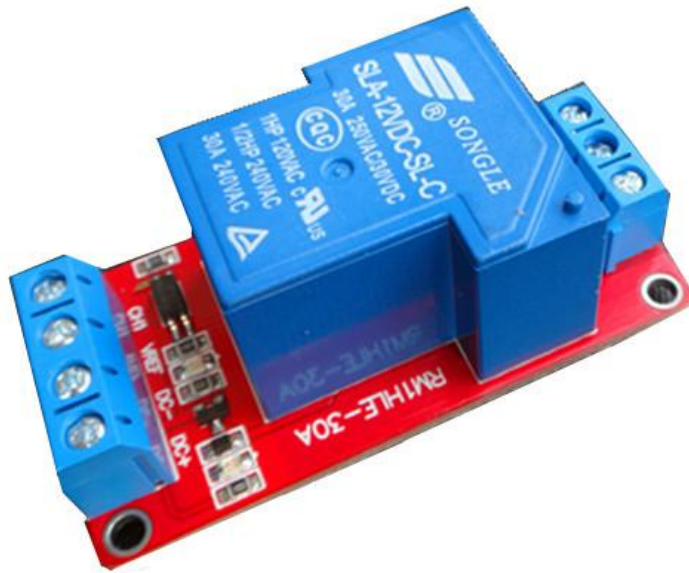


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Isolated 1-channel high-power relay control module, using high-level signal trigger, only need 3mA current to drive the relay with 30A control capacity. The module uses genuine high-quality power relay, high-quality ultra-small package optocoupler, high power High voltage triode, red and blue signal indicator, industrial grade double-sided PCB sheet, comprehensive layout, stable performance, can be widely used in various power control applications.



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- Module description

1. The module uses genuine high-quality relay, the maximum load of the normally open interface: AC 250V/30A, DC 30V/30A;

2. Using the industry's high-quality ultra-small bidirectional isolation optocoupler table performance; trigger current only needs 3mA;

- 3.The module working voltage is available in 5V, 12V, 24V;

- 4.The relay is high level, the module contains current limiting resistor, the high level can be DC+, or the single chip I/O port can be set high;

- 5.Fault-tolerant design, even if the control line is broken, the relay will not move;

- 6.Power indicator (red), 1 relay status indicator (blue)

- 7.The interface design is user-friendly, all interfaces can be directly connected through the terminal block, very convenient

- Module interface

Module control terminal: 4-wire interface, all interfaces have terminal blocks for user wiring.

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1. DC+: external DC power supply negative (5V, 12V and 24V modules are available)
  2. DC-: external DC power supply negative
  3. VREF: The optical isolation control terminal refers to the ground wire. This signal should be connected to the negative pole of the power supply of the user control board.
  4. CH1: relay control interface, high level (relative to VREF) corresponding relay pull-in
- Note: The isolated relay module is designed to adapt to the harsh electromagnetic environment or high signal requirements. If you want to achieve complete isolation, the power of the user control board (that is, the reference power supply connected to VREF) and the power supply of the relay module. (DC+/DC-) should be separated. If the two power supplies are common, the full isolation effect will not be achieved. At this time, users can choose our more economical standard non-isolated relay module.
  - Relay output: 3-wire interface, all terminals have terminal blocks
    1. NO: The relay normally open interface, the relay is suspended

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before the suction, and the short is connected with COM after the suction.

2. COM: relay common interface

3. NC: The relay normally closes the interface, and the relay is shorted to COM before the suction is closed.