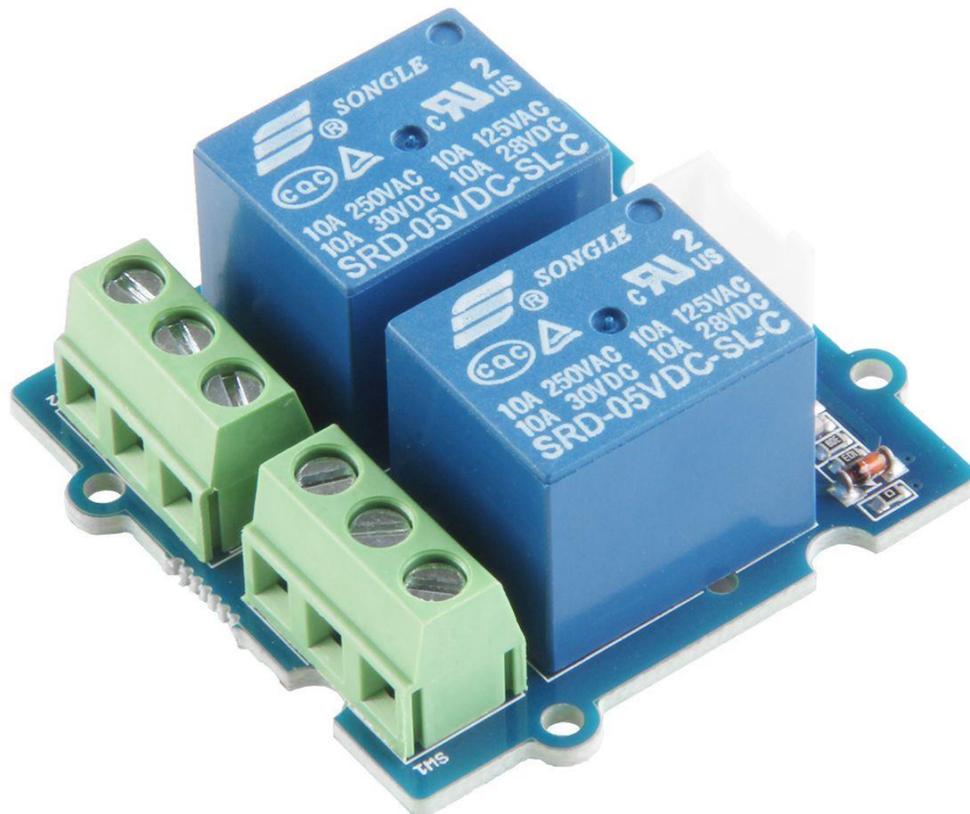


Grove - 2-Channel SPDT Relay - Datasheet

SKU

103020132

The Grove - 2-Channel SPDT Relay has two single pole - double throw (SPDT) switches. It only requires low-voltage and low current signals to control switches. Specifically, you can use 5V DC to control max.250V AC or 110V DC.



The Grove - 2-Channel SPDT Relay has two single pole - double throw (SPDT) switches. It only requires low-voltage and low current signals to control those switches. Specifically, you can use 5V DC to control max.250V AC or 110V DC.

The best thing is that you can control the two channels separately. For instance, controlled by SIG1, you can connect the COM1 to NC1 or NO1 as your wish.

It is so convenient and reliable that it can be applied to massive products or projects which need to switch high voltage/high current devices.

Features

- High-temperature resistant plastic shell
- High voltage load
- Low power consumption
- Long-lasting

Applications

- Domestic appliance
- Office machine
- Remote control TV receiver
- Monitor display
- Audio equipment high rushing current use application

Specification

- Operating voltage: 5V
- Nominal Coil Current: 89.3mA
- TUV Certification Load: 10A 250VAC/ 10A 30VDC
- UL Certification Load: 10A 125VAC/ 10A 28VDC
- Max. Allowable Voltage: 250VAC/110VDC
- Power Consumption: abt. 0.45W
- Contact Resistance: 100mΩ Max.
- Insulation Resistance: 100MΩ Min. (500VDC)
- Max. ON/OFF Switching: 30 operation/min
- Ambient Temperature: -40°C to +85°C
- Operating Humidity: 45% to 85%RH
- Contact Material: AgCdO
- Input interface: Digital SIG1/SIG2

- Output Port: 3 Pins DIP Female Screw Terminal-Green

Pin Map



- 4 GND: connect this module to the system GND
- 3 VCC: you can use 5V for this module
- 2 SIG2: conral signal of swith2, high-NO2/low-NC2
- 1 SIG1: conral signal of swith1, high-NO1/low-NC1
- 5 NC1: one throw, connected to COM1 by default
- 6 COM1: controlled by SIG1, connected to NC1 or NO1
- 7 NO1: the other throw of swith1
- 8 NC2: one throw, connected to COM2 by default
- 9 COM2: controlled by SIG2, connected to NC2 or NO2
- 10 NO2: the other throw of swith2

HSCODE	8536411000
USHSCODE	8536410020
UPC	841454120889
EUHSCODE	8531202090
COO	CHINA

Technical details

Dimensions	40mm x40mm x19mm
Weight	G.W 150g
Battery	Exclude

Part List

Part List

Grove - 2-Channel SPDT Relay	1
Grove Cable	1
Acrylic Case	1
A bag of Nylon nuts, studs and bolts	