

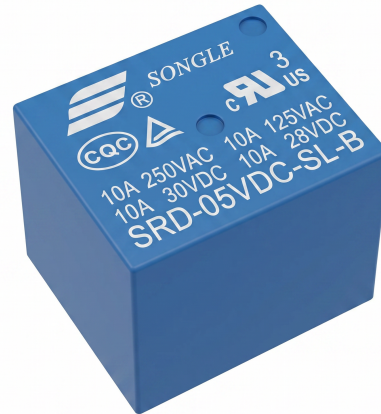
# Relay SRD-05VDC-SL-B, 5V DC/250V AC, 10A

## Product codes:

Reference: AM6210

EAN13: -

UPC: 85364190



## Product features:

Voltage: 5 V DC

Waterproof grade: IP65

Max. switching current: 10 A

Max. switching voltage: 250V AC /30 V DC

## Product attributes:

## Product description:

The Songle SRD-05VDC-SL-B relay is an electromagnetic switching element for use in control and power circuits. It serves for the separate control of a load using a coil powered by a 5 V direct current voltage. It is designed for mounting into printed circuit boards and for applications where it is necessary to switch an electrical circuit using a relay contact.

## Technical specifications

- Model: SRD-05VDC-SL-B
- Series: SRD
- Component type: electromagnetic relay
- Nominal coil voltage: 5 V DC
- Contact configuration: 1 Form B, normally closed contact NC
- Mounting: into a printed circuit board
- Nominal contact current: 10 A
- Switched contact voltage: 250 V AC for resistive load
- Switched contact voltage: 30 V DC for resistive load

## Functions and features

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- The relay allows control of the load circuit using a separate low-voltage coil circuit.
- The SL-B variant uses a normally closed contact, which is closed in the idle state and opens after switching on the coil.
- The design is intended for soldering into a printed circuit board.
- The electromagnetic principle ensures galvanic isolation between the coil and the contact circuit.
- The contact is designed for switching a resistive load within the limits of nominal values.

#### **Ideal for**

- Control and automation circuits with a coil powered by 5 V DC.
- Switching and disconnecting resistive loads using a relay contact.
- Design and repair of printed circuit boards.
- Laboratory, development, and service use in electrical engineering.
- Applications requiring a normally closed contact in the idle state.

#### **Package contents**

- Relay SRD-05VDC-SL-B.

#### **Why choose this product**

- The specific type designation allows unambiguous classification into the Sngle SRD series.
- The coil with 5 V DC power supply is suitable for low-voltage control circuits with a corresponding driver stage.
- The NC normally closed contact is suitable for connections where the circuit should be closed in the idle state.
- The design for PCB facilitates firm mechanical and electrical integration into an electronic device.

#### **Installation and operation instructions**

- Connect the relay only according to the wiring diagram for the specific SRD-05VDC-SL-B variant.
- Power the coil with a 5 V direct current voltage and use a suitable driver element if the control circuit does not supply the required current directly.
- When switching inductive loads, use appropriate protective elements against voltage spikes.
- On the printed circuit board, maintain sufficient insulation distances between the control and load parts of the circuit.
- Perform soldering in such a way as to prevent thermal damage to the relay housing or terminals.

#### **Safety warnings**

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