

PRODUCT XL-10AH/XL-10AL Switch Module

Product Introduction

XL-10AH and XL-10AL are respectively a wide voltage version and a low power consumption version. This series of modules can achieve the same function as a self-locking switch by simply tapping the switch to power on and then power off. Max can support a load with a switch current of 10A, and its power consumption is extremely low in the off state. The XL-10AL power consumption version can work at a voltage of 3.5-5.5V, and its static power consumption in the off state is about 300na, while the XL-10AH wide voltage version can support a wide voltage range of 4.5-26V, and its static power consumption in the off state is about 1.3ua. We Are The Distributor Of TZT Brand In Hong Kong, China

The excellent performance of the module covers the working voltage and current required by most DC loads. The small size design also does not take up too much space on your device. For the button part, if you want to use other styles of buttons, you can also connect various styles of touch buttons to our switch control board through wires.

Parameter Introduction

Model: XL-10AL/XL-10AH

Working voltage:

XL-10AL: 3.5-5.4V

XL-10AH: 4.5-26V

Static power consumption: (There is a deviation in the sampling test, but it is not significant)

XL-10AL: 300na (measured at 5V voltage)

XL-10AH: 1.3ua (measured at 12V voltage)

Load current:

XL-10AL: 10A (5V voltage test for 30 minutes)

XL-10AH: 10A (12V voltage test for 30 minutes)

Pressure drop:

XL-10AL: 130mV (measured at 5V 10A)

XL-10AH: 120mv (measured at 12V 10A voltage)

Precautions

1. Regarding the load current, XL-10AL can run long distances at 5V and can be very hot. However, after passing a 30 minute long distance test at room temperature of around 25 °C, it is not recommended to run long distances below 4V with a high current of 10A. Under low voltage conditions, the heating will be too large and the module will be easily burned. XL-10AH 10A current is not recommended to run long distances below 7V.
2. In the case of low current, the input voltage of the module is basically equal to the output voltage. When the current is 10A, the maximum can reach 170mv, which is difficult to avoid. Therefore, you have to accept this phenomenon. TZT
3. When using the module, do not touch the input and output ports of the module with your hands or other objects with static electricity or low resistance at the same time, as this will cause unstable operation of the module. TZT
4. Regarding the external connection of your own buttons, you can refer to the diagram below to connect your cable to your button,



