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## **Didactum Dual 12V Switching Relay Expansion Module**

Number: [DI13008](#)



The Dual 12V Switching Relay Expansion Module features two versatile relay outputs (switchable relay contacts) for controlling various devices and systems. It offers both relay outputs and potential-free transistor inputs, making it suitable for a wide range of applications.

The module can supply 5A of current for magnetic locks, deadbolts, electromagnets, sirens, light sources, heaters, air conditioners, and more. It offers two operating modes: open 5A relay outputs or a 12V output with 0.5A. The input can be connected to any device with potential-free transistor outputs.

### **Application Examples:**

- These applications demonstrate the versatility of the Dual 12V Switching Relay Expansion Module in various fields, from security and automation to HVAC and industrial applications.
- Access control systems: The dual 12V switching relay expansion module can be used to control magnetic locks or electronic door openers, enabling secure access to restricted areas.
- Alarm systems: In security applications, the dual 12V switching relay expansion module can activate sirens or warning lights when an alarm is triggered, ensuring immediate warning in the event of unauthorized access or emergencies.

## **Didactum Dual 12V Switching Relay Expansion Module**

### Function

- Relay expansion module with two switchable relay outputs
- Control of loads via relay contact or 12V output
- Also supports digital dry contact inputs

### Applications

- Magnetic and bolt locks - Electromagnets
- Heating and air conditioning systems

### Switching Capacity

- Max. switching current: 5 A
- Max. switching voltage: 250 VAC / 30 VDC
- Max. switching power: 1250 VA / 150 W
- Min. contact load: 5 VDC / 10 mA

### Connections

- Input: Terminal block, 3.5 mm pitch, 4-pin
- Outputs: Terminal block, 3.81 mm pitch, 6-pin
- Power supply: 12 V DC / 1 A (DC) 1.35) or 3.5 mm<sup>2</sup> 2-pole terminal
- Maximum distance: up to 200 m

### Electrical data

- Power consumption: 1 W

### Ambience conditions

- Operating temperature: -50 °C to +105 °C
- Humidity: 5% to 95% (non-condensing)

### Mechanical data

- Dimensions: 90 × 36 × 34 mm
- Weight: 200 g
- Scope of delivery: Housing, power supply, and terminals

### General

- Origin: EU - HS code: 9025 11 800



