











QZJB50A-D DC Contactor



USES

This product have one normally close contact, for 5G cabinet, telecommunication equipment, engineering machinery, car batteries, electric forklift trucks, trains, ships, electronic control systems such as uninterruptible power supply.

QZJB	<u>50A</u>	<u>-D</u>	<u>-S</u>	<u>-</u> _	<u>-D</u>	<u>/</u> _
1	2	3	4	5	6	7

- 1 Product type
- 2 Rated current
- 3 Coil type: Coil type: None - double coil structure; D - Single coil structure
- 4 Auxiliary switch: None - Without auxiliary switch; S - With auxiliary switch
- 5 Mounting bracket type: M Horizontal (default)
- 6 Other function codes
- 7 Coil rated voltage: 6V,12V,24V,36V,48V,60V,72V,96V etc.

ORDER INSTRUCTION

	Contact lead M5 tightening	≯2.5 appropriate		
Coil lead M3 tightening torque		≯0.8 appropriate	-	
Ambient temperature		-25~+70℃		
	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	M Horizontal (defau
	International Protection	IP40 (According IEC60947)		

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 QZJB50A-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.









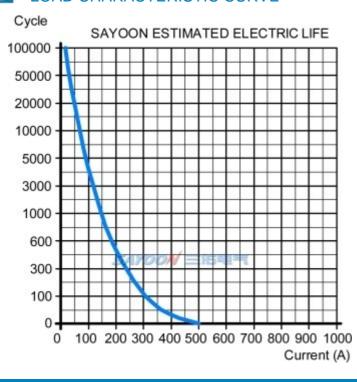


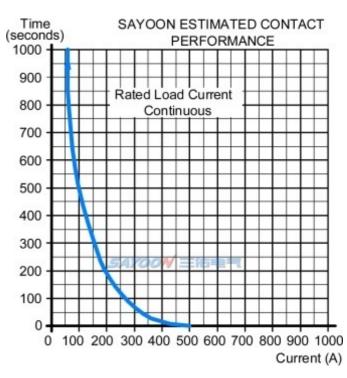
TECHNICAL PARAMETERS

(Version 1.34)

SAYOON Product Type	QZJB50A-D			
Contact form	1 NC			
Coil Rated voltage (DC V)	6V,12V,24V,36V,48V,60V,72V,96V etc.			
Contact voltage (DC V)	≤150V			
Rated load current of contact 48V circuit (A)	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)℃ (V)	≯50%, ≮5%			
Working voltage range of 40°C coil	0.8-1.2Us			
Drop-out time (n/o contacts to open)	15ms			
Pull-in time (n/o contacts to close)	5ms			
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)	5-9			
Temperature rise of coil (K)	≤60			
Temperature rise on outgoing terminal (K)	≤65			
Electrical life	20,000 times			
Mechanical life	300,000 times			
Work specification	Continuous			

LOAD CHARACTERISTIC CURVE















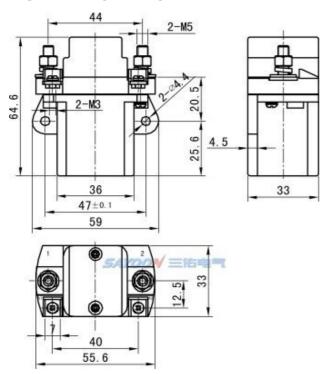


OTHER TECHNICAL PARAMETERS

Contact material	Ag alloy
Load terminal type	M5 Screw
Coil terminal type	M3 Screw

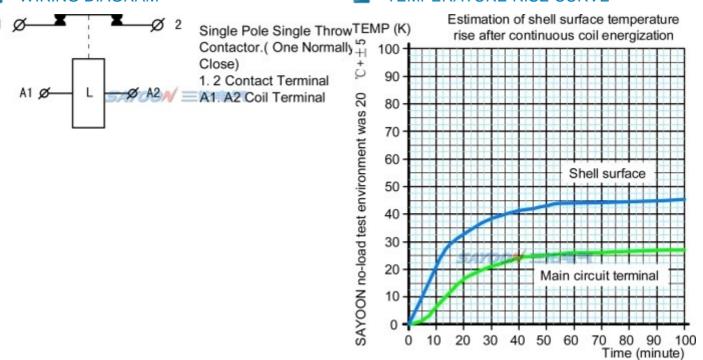
Note: As regarding to the different using environments of customers which requires different focus of the functions, and in order to improve the comprehensive properties of our products, sayoon may adjust the coil parameters, temperature rise and so on. The above parameters are for reference only, For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

INSTALLATION DIAGRAM



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.



3D NUMERICAL AND MODELING INTERACTIVE DISPLAY

QZJ50A-D-M: http://www.sayoon.com/en/v3d/p.html?type=qzj50a-d-m