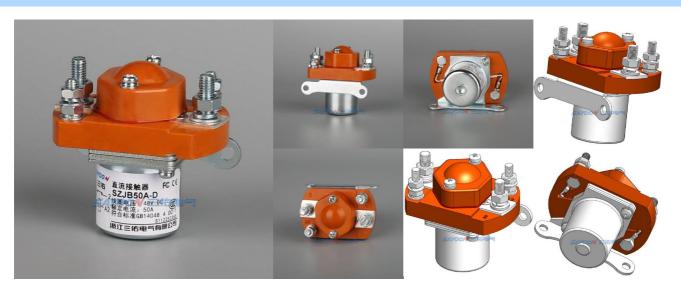
# DC Contactor

# SZJB50A-D DC Contactor



# **USES**

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

- 1 Product type
- 2 Rated current
- 3 Coil type
- 4 Mounting bracket type: None M Horizontal (default), E1 Level embedded single direction, L (N) Vertical
- 5 Coil rated voltage: 6V,12V,24V,36V,48V,60V,72V,84V,120V,150V etc.

### USE OF THE ENVIRONMENT

#### ORDER INSTRUCTION

Contact lead M6 tightening	⇒4.5 appropriate	U.N.W.	170g
Coil lead M4 tightening torque	≯1.2 appropriate	Package QTY.	100PCS
Ambient temperature	-25~+70℃		
Relative humidity	+20℃ 98%		
Vibration freq. atthe fixed	3G, 1∼50Hz amplitude 0.5mm		
Concussion	(60 $\sim$ 100) time/minute $\sim$		
Altitude	2000m		
Installation direction	Random	Mounting bracket type	None - M Horizontal (default), Level embedded single direction
International Protection	IP40 (According IEC60947)		
			(14) VOILIOAI

### ORDER FORM DESCRIPTION

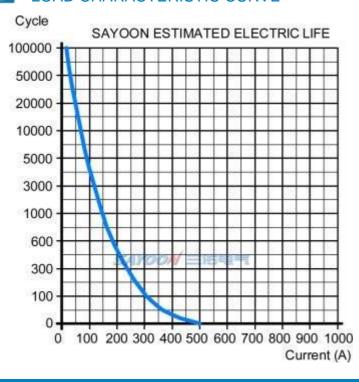
When ordering, please state the following: name, full model, control coil voltage specification, installation frame type, whether with auxiliary contact, order quantity. For example: DC Contactor SZJB50A-D/24V 100pcs, indicating the load rated current 50A, without auxiliary contact, default mounting bracket, coil control voltage 24V purchase 100pcs. Special voltage specification products, such as user needs can be special order.

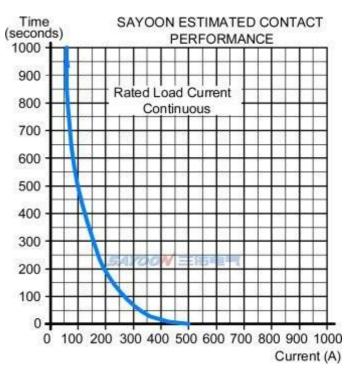
# **■** TECHNICAL PARAMETERS

(Version 2.11)

SAYOON Product Type	SZJB50A-D	
Contact form	1 NC	
Coil Rated voltage (DC V)	6V,12V,24V,36V,48V,60V,72V,84V,120V,150V etc.	
Contact voltage (DC V)	≤60V	
Rated load current of contact 48V circuit (DC-1)	50A	
Rate load current of contact circuit	≯80mV	
The cooling pull-in voltage at (20±5)°C (V)	≯70%	
The cooling drop-out voltage at (20±5) $^{\circ}\!$	<b>≯35%,</b> ≮ <b>5%</b>	
Working voltage range of 40°C coil	0.8-1.2Us	
Drop-out time (n/o contacts to open)	10ms	
Pull-in time (n/o contacts to close)	25ms	
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	600A/5ms at 48V DC	
Coil power (W)	7-15	
Temperature rise of coil (K)	≤80	
Temperature rise on outgoing terminal (K)	≤65	
Electrical life	20,000 times	
Mechanical life	300,000 times	
Work specification	Intermittent	

# LOAD CHARACTERISTIC CURVE



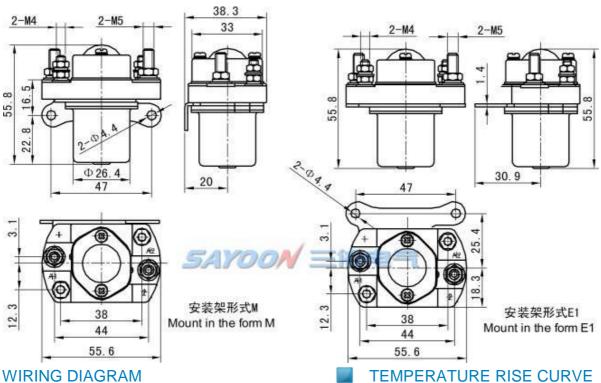


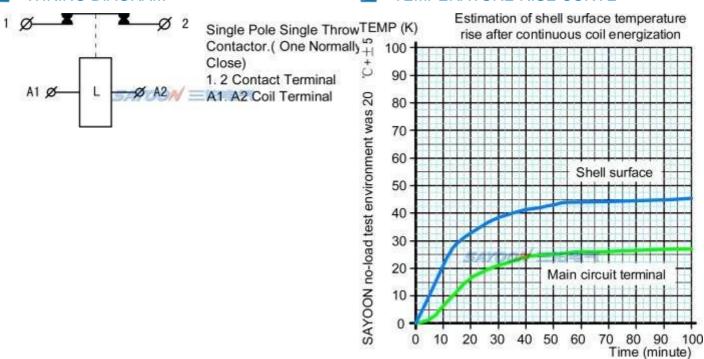
#### OTHER TECHNICAL PARAMETERS

Contact material	Ag alloy
Load terminal type	M5 Screw
Coil terminal type	M4 Screw
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**









# **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.