

DC Contactor

SW82 DC Contactor



USES

This product have two normally open contact, for electric tricycle, electric machinery and equipment, recreational vehicles, floor sweeper, system, ceramic machine, throwing cars, brick car, clean cars, solar boats

| SW82 | -□ | -□ | /24V |
|------|----|----|------|
| 1 | 2 | 3 | 4 |

- 1 Product type
- 2 Other function codes
- 3 Working system: CO Continuous; INT Intermittent
- 4 Coil rated voltage: 6V,12V,24V,36V,48V,60V,72V,84V,120V,150V,220V etc.

USE OF THE ENVIRONMENT

| | |
|--|--|
| Contact lead M10 tightening | ≥9.0 appropriate |
| Coil lead-out torque (N.m) | ≥0.8 appropriate |
| Ambient temperature | -25~+70℃ |
| Relative humidity | +20℃ 98% |
| Vibration freq. atthe fixed concussion | 3G, 1~50Hz amplitude 0.5mm (60~100) time/minute、 |
| Altitude | 2000m |
| Installation direction | Random |
| International protection | IP40 (According IEC60947) |

ORDER INSTRUCTION

| | |
|-----------------------|--|
| U.N.W. | 475g |
| Package QTY. | 60PCS |
| Mounting bracket type | M Horizontal (default), 1L One vertical, 2L Two vertical, X Oblique, 2N Rear |

ORDER FORM DESCRIPTION

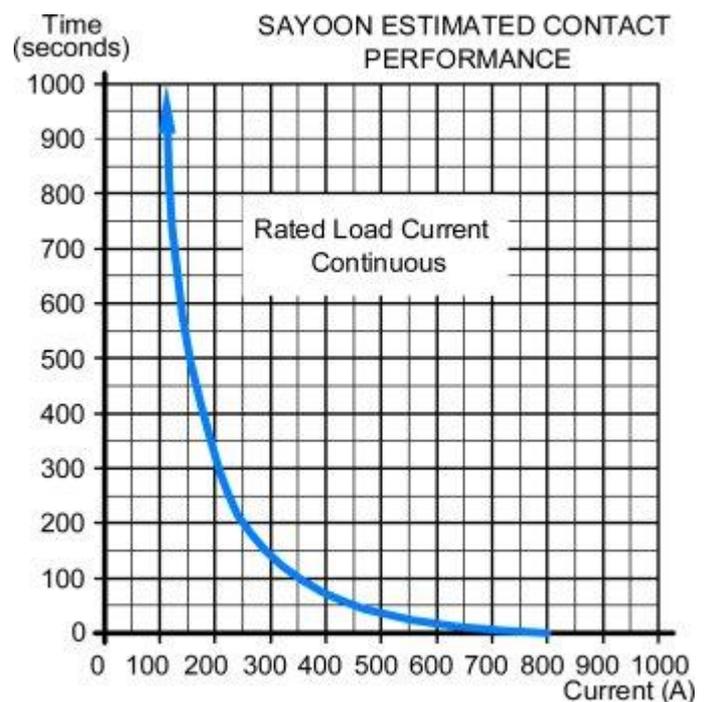
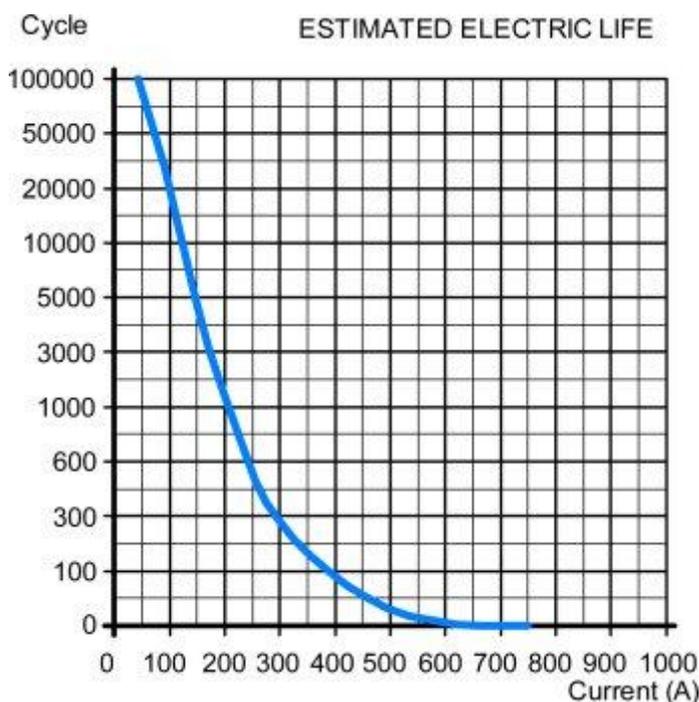
When ordering, please state the following: name, full model, control coil voltage specification, installation frame type, whether with auxiliary contact, order quantity. For example: DC Contactor CZWJ100A/24V 100pcs, indicating the load rated current 100A

TECHNICAL PARAMETERS

(Version 1.45)

| SAYOON Product Type | SW82 |
|--|--|
| Contact form | 2 NO |
| 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) | 100A |
| Typical voltage drop across contacts per 100A | ≧80mV |
| the cooling pull-in voltage at (20±5)°C (V) | ≧70% |
| the cooling drop-out voltage at (20±5)°C(V) | ≧35%, ≦5% |
| Working voltage range of 40 degrees celsius coil | 0.8-1.2Us |
| Drop-out time(n/o contacts to open) | 40ms |
| Pull-in time (n/o contacts to close) | 12ms |
| connect the maximum contact bounce time | 10ms |
| Disconnect the maximum contact bounce time | 3ms |
| Insulation resistance | 20MΩ |
| Electric strength to resist | 50Hz/60Hz 1000VAC 1minute |
| Typical fault currents which can be ruptured | 800A/5ms at 48V DC |
| Coil power (W) | 14-23 |
| Temperature rise of coil (K) | ≤80 |
| Temperature rise on outgoing terminal (K) | ≤65 |
| Electric life | 20000 times |
| Mechanical life | 300 thousand times |
| Work specification | Continuous or Intermittent |

LOAD CHARACTERISTIC CURVE

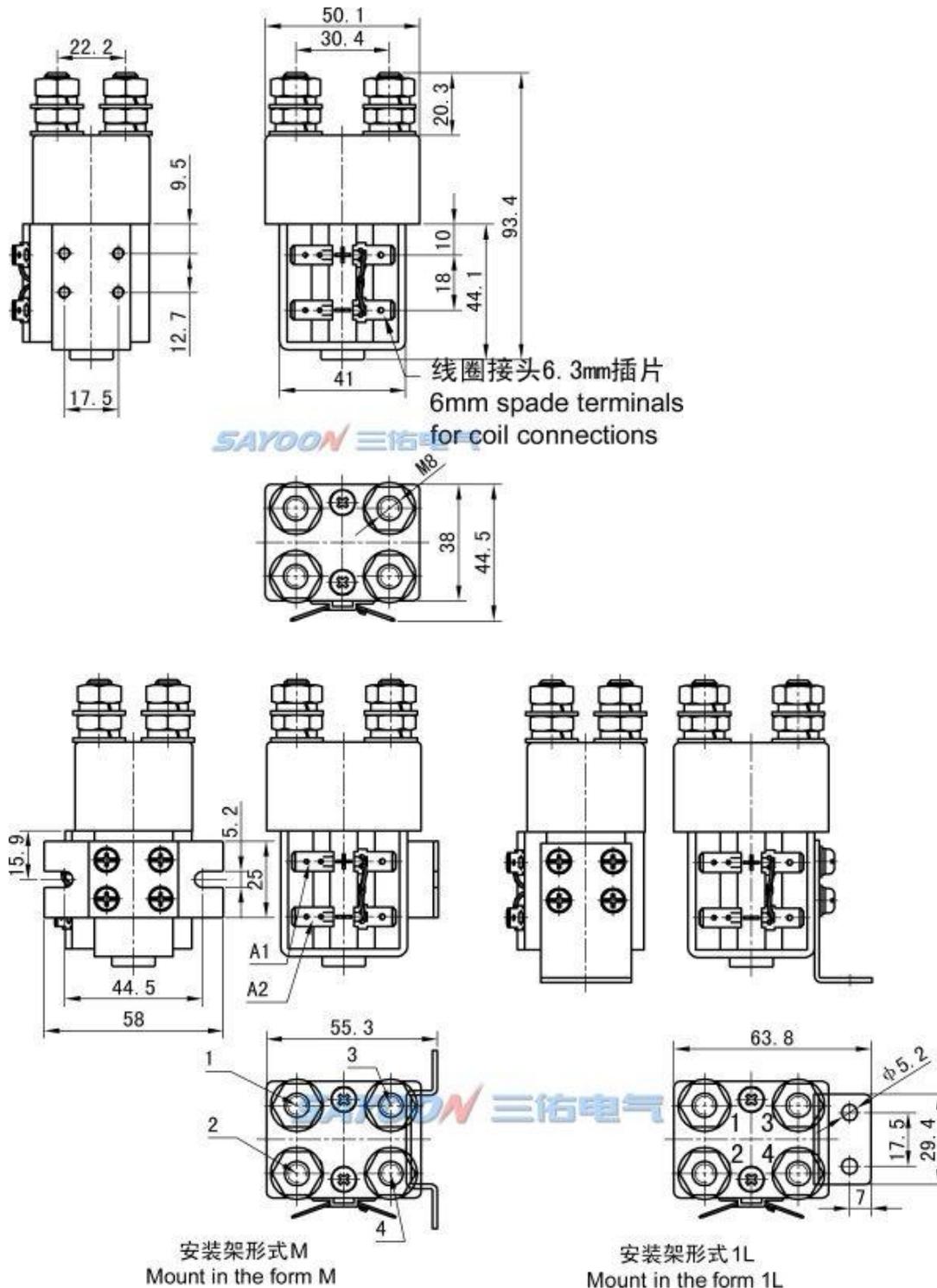


OTHER TECHNICAL PARAMETERS

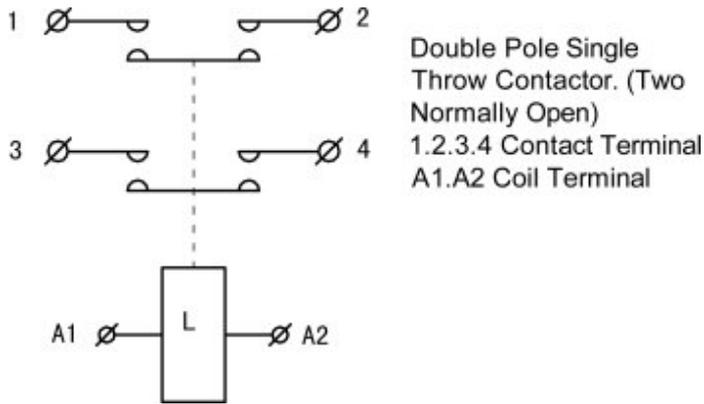
| | |
|------------------------------------|-----------------------|
| Contact material | AgCdO |
| Load terminal type | M8 Rose |
| Coil terminal type | 6.3mm spade terminals |
| Testing organization certification | CE,FCC |

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

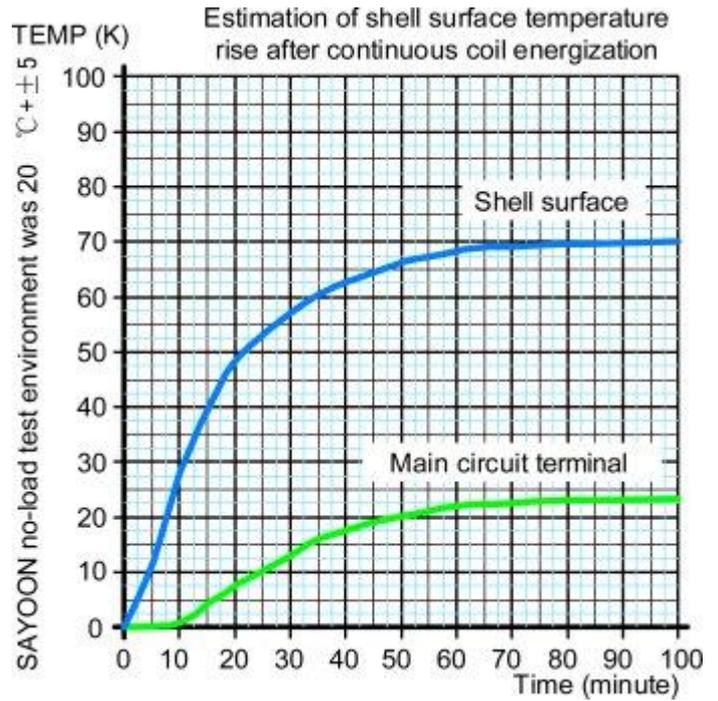
INSTALLATION DIAGRAM



WIRING DIAGRAM



COIL 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 elect