Electromagnetic door lock K01, 150kg

Reference: AM8749
EAN13: -
HS code: 83014090

Product attributes:

Tension: 5 V DC, 12 V DC, 24 V DC

Product features:

Connector: JST SM 2-pin
Waterproof grade: IP22

Product description:

The K01 electromagnetic lock is designed for locking doors and covers in applications where electrical release for a short pulse is required. The lock is locked in the idle state and releases the latch after power is applied for a defined period of time.

Technical specifications

- Type: electromagnetic door lock (lock locked at rest)
- Power supply: DC 12V / DC 24V
- Rated current: 2 A (at 12 V), 1 A (at 24 V)
- Maximum load (latch force): 150 kg
- **Maximum opening time (impulse): 0.5 s**
- Working temperature: -40 to +60 °C
- Body dimensions: 73 × 58 × 13 mm
- Cable length: 170 mm
- Design: metal body, outlet on 2-core cable with connector
- Lifespan: approximately 500,000 cycles (under design conditions)
- Mechanical emergency release: manual release element

Functions and features

- Idle state: locked (no power)
- Release after applying voltage for a short time pulse
- Mechanical design suitable for installation in doors, cabinets and boxes
- Possibility of manual unlocking using a mechanical element on the lock body (depending on version)

Ideal for

- dispensing and delivery boxes
- lockers and storage boxes
- cooling and technical cabinets
- mailboxes and parcel boxes
- self-service kiosks and access systems with impulse unlocking

Package contents

- 1× electromagnetic lock K01 with counterpiece

Why choose this product?

- defined electrical parameters for 12 V and 24 V DC applications
- high mechanical resistance of the latch with a specified load of 150 kg
- compact dimensions suitable for integration into smaller doors and covers
- Impulse unlocking with a maximum opening time of 0.5 s for controlled access systems
- wide operating temperature range for use in technical installations

Quick guide

- Ensure the correct DC 12 V or DC 24 V power supply according to the selected mode and size the power supply for the specified rated current.
- To unlock, apply voltage only as a short pulse, maximum 0.5 s.
- Adjust the mechanical counterpart (catch) so that there is no tension and the lock fits securely.

Safety notice

- Do not use long-term power supply in the unlocked state; the lock is designed for impulse control.
- Before assembly, disconnect the power supply and check the polarity and voltage level.
- In applications with personal safety requirements, assess the suitability of the locking type (fail-secure) with respect to evacuation and standard requirements.