

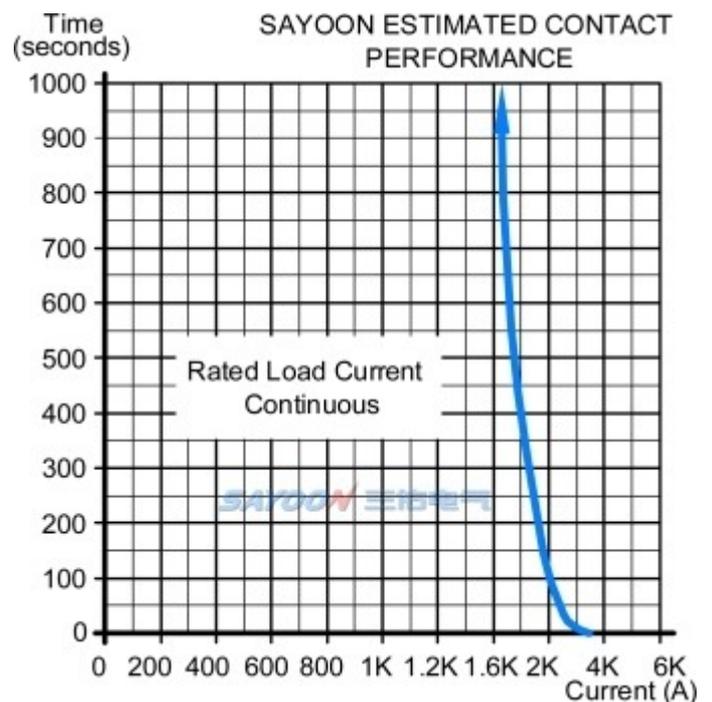
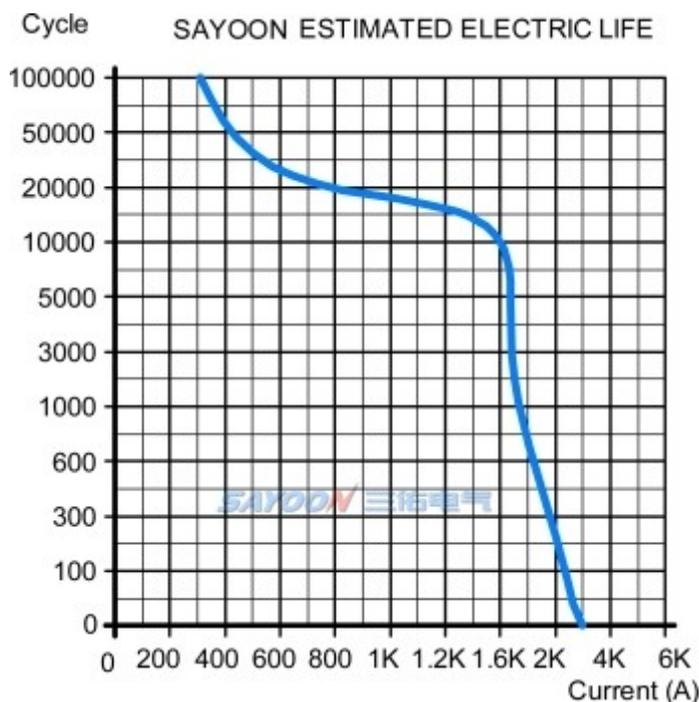


## TECHNICAL PARAMETERS

(Version 2.24)

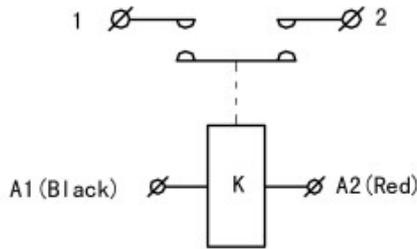
SAYOON Product Type	CZW1600A-K
Contact form	1 Circuit
Coil Rated voltage (DC V)	6V,12V,24V,36V,48V,60V,72V,84V,120V,150V,220V etc.
Contact voltage (DC V)	≤80V
Rated load current of contact 48V circuit (DC-1)	1600A
Typical voltage drop across contacts per 100A	≤80mV
The cooling pull-in voltage at (20±5)°C (V)	≤80%
The cooling drop-out voltage at (20±5)°C (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	100MΩ
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





## WIRING DIAGRAM



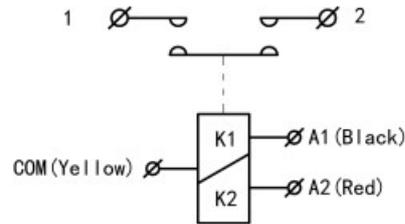
K Two Jiont Magnetic Retention(Two Jiont Self-locking)

### 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 , 1. 2 Main contact disconnection.

Public negative electrode:COM(Yellow)Connect the negative pole of the power supply ,  
A1(Black)Connect the positive pole of the power supply , 1. 2 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

CZW1600A-K-2L: <http://www.sayoon.com/en/v3d/p.html?type=czw1600a-2l>