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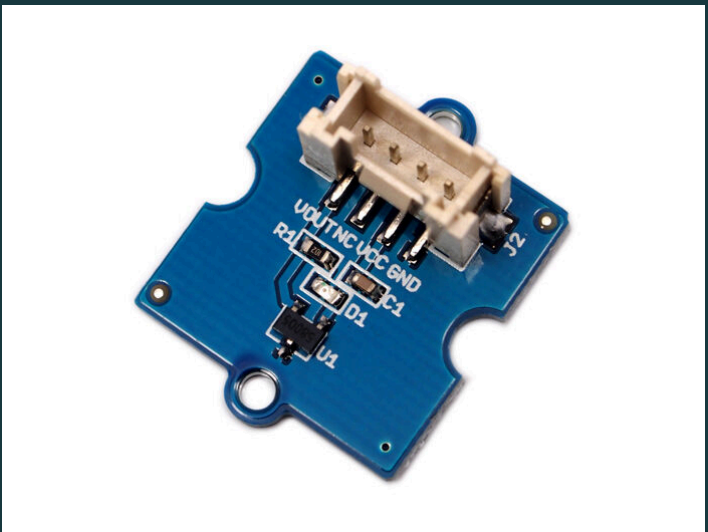
INDUSTRIAL PRODUCT DATASHEET

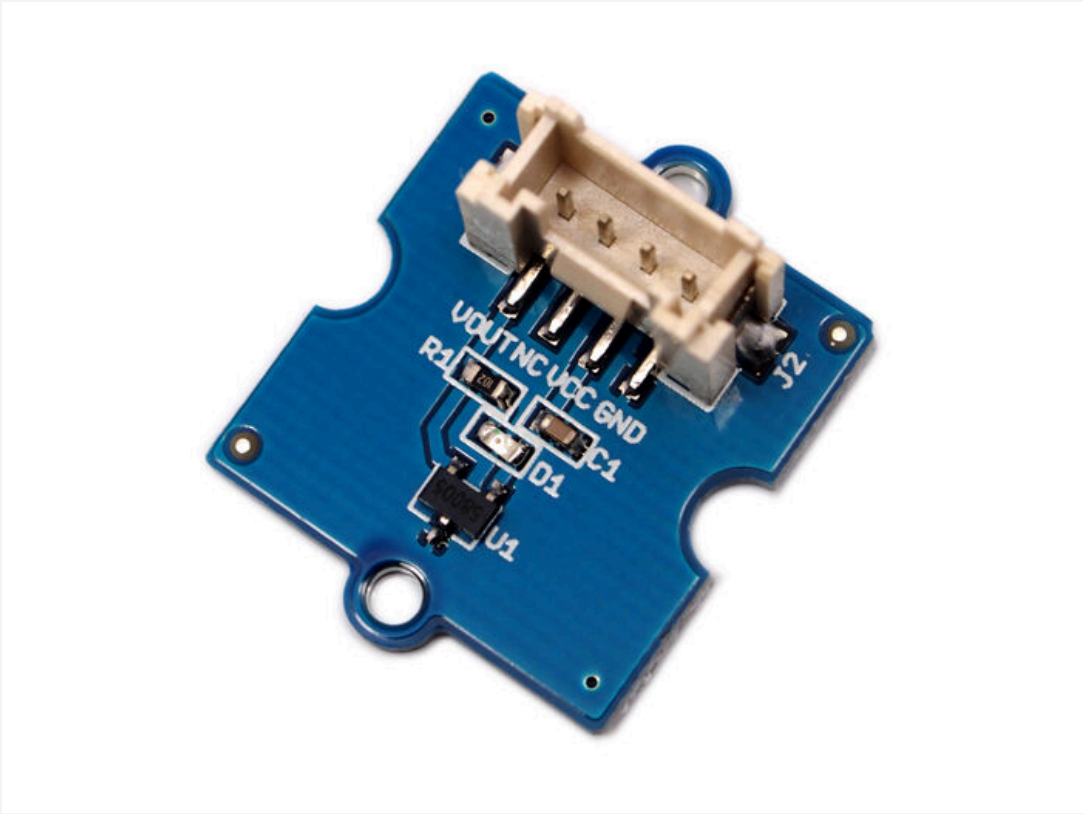
Grove - Hall Sensor

Grove - Hall Sensor is based on the A1101 Hall-effect magnetic switch.

SKU	UPDATED	PRICE
101020046	2026-11-11 07:40:23	$2.50(Excl. VAT)



Overview



Grove - Hall Sensor is based on the A1101 Hall-effect magnetic switch. Hall sensors are capable of measuring a wide range of magnetic fields and are sensitive to both the magnitude and orientation of the field. When used as electronic switches, they are less prone to mechanical failure.

Key Features

01 **Outstanding endurancee**

Non-contact, wear-free operation, low maintenance, and immunity to vibration, dust, and water, so no need to worry about mechanical failures.

02 **Rapid response**

Based on the A1101 Hall-effect magnetic switch, only 400ns transition period for rise and fall.

03 **Excellent reliability**

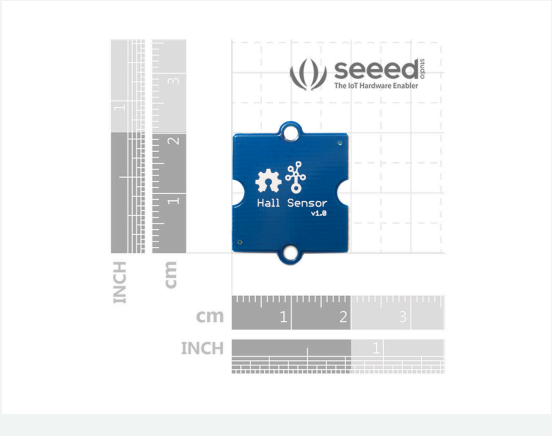
Stable operation even in extremely cold(-40℃) or hot conditions.（+85℃）

04 **Grove unified socket**

The sensor ensures "Plug and Play" and could be versatile for various applications.

Product Gallery





Applications

- **Pneumatic cylinder**
- **Computer printer**
- **Automotive systems that sense position, distance, and speed**
- **Direct-current (DC) transformers**
- **Automotive fuel-level indicator**
- **Keyboard switch**

Resource Links

- https://www.seeedstudio.com/Grove-Hall-Sensor-p-965.html
- Grove-Hall Sensor Schematic
- Hall Sensor Demo Code
- A1101 datasheet
- CDC File

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