# DC Contactor

# ZJWH400A-T DC Contactor



## **USES**

This product have one normally open and one normally close contact, used in electroplating equipment, telecommunication equipment, engineering machinery, electric forklift trucks, trains, uninterruptible power supplies and other electronic control system.

ZJWH	400A	<u>-T</u>	<u>-S</u>	<u>-C</u>	<u>-M</u>	<u>-</u>	<u>/24V</u>
1	2	3	4	5	6	7	8

- 1 Product type
- 2 Rated current
- 3 Circuit structure
- 4 Auxiliary switch: None Without auxiliary switch; S With auxiliary switch
- 5 Magnetic blowouts
- 6 Mounting bracket type: M Horizontal (default), 1L One vertical, 2L Two vertical
- 7 Other function codes: I: With suppressor diode, R: With pre-charged resistance ,CO: Continuous , IN:
- 8 Coil rated voltage: 6V,12V,24V,36V,48V,60V,72V,84V,120V,150V,220V etc.

#### USE OF THE ENVIRONMENT

#### ORDER INSTRUCTION

Contact lead M10 tightening	act lead M10 tightening >20.5 appropriate		1607g
Coil lead-out torque (N.m)	Coil lead-out torque (N.m) > 0.8 appropriate		20PCS
Ambient temperature −25~+70°C			
Relative humidity	+20℃ 98%		
Vibration freq. atthe fixed	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	M Horizontal (default), 1L One
International protection	International protection IP40 (According IEC60947)		vertical, 2L Two vertical

#### ORDER FORM DESCRIPTION

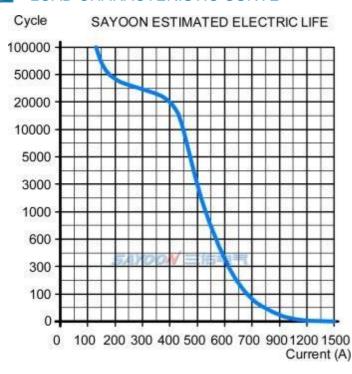
When ordering, please state the following: name, full model, control coil voltage specification, installation frame type, whether with auxiliary contact, order quantity. For example: DC Contactor CZWH400A-T/24V 100pcs, indicating the load rated current 400A, without auxiliary contact, default mounting bracket, coil control voltage 24V purchase 100pcs. Special voltage specification products, such as user needs can be special order.

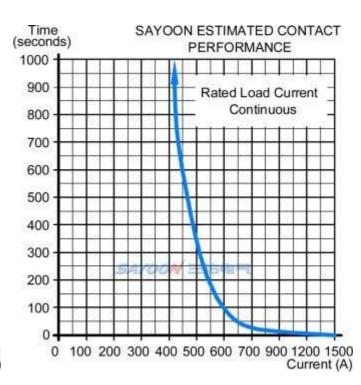
#### TECHNICAL PARAMETERS

(Version 1.38)

SAYOON Product Type	ZJWH400A-T			
Contact form	1 NO 1 NC Convert (SPDT)			
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)	400A			
Typical voltage drop across contacts per 100A	≯80mV			
The cooling pull-in voltage at (20±5)℃ (V)	≯70%			
The cooling drop-out voltage at (20±5) ℃ (V)	<b>≯35%,</b> ≮5%			
Working voltage range of 40°C coil	0.8-1.2Us			
Drop-out time (n/o contacts to open)	40ms			
Pull-in time (n/o contacts to close)	12ms			
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	1500A/5ms at 48V DC			
Coil power (W)	22-40			
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	Continuous or Intermittent(default)			
Contact material	Ag alloy			
Load terminal type	M10 Screw			
Coil terminal type	6.3mm spade terminals			
Auxiliary contact rated load (optional)	2A/48VDC, 5A/24VDC			
Normally closed to normally open	14ms			

#### LOAD CHARACTERISTIC CURVE



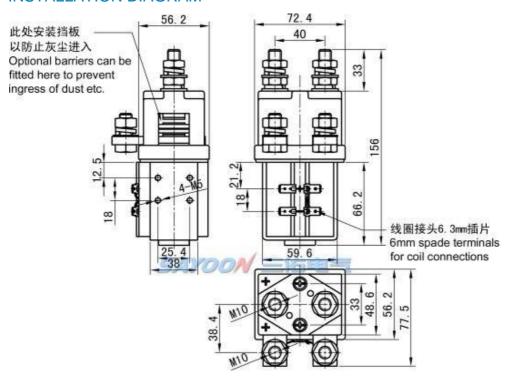


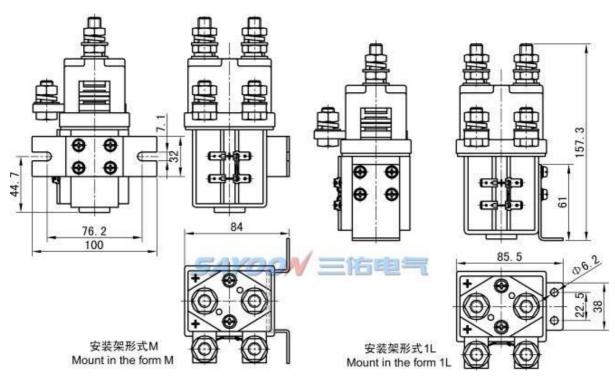
## OTHER TECHNICAL PARAMETERS

Normally open to normally closed	8ms
Testing organization certification	CE,FCC

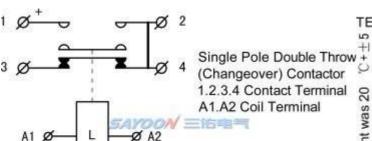
Note: As regarding to the different using environments of customers which requires different focus of the functions, and in order to improve the comprehensive properties of our products, sayoon may adjust the coil parameters, temperature rise and so on. The above parameters are for reference only, For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

# INSTALLATION DIAGRAM

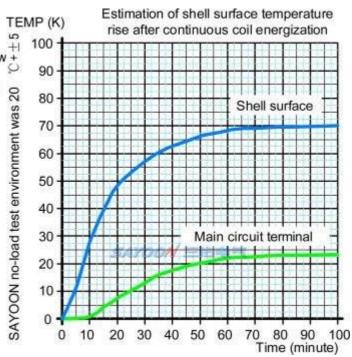








#### TEMPERATURE RISE CURVE



## 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.