

Grove - 10A DC Current Sensor (ACS725)

SKU 101020616

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 do not support AC current, if you want to measure the AC load please check the:

Grove - \pm 5A DC/AC Current Sensor (ACS70331)

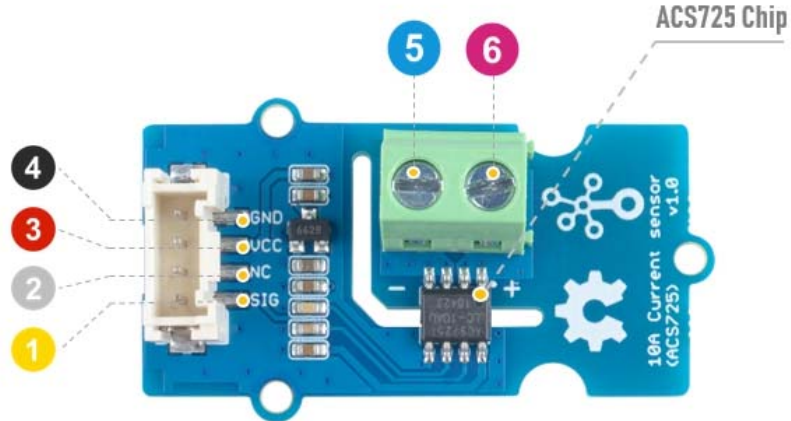
Danger

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 m Ω 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

ECCN	EAR99
HSCODE	9030900090
UPC	

