

Cisa 1A721

Cisa Elettrika 1A721 Electric Lock Instruction Manual

Model: 1A721

1. PRODUCT OVERVIEW

The Cisa Elettrika electric lock is designed for metal gates and doors, providing secure opening and closing with high resistance to forced entry and reduced noise. It features a rotating hook bolt for high tensile strength, a steel protection shield, and a self-adjusting metal nozzle.

Key features include:

- **Immediate and Reliable Closure:** The rotary hook clasp ensures instant closure and minimizes bounce. The self-adjusting nozzle compensates for gate offsets over time.
- **Guaranteed Opening:** Operates reliably even with voltage drops, ensuring electrical release down to 3V.
- **High Burglary Resistance:** Features a patented metal rotary hook bolt with up to 2000 kg tensile strength and a steel protection shield. Certified up to grade 6 security by European standard EN 14846.
- **Quiet Operation:** A specialized charging system allows for quieter opening compared to conventional electric locks.
- **Reversible Handing:** Easily configurable for left or right-hand opening.
- **Adjustable Entry:** Variable entry from 50mm to 80mm.
- **Weather Resistant:** Epoxy powder coating and treated internal components provide increased resistance to atmospheric agents.

2. SAFETY INFORMATION

Read all instructions carefully before installation and use. Failure to follow these instructions may result in damage to the product, property, or personal injury.

- Ensure the power supply is disconnected before performing any installation or maintenance.
- Installation should be performed by qualified personnel.

- Use only specified voltage (DC 12V AC) and current (3A).
- Do not modify the lock or its components. Unauthorized modifications may compromise security and void the warranty.
- Keep children away from the gate/door during operation.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Cisa Elettrika Electric Lock with cylinder mounted
- Fixing screws
- 3 keys
- 2 thicknesses
- Instruction Sheet
- Nozzle
- Pad
- Solder Plate

4. INSTALLATION

The Cisa Elettrika lock is designed for easy installation and is interchangeable with many existing locks, maintaining the position of the holes. It can be configured for both left and right-hand opening.

4.1. Determining Opening Hand

The lock's opening direction (left or right) can be reversed with a simple operation. Refer to the diagram below to determine the correct configuration for your gate or door.

Serratura da applicare ElettriKa

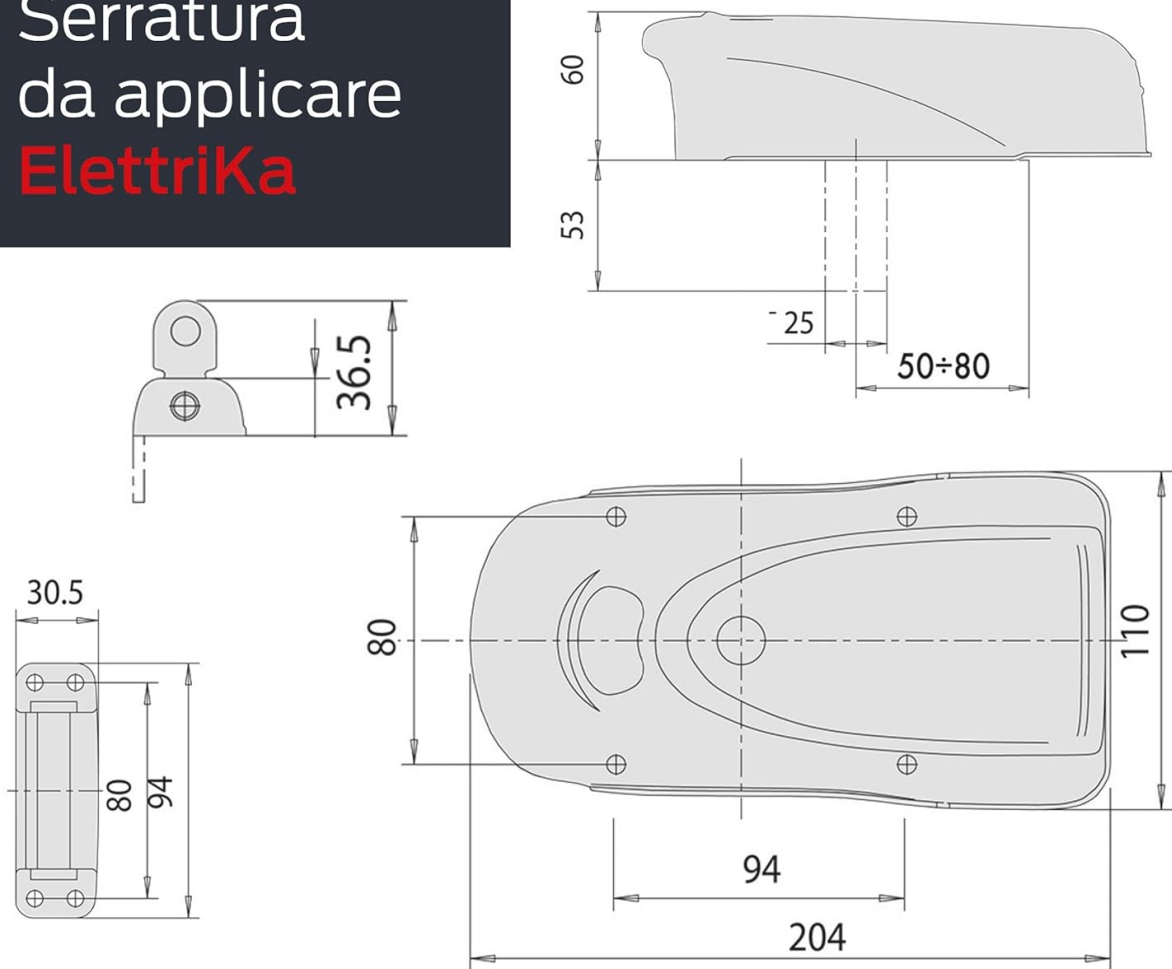


Image 1: Opening Scheme Diagram. This diagram illustrates the acceptable (SI - Yes) and unacceptable (NO - No) configurations for internal and external, left and right-hand door openings. Ensure your installation matches an 'SI' configuration for proper function.

The diagram indicates that for internal openings, both left and right-hand configurations are supported. For external openings, neither left nor right-hand configurations are supported by the depicted 'NO' examples, implying the lock is primarily for internal-facing applications or requires specific external mounting not shown in these 'NO' examples. Always ensure the lock is installed to allow for correct and secure operation.

4.2. Mounting Dimensions

Refer to the dimension diagram for precise measurements required for mounting the lock and its components. The variable entry can be adjusted from 50mm to 80mm.

Schema di apertura

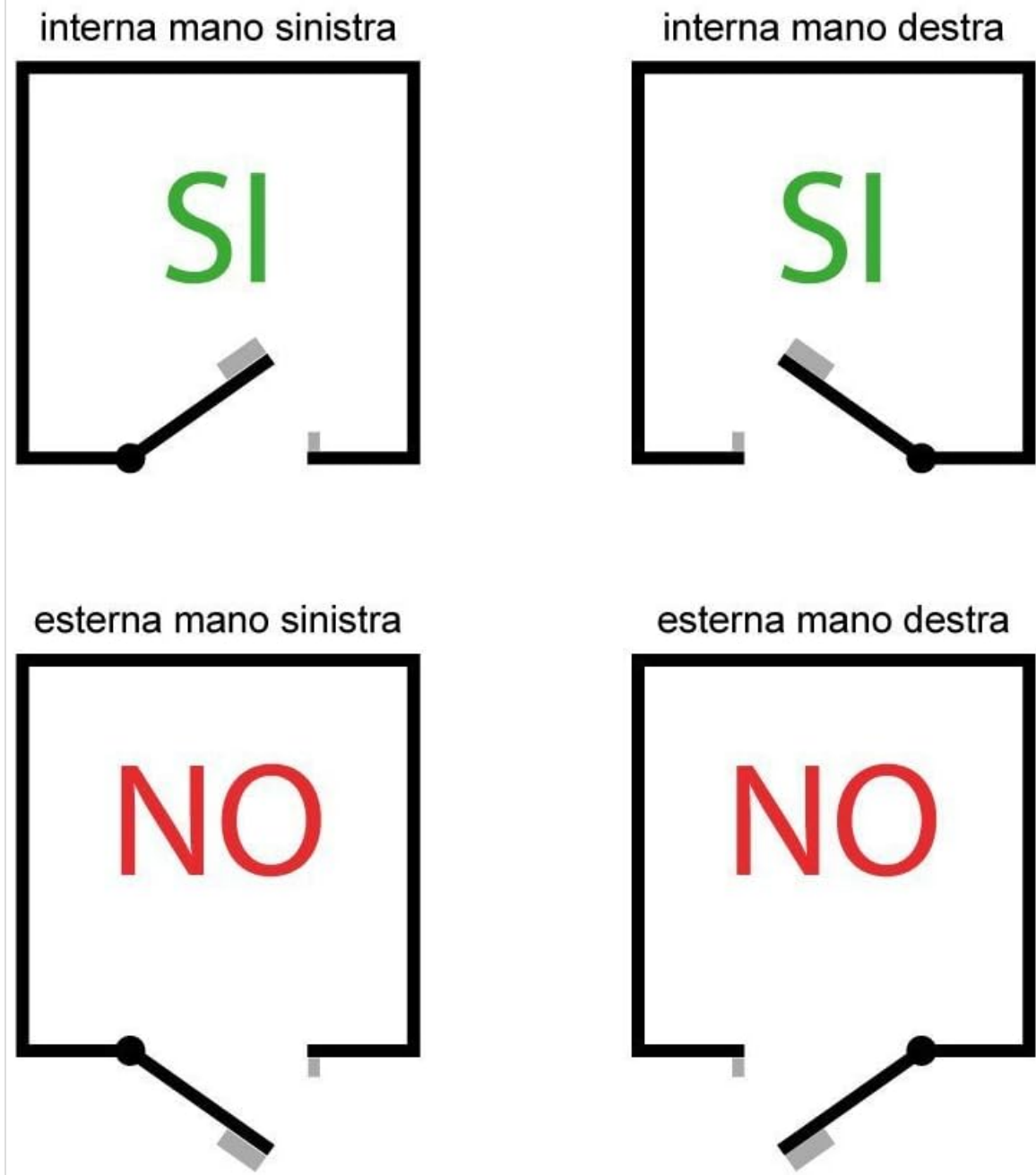


Image 2: Technical Dimensions. This image provides detailed measurements for the Cisa Elettrika lock and its associated components, including overall dimensions, mounting points, and the adjustable entry range (50-80mm). Use these measurements for accurate drilling and positioning during installation.

4.3. Wiring

Connect the lock to a DC 12V AC power supply. The current consumption is 3A. Ensure all electrical connections are secure and insulated to prevent short circuits and ensure safe operation.

- Disconnect power before wiring.
- Connect the power supply wires to the designated terminals on the lock.
- If using a remote control system, integrate it according to its specific instructions, ensuring compatibility with the lock's electrical requirements.

5. OPERATION

The Cisa Elettrika lock offers two primary opening modes:

5.1. Courtesy Opening

This is the traditional opening mode. Upon receiving an electrical pulse (e.g., from a button or remote control), the lock mechanism releases, and the door/gate is moved to the open position. This mode is suitable for immediate and visible opening.

5.2. Open Ready Function

With the electric pulse, the lock will open with maximum silence. The gate or door will remain closed until manually pushed open. This function provides a discreet opening and is useful when you want to control the exact moment of entry.

5.3. Optional Booster Plus Module (Not Included)

For enhanced functionality, the optional Booster Plus module (sold separately) can be integrated. This system allows the gate/door to automatically re-close if no one accesses it within a user-defined time after an opening pulse. This feature adds an extra layer of security by preventing the gate from remaining open unintentionally.

6. MAINTENANCE

The Cisa Elettrika lock is designed for durability with an epoxy powder coating and treated internal components, offering increased resistance to atmospheric agents like salinity and rain. Regular maintenance helps ensure optimal performance and longevity.

- **Cleaning:** Periodically clean the exterior of the lock with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish.
- **Lubrication:** Lightly lubricate moving parts of the mechanism (e.g., the rotary hook bolt) with a non-greasy, silicone-based lubricant annually, or more frequently in harsh environments.
- **Inspection:** Regularly inspect the lock for any signs of wear, damage, or loose components. Check the electrical connections for corrosion or fraying.
- **Nozzle Adjustment:** The self-adjusting metal nozzle helps compensate for gate offsets. If you notice significant misalignment or difficulty in closing, inspect the nozzle and gate alignment.
- **Key Maintenance:** Keep keys clean and free of debris. Do not force a key if it feels stiff; apply a small amount of graphite lubricant to the keyway if necessary.

7. TROUBLESHOOTING

If you encounter issues with your Cisa Elettrika lock, refer to the following common problems and solutions:

- **Lock does not open electrically:**
 - Check the power supply (DC 12V AC) and ensure it is connected and active.
 - Verify all wiring connections are secure and free from damage or corrosion.
 - Ensure the electrical pulse duration is sufficient for activation.
 - Check for any obstructions preventing the lock mechanism from moving freely.
- **Lock is noisy during operation:**

- While the lock is designed for quiet operation, excessive noise might indicate a need for lubrication of moving parts.
- Check for misalignment between the lock and the strike plate/nozzle.
- **Gate/door does not close properly:**
 - Inspect the self-adjusting metal nozzle and ensure it is correctly aligned with the gate.
 - Check for any physical obstructions preventing the gate from closing fully.
 - Verify that the gate hinges are functioning correctly and the gate is not sagging.
- **Key is difficult to turn:**
 - Apply a small amount of graphite lubricant to the keyway.
 - Ensure the key is fully inserted and is the correct key for the lock.
 - Check for any debris in the keyway.

If the problem persists after attempting these solutions, contact Cisa customer support or a qualified technician.

8. SPECIFICATIONS

Feature	Detail
Model Number	1A721
Brand	Cisa
Lock Type	Cylinder
Material	Steel, Plastic
Finish Type	Powder Coated
Color	Dark Grey
Item Dimensions (L x W x H)	8.27 x 4.72 x 4.33 inches (21 x 12 x 11 cm)
Item Weight	2.1 Kilograms
Special Feature	Weather Resistant
Recommended Uses	Gates, Doors
Voltage	DC 12V AC
Current Consumption	3A
Entry Adjustment	50mm to 80mm
Security Certification	EN 14846 Grade 6

9. WARRANTY AND SUPPORT

The Cisa Elettrika 1A721 Electric Lock comes with a **12-month manufacturer warranty**.

For technical support, warranty claims, or further assistance, please contact Cisa customer service through their official website or the retailer where the product was purchased. Ensure you have your proof of purchase and product model number (1A721) available when contacting support.