%	
The cooling drop-out voltage at (20±5) $^{\circ}\mathbb{C}$ (V)	≯40%, ≮5%	
Working voltage range of 40°C coil	0.8-1.2Us	
Drop-out time (n/o contacts to open)	12ms	
Pull-in time (n/o contacts to close)	8ms	
Maximum bounce time for contact connection	10ms	
Maximum bounce time for contact disconnection	3ms	
Insulation resistance	20ΜΩ	
Electric strength to resist	50Hz/60Hz 1000VAC 1minute	
Typical fault currents which can be ruptured	800A/5ms at 48V DC	
Coil power (W)	Start: 120-170, Keep: 3-8	
Temperature rise of coil (K)	≤40	
Temperature rise on outgoing terminal (K)	≤65	
Electrical life	20,000 times	
Mechanical life	300,000 times	
Work specification	Continuous	

LOAD CHARACTERISTIC CURVE



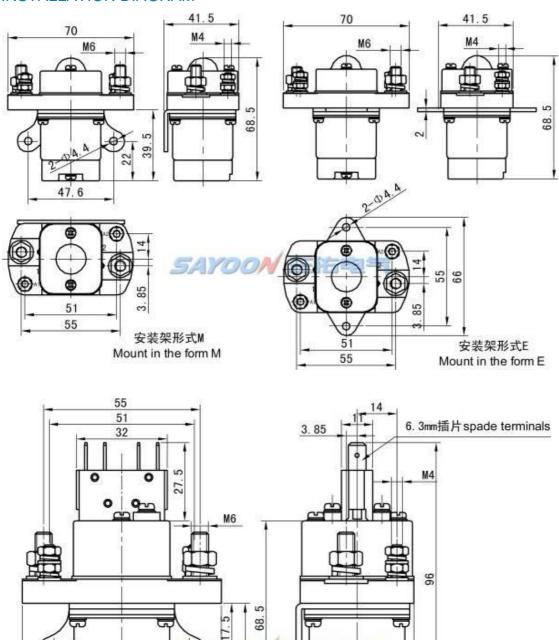


OTHER TECHNICAL PARAMETERS

Contact material	Ag alloy
Load terminal type	M6 Screw
Coil terminal type	M4 Screw
Auxiliary contact rated load (optional)	2A/48VDC, 5A/24VDC
Testing organization certification	CCC,CE,FCC,RoHS

Note: As regarding to the different using environments of customers which requires different focus of the functions, and in order to improve the comprehensive properties of our products, sayoon may adjust the coil parameters, temperature rise and so on. The above parameters are for reference only, For details, please refer to the guidelines for selection and use of the SAYOON DC contactor.

INSTALLATION DIAGRAM



41.5

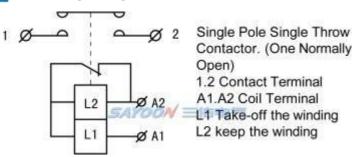
带微动开关

With micro switch

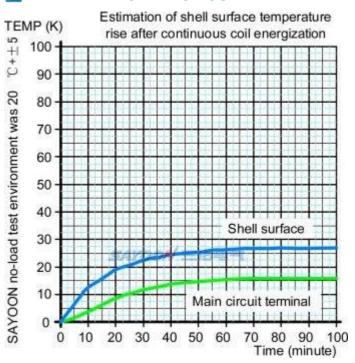
47.6

70

WIRING DIAGRAM



TEMPERATURE RISE CURVE



FEATURES

Suitable for electric forklift, battery cars, tractors, excavators, brick machine, cleaning vehicles, automotive air-conditioning, communication power supply, uninterruptible power supply, power supply switches such as electroplating electronic control system control circuit, has the advantages of small volume, large load capacity, long service life, easy maintenance and other characteristics, welcomed by users. The products in accordance with the standard of the JB2286-78, JB3974-85, YD / 585-92, YD / T512-92 requirements; the plant and related test unit test, meet the standard requirements, the user use for many years, the maximum to meet user needs, quality and reliable.