



1. 50A ;
Continuous 50A load.
2. ;
It has one sets of normally open contacts.
3. 9W;
Coil power consumption 9W.
4. 100M (1000VDC) 1kV;
The insulation resistance reaches 100M (1000VDC), and the withstand voltage between the contacts and the coil is 1kV.
5. IP :IP40;
IP protection level: IP40.
6. IEC 60664-1 GB/T14048.1 GB/T14048.4 ;
Compliant with IEC 60664-1, GB/T14048.1 and GB/T14048.4 requirements.
7. RoHS 2015/863/EU REACH 1907/2006/EC ;
Compliant with RoHS (2015/863/EC) and REACH (1907/2006/EC) requirements.
8. CE RoHS;
Safety certificate: CE, RoHS.

at23

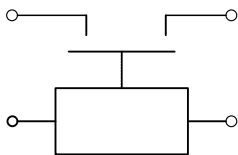
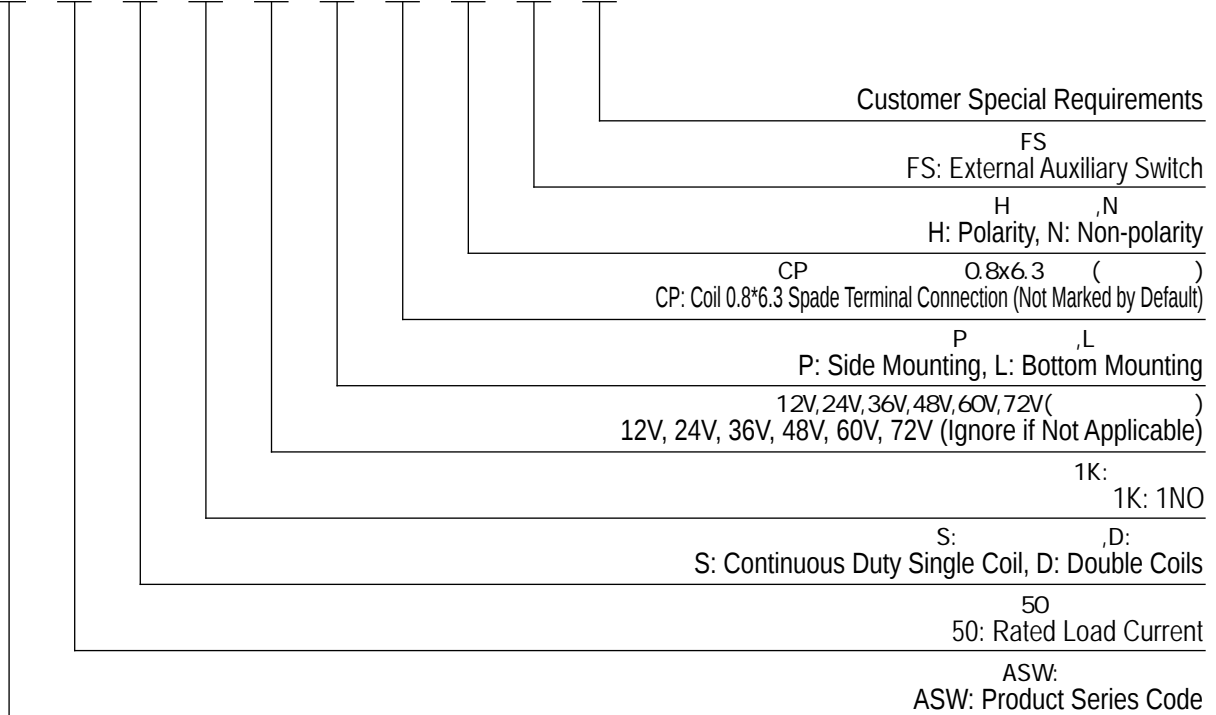
at23

| | | | |
|---|---|-----------------------|---|
| Contact Arrangement | 1K 1NO / 1B 1NC | Pickup Voltage | 70% Us |
| Contact Resistance | 0.5m | Dropout Voltage | 10% Us |
| Contact Voltage Drop | 80mV(at 50A) | Contact Bounce Period | 5ms |
| Overload Current | 7Ie, 1s | Pickup Time | 30ms |
| Temperature | -40 ~65 | Dropout Time | 30ms |
| Load Terminal | M6 M6 External Thread | Dielectric Strength | Between Main Contacts 50Hz/60Hz 1000VAC/1min |
| Vibration | 3.5g, 10~200Hz, 1/2 3.5g, 10~200Hz, 1/2 Sine Wave (Power On) | | Between Main Contacts and Coil 50Hz/60Hz 1000VAC/1min |
| Relative Humidity | 20 ~90 RH | Insulation Resistance | Initial State 100M 1min |
| Dimension | 36x33x83.5mm | | After Electrical Life 50M 1min |
| Operating Duty | Continuous | Shock | 60-100) / 4g (60-100)times/min, Acceleration04g |
| Electrical Durability with Load (Resistive) | 6000 06,000 Times | Mechanical Durability | 100000 0100,000 Times |
| Load Wiring Torque | 4-5N.m | Coil Wiring | 6.3x0.8 6.3*0.8 Spade Terminal |

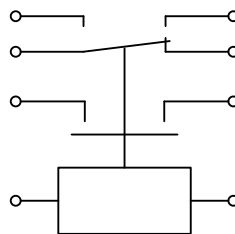
ASW50S

| Coil Voltage | Pickup Voltage VDC | Dropout Voltage VDC | Holding Current | Coil Power Consumption |
|--------------|--------------------|---------------------|-----------------|------------------------|
| 12V | 70% Us | 10% Us | 0.6A | 5.9W |
| 24V | 70% Us | 10% Us | 0.25A | 5.9W |
| 36V | 70% Us | 10% Us | 0.23A | 5.9W |
| 48V | 70% Us | 10% Us | 0.2A | 5.9W |
| 60V | 70% Us | 10% Us | 0.15A | 5.9W |
| 72V | 70% Us | 10% Us | 0.13A | 5.9W |

ASW 50 S K 12 P CP H FS T01



Wiring Diagram Without Micro Switch



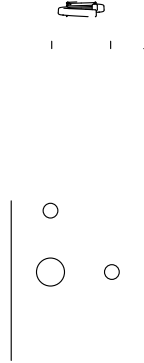
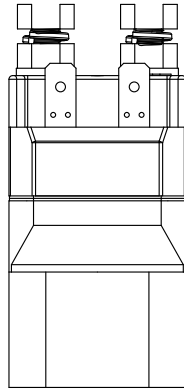
Wiring Diagram with Micro Switch

A1, A2
A1&A2 Main Terminals

1, 2 12-72V
1&2 Coil Terminals 12-72V

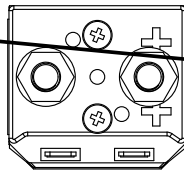
| | |
|--------------------------------------|---|
| COM COM Auxiliary Common Terminal | NC NC Auxiliary Normally Closed Terminal |
| | NO NO Auxiliary Normally Open Terminal |

ASW50S()



2-M6
Load Wiring 2-M6
4-5N.m
Torque 4-5N.m

T=0.8x6.3
Coil Wiring T=0.8*6.3
Spade Terminal



ASW50SFS()

2-M6
Load Wiring 2-M6
4-5N.m
Torque 4-5N.m

T=0.8x6.3
Coil Wiring T=0.8*6.3
Spade Terminal

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Load Wiring 2-M6
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T=0.8x6.3
Coil Wiring T=0.8*6.3
Spade Terminal

1.

This document is only for customer selection reference, AOKAI has tried the best to ensure the accuracy of the information in this document. Product specifications and parameters may be changed due to product improvement etc., they may be inconsistent because of not updated in time. For the specific parameters and performance of each product, please refer to the samples provided by AOKAI and the corresponding signed and controlled specification.

2.

Regarding the application of this product, please select the matching product according to your specific use conditions and environmental requirements when selecting the product. If the requirements are not clearly specified, please contact AOKAI to obtain more technical support.

3.

When installing and using this product, regardless of wiring or fixed installation, it is required to use anti-loose spring washers.

4.

The torque for installing fasteners should be within the standard range required by this specification. It may cause the unstable installation or damaging the product if the torque is lower than the minimum torque or higher than the maximum torque.

5.

Do not install the contactor in places with strong magnetic fields (such as transformers or strong magnets), or close to objects with thermal radiation. It is recommended to use it with a cooling fan.

6.

30cm

It is forbidden to use the product that have been dropped from a high place (height \geq 30cm).

7.

The driving power of the product coil must be bigger than or equal to the coil power of the product, otherwise the product switching ability will be reduced.

8.

When the coil is continuously energized, the coil voltage cannot exceed the maximum allowable voltage, otherwise the abnormal heating of the coil will affect its service life.

9.

This product is not waterproof. Please do not use it in an environment where water, solvent, or oil may come into contact with the casing or terminals. Otherwise, the aging of the casing or corrosion of the terminals may cause abnormal heating.

10.

It is forbidden to use the product beyond the rated electrical life. When the rated electrical life is reached, although the product can continue to work, there is a risk of failure, explosion, and burning because of non-breaking.

11.

This product cannot be used as a protector, and the circuit must be connected with a protector in series when using.

12.

AOKAI only does the resistive electrical life verification and quality assurance. When the product is used in an environment with inductive load or capacitive load, it is recommended that the circuit should be connected in parallel with a surge protection device.

13.

After continuous work, restarting immediately after disconnection will affect the pull-in voltage because the product is in a hot state, and the pull-in voltage will increase, which is a reasonable phenomenon.

14.

It is strictly prohibited to wiring when power on.