











# Magnetic Holdir CZW3000A+K Magnetic Holding DC Contactor



#### USES

This product realizes zero power connection when working. It is suitable for 5G \(\circ\) charging pile, telecommunication communication equipment, automation equipment, electric vehicle, energy-saving and environmental protection system, road traffic lighting system, programmable power supply and uninterrupted power supply equipment.

CZW	3000A	<u>-K</u>	<u>-C</u>	<u>-s</u>	<u>-</u>	<u>-</u> _	<u>/24V</u>
1	2	3	4	5	6	7	8

- 1 Product type: 1NO
- 2 Rated current
- Megnetic holding structure: K Two joint magnetic retention(Single coil, Two joint self-locking); 2K Three joint magnetic retention(Double coil, Three joint self-locking)
- 4 Magnetic blowouts
- 5 Auxiliary switch: None Without auxiliary switch; S With auxiliary switch
- 6 Mounting bracket type: 2L Two vertical (default), 1L One vertical, M Horizontal
- 7 Other function codes: I: With suppressor diode, R: With pre-charged resistance
- 8 Coil rated voltage: 6V,12V,24V,36V,48V,60V,72V,84V,120V,150V,220V etc.

### USE OF THE ENVIRONMENT

ORDER INS	STRUCTION
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Contact lead M12 tightening	ontact lead M12 tightening >30 appropriate		6300g
Coil lead-out torque (N.m)	⇒0.8 appropriate	Package QTY.	2PCS
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 $\varsigma$		
Altitude	2000m		
Installation direction	Random	Mounting bracket type	2L Two vertical (default), 1L One vertical, M Horizontal
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: Magnetic Holding DC Contactor CZW3000A-K/24V 100pcs, indicating the load rated current 3000A, without auxiliary contact, default mounting bracket, coil control voltage 24V purchase 100pcs. Special voltage specification products, such as user needs can be special order.









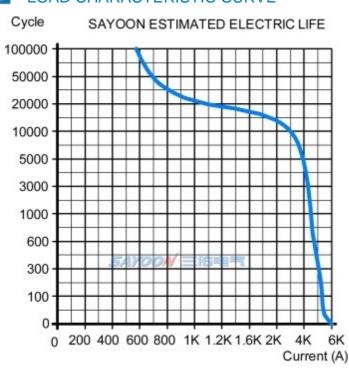


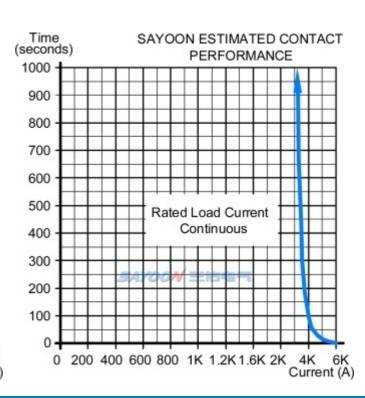
#### TECHNICAL PARAMETERS

(Version 2.02)

SAYOON Product Type	CZW3000A-K		
Contact form	1 Circuit		
Coil Rated voltage (DC V)	6V,12V,24V,36V,48V,60V,72V,84V,120V,150V,220V etc.		
Contact voltage (DC V)	≤80V		
Rated load current of contact 48V circuit (DC-1)	3000A		
Typical voltage drop across contacts per 100A	≤80mV		
The cooling pull-in voltage at (20±5)°C (V)	≤80%		
The cooling drop-out voltage at (20±5)℃ (V)	≤80%		
Working voltage range of 40°C coil	0.8-1.2Us		
Pulse dration	200ms≤t≤1s		
Operating frequency(square wave)	1 minute≤6 times		
Insulation Resistance	100ΜΩ		
Electric strength to resist	50Hz/60Hz 2200VAC 1minute		
Typical fault currents which can be ruptured	4000A/5ms at 48V DC		
Coil power (W)	K Start: 30-42, 2K Start: 60-82, Keep: 0		
Temperature rise of coil (K)	Normal temperature		
Temperature rise on outgoing terminal (K)	≤65		
Electrical life	10,000 times		
Mechanical life	300,000 times		
Work specification	Continuous		
Contact material	Ag alloy		
Load terminal type	M12 Screw		

#### LOAD CHARACTERISTIC CURVE















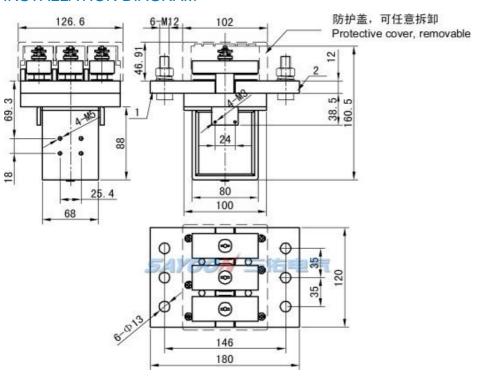


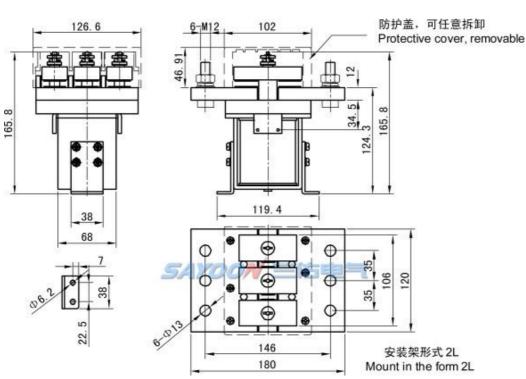
# OTHER TECHNICAL PARAMETERS

Coil terminal type	0.3 square wire,320mm long		
Auxiliary contact rated load (optional)	2A/48VDC, 5A/24VDC		
Testing organization certification	CE,FCC		

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**









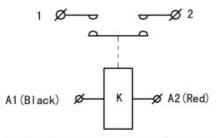








#### WIRING DIAGRAM



K Two Jiont Magnetic Retention(Two Jiont Self-locking)

#### 1.2 Main Contact Terminal

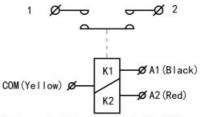
# A1(Black).A2(Red) Coil Terminal

A1(Black) Connect the negative pole of the power supply . A2(Red) Connect the positive pole of the power supply 1. 2 Main contact on.

A1(Black) Connect the positive pole of the power supply

A2(Red) Connect the negative pole of the power supply .

1. 2 Main contact disconnection.



2K Three Jiont Magnetic Retention(Three Jiont Self-locking)

#### 1.2 Main Contact Terminal

#### A1(Black).COM(Yellow).A2(Red) Coil Terminal

Common positive electrode COM/Yellow)Connect the positive pole of the power supply ,

A1(Black)Connect the negative pole of the power supply , 1.2 Main contact on.

COM/Yellow)Connect the positive pole of the power supply ,

A2(Red)Connect the negative pole of the power supply ,

A2(Red)Connect the negative pole of the power supply ,

A1(Black)Connect the positive pole of the power supply ,

A1(Black)Connect the positive pole of the power supply ,

A2 Main contact disconnection.

COM(Yellow)Connect the negative pole of the power supply , A2(Red)Connect the positive pole of the power supply , 1.2 Main contact on.

#### **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

CZW3000A-K-2L: <a href="http://www.sayoon.com/en/v3d/p.html?type=czw3000a-2l">http://www.sayoon.com/en/v3d/p.html?type=czw3000a-2l</a> CZW3000A-S-K-2L: http://www.sayoon.com/en/v3d/p.html?type=czw3000a-s-2l