ACTUATOR

12V DC Solenoid Door Lock

A 12 V DC electric solenoid lock (door / cabinet lock). The bolt retracts when powered and locks again when power is removed. Use it with RFID, keypad or fingerprint projects to build smart locks.



Key Features

- 12 V DC operation
- Fail-secure: stays locked when power is off
- Slanted latch for self-locking doors
- Easy mounting

Technical Specifications

Voltage	12 V DC
Current	Several hundred mA. Check the label
Operation	Energise to unlock
Duty	Short pulses only (a few seconds)

Pinout / Connections

Red	+12 V (through a relay or MOSFET)
Black	GND

Typical Applications

- RFID door locks
- Keypad / password locks
- Smart cabinets and lockers
- Bluetooth-unlock doors

Usage Notes & Safety

! Never power it from an Arduino pin. Switch it with a relay module or a logic-level MOSFET plus a 1N4004 diode across the coil.

! Energise only for a few seconds at a time. Continuous power makes the coil overheat.