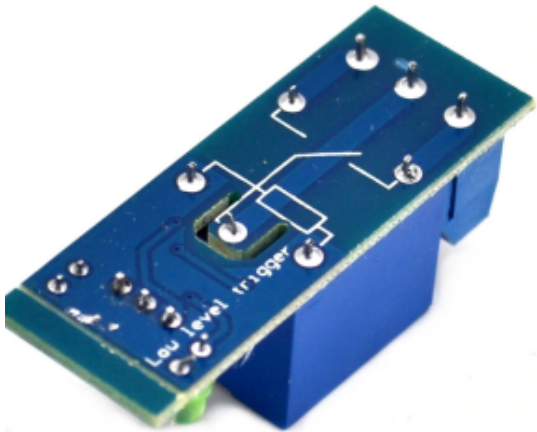
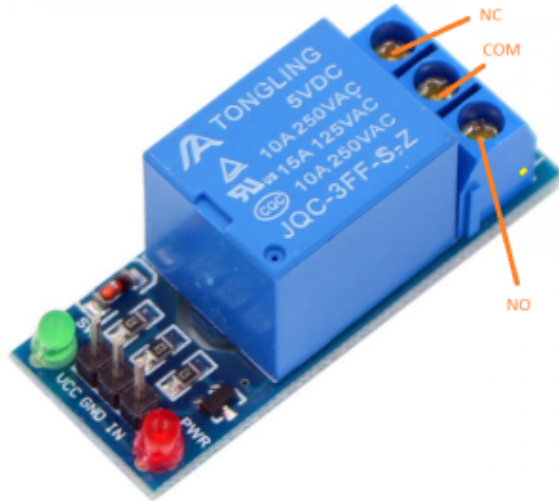


A blue relay module is mounted on a yellow plastic enclosure. The enclosure has several ventilation slots and mounting holes. The relay module is a small circuit board with a blue relay component and several pins. It is placed on a wooden surface.



HONGKONG RELAY

SUBMINATURE POWER RELAYS

Single Pole, 150mA, PC Board

JQC-3FF

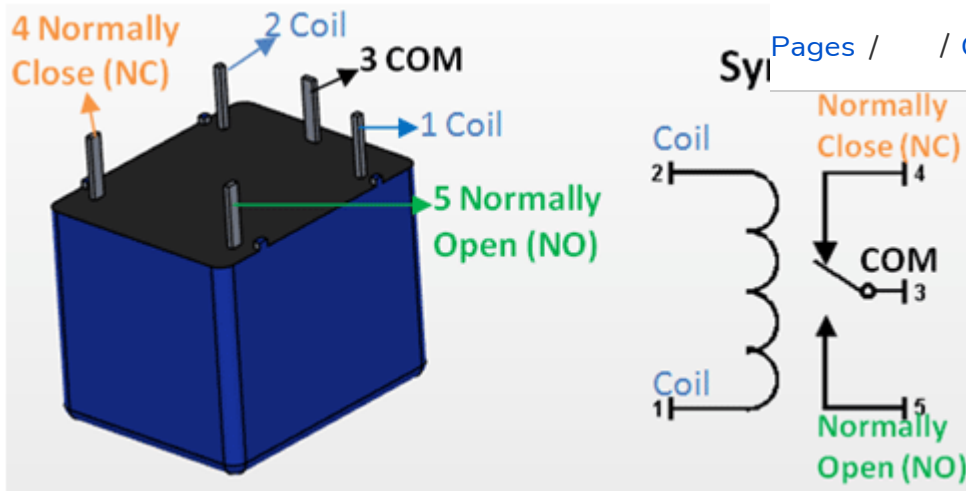
■CONTACT DATA

Intermittent	17mA @ 12VDC	17mA @ 12VDC	Joint resistance maximum	500 mΩ max
Rated Continuous Max. at 12VDC	10mA	10mA	Dielectric Strength	500VAC, 1 minute
Control Voltage	5VDC to 24VDC	5VDC to 24VDC	Resistance at 20°C	200Ω to 1.5kΩ
Contact Rating (100% Duty)	15A, 250VAC	15A	Rated Voltage	250VAC, 1 minute
Max. switching current	20A/250VAC	20A/250VAC	Coil resistance	100Ω to 1.5kΩ
Max. switching voltage	250VAC	250VAC	Coil inductance	10mH to 100mH
Switching speed	10VAC/10mA	10VDC/10mA	Temperature rise	60°
AC switching	15A/250VAC	15A/250VAC	Shock	100g/0.5 sec
DC switching	15A/250VDC	15A/250VDC	Shock	100g/0.5 sec
Turn-on time	10VDC/10mA	10VDC/10mA	Shock	100g/0.5 sec
Turn-off time	10VDC/10mA	10VDC/10mA	Shock	100g/0.5 sec
Forward	10VDC/10mA	10VDC/10mA	Available	80% to 95% BTH
Reverse	10VDC/10mA	10VDC/10mA	Anti-surge capability	50% to 75%
Life test	10VDC/10mA	10VDC/10mA	Temperature	0°C to 70°C
COIL			Unit weight	0.1g
Non-inductive	10VDC	10VDC	Construction	Solder & Soldered

Coil Specifications

Nominal Voltage (VDC)	Coil Resistance (Ω)	Drop-out (VDC)	Max. Absorption (μA/10V)	Coil Temperature (Maximum ±10%)
0.5	2.0	0.5	2.0	70
1.0	1.0	1.0	1.0	70
5	0.2	0.2	0.2	70
12	0.1	0.1	0.1	70
24	0.05	0.05	0.05	70
50	0.02	0.02	0.02	70
100	0.01	0.01	0.01	70

PDF



This relay is used to switch on the Power Supply by Raspberry Pi GPIO.

Specifications

- in line with international safety standards (control area and the load area has a separate slot)
- double-sided FR-4 circuit board design
- LED status
 - pull up bright (green light is on)
 - disconnect is not bright (green light is off)
 - red LED signaling power
- blue KF301 terminal
- module size: 43x17x18.5mm
- net weight: 15g
- Module Interface Output Section
 - NO - Normally Open
 - COM - Common
 - NC - Normally Closed
- Module Interface Input section
 - VCC: Connect 5V power supply positive (according to the relay voltage)
 - GND: Connect 5V power supply negative
 - IN: relay module signal trigger (low level active)

- High and low meaning:

- High-level trigger refers to the VCC side of the trigger connection, when the trigger side of the 0V voltage, the relay is sucked.
- Low-level trigger refers to the GND side of the negative voltage and the trigger side of a trigger connection, when the trigger side of the 0V voltage or voltage can be triggered when the relay is pulled.

- Relay contact capacity: 250V 10A (AC) or 30V 30A (DC)
- Electrical parameters

Voltage	Version Quiescent Current	Operating Current	Trigger Voltage	Trigger Current
5 V	4 mA	65 mA	0-2 V	2 mA
9 V	5 mA	45 mA	0-4 V	3 mA
12 V	5.5 mA	42 mA	0-4 V	3 mA
24 V	12 mA	40 mA	0-12 V	3 mA

[Zurück nach oben](#)