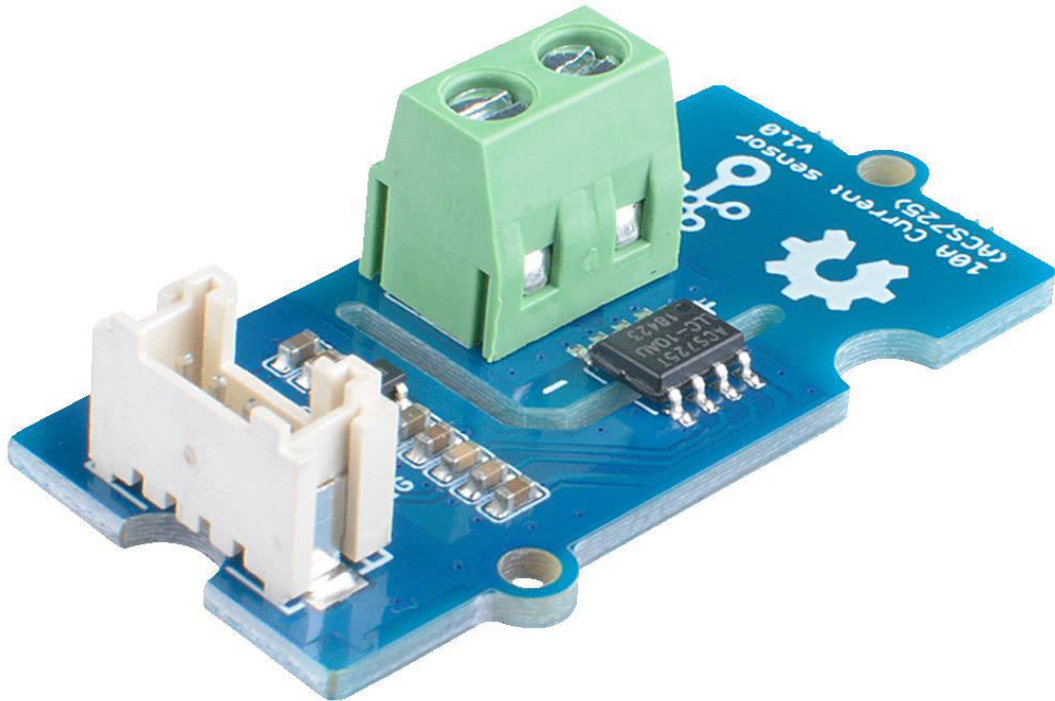




seeed studio
The IoT Hardware Enabler



The Grove - 10A DC Current Sensor (ACS725) is a high precision DC current sensor based on ACS725. The Allegro™ ACS725 current sensor IC is an economical and precise solution DC current sensing in industrial, automotive, commercial, and communications systems.

The Grove - 10A DC Current Sensor (ACS725) can measure the DC current up to 10A and has a base sensitivity of 264mV/A. This sensor does not support AC current.

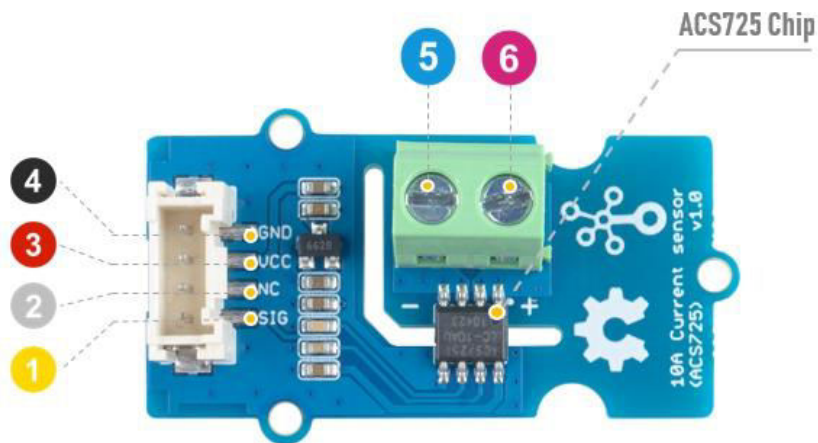
Danger

The human body is forbidden to touch the module during the test, otherwise there is danger of electric shock.

Features

- High-bandwidth 120 kHz analog output for faster response times in control applications
- Industry-leading noise performance with greatly improved bandwidth through proprietary amplifier and filter design techniques
- 1.2 mΩ primary conductor resistance for low power loss and high inrush current withstand capability
- Differential Hall sensing rejects common-mode fields

Pinout



- ④ GND: connect this module to the system GND
- ③ VCC: you can use 5V or 3.3V for this module
- ② NC: not connected
- ① SIG: analog output, output the current value to the MCU
- ⑤ Low side of current sensor
- ⑥ High side of current sensor

ECCN/HTS

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