

Technical specifications of the latch lock with Bluetooth LE and NFC

Mechanical specification	Weight per Set	Complete Set 200 Gramm
Electrical specifications	Equipment class as per Directive 1999/5/EC	Class 2
	Wireless Standard: Bluetooth Low Energy	Transmitting power up max. 10 meters (open field)
	Frequency band	2,4 GHz Band
	Battery type	CR 123A 3V
Ambient conditions	Operating temperature	+5°C bis +35°C (41°F to 95°F)
	Relative humidity operation	20% bis 75% (not condensing)

Disposal



Danger!

The electronics of the latch lock with Bluetooth LE and NFC contains a lithium-ion battery. Dispose of this battery in accordance with national regulations. When disposing of partly discharged batteries, ensure that no accidental short circuits can occur between the poles of the battery (for example due to key fob in pocket of clothing...): danger of explosion and fire. Fasten the partly discharged battery for transport using non-conductive adhesive film in such a way that no short-circuits can occur.



Important!

Separate electronics of the latch lock with Bluetooth LE and NFC from the other parts and dispose of in accordance with local regulations and directives.

Warranty conditions

This product was designed and manufactured carefully. At the moment of purchase the warranty amounts 12 months for material and manufacturing failures. The warranty starts with the date of purchase for 12 months. The product can be exchanged prior to certification of the proof of purchase.

The warranty conditions are limited to costfree exchange of the product or repair. Costs and risks caused by transport, installation or de-installation of the product and all other costs caused by the repairing will not be compensated. Liability for consequential loss—no matter which type—are strictly excluded.

Congratulations on your purchase of the latch lock with Bluetooth LE and NFC. With this decision you have acquired locking technology with which you can lock and secure furniture without a key but nevertheless in a controlled, safe way.



Important!

The user's manual must be accessible for operators. In addition, general and local regulations on accident prevention and environmental protection are to be observed.

General safety instructions



Important!

If the door is closed when starting up or changing the battery without inserting the battery, the door cannot be opened via radio signals: it is necessary to break the door open. Follow the exact instructions for installation and start-up of the radio systems and replacement of the batteries. Remove the flat battery and to prevent a malfunction, **wait at least 30 seconds before inserting a new battery**. Observe correct polarity (+/-) at the battery case and the battery itself. **Do not store locks with insert battery - never directly side by side and together with data media, as otherwise implies the battery very fast.**



Important!

During installation of the lock and strike plate, ensure that the door is not pre-stressed and stresses are not transferred to the locking system. There is a risk that the latch can no longer open → malfunction. Avoid doors which are pre-loaded with a rubber profile.

Intended use

Authorised opening of an electronic lock by means of coded smartphone via NFC. The Smartphone must have an Android OS Release 5. The function of the lock with NFC is only guaranteed when it is used on non-conductive materials (wood, plastic) with an external NFC antenna. The reading distance is dependent on the smartphone. For metal doors or doors with metal coating please test the NFC antenna before.

The unauthorized opening by means of coded smartphone via Bluetooth LE. Smartphone must have an Android OS version 5 or a smartphone version from iPhone5. The smartphone must be compatible with Bluetooth Low Energy (BLE 4.0) standard.

Forseeable misuse

Use of the lock in explosive environments. Use of the lock outside of the stipulated specifications. For damage resulting from incorrect use the customer bears sole responsibility, the manufacturer accepts no liability whatsoever.

Conversions or modifications

Any type of modification to the latch lock with Bluetooth LE and NFC is not permitted. The electromagnetic conduct of the latch lock may be impaired by additions or modifications of any kind. Therefore do not carry out any modifications or additions to electric/electronic components.

Replacement and wear parts and process materials

The use of replacement parts from third-party manufacturers may lead to dangers. Use only original parts or parts approved by the manufacturer.

KleverKey Lock B1 with Bluetooth LE and NFC



- Contactless and invisible identification for your smartphone Bluetooth LE and NFC
- Compatible with smartphones with Bluetooth LE and NFC
- Use with hinged doors, flaps and drawers in the furniture sector
- The highly encrypted opening the lock works without mobile network and Internet connection
- Programming and management on Android and IOS App
- Event memory about cloud on the WEB
- Authorization assignment directly from the smartphone
- 4 different operating modes via App adjustable
- Up to 20,000 openings or max. 10 months for battery replacement
- Free App is installed from Google Play / Apple Store
- NFC read range up to 20 mm, depending on the smartphone and the installation situation
- Bluetooth Reading distance up to 10 meters depending on the smartphone and the installation situation

Quick Start Guide

Obligation of the user

The user undertakes only to allow persons to work with the latch lock with Bluetooth LE and NFC who:

- have been instructed in working with the latch lock with Bluetooth LE and NFC
- have read and understood this user's manual.

Warning signals of the latch lock with Bluetooth LE and NFC

The lock is equipped with a 3V battery, which can up to 20,000 openings or maximum 2 years work. It always takes a check of battery state even if no opening means of wireless technology took place. On Smartphone the current battery status is indicated on the display in every communication. If the battery level is low, the lock unlocking automatic.

Aim of the latch lock with Bluetooth LE and NFC

The latch lock with Bluetooth LE and NFC is a compact, cable-free furniture lock for cupboards and drawers. The opening takes place with an electric motor, when closing the system locks itself. As a "key" you use Smartphones with the "KleverKey" App. By contactless identification through a legitimate smartphone at the door, the system will be "activated" and opened.

The smartphone is easy to program or erase. The installation of the lock with the closing part is possible without holes in the front door.

Functional description

Authorised opening of an electronic lock in furniture using your coded smartphone. The Smartphone must be registered with the free app "KleverKey". All information directly on the Internet at www.kleverkey.com or read this QR code with your smartphone and install the „KleverKey“ App from Swissprime.



Components of the latch lock With Bluetooth LE and NFC

Components of the latch lock with:

- Latch lock with changeable case
- closing part with break and spring discharge for the automatic door opener
- 2 pc pins for closing part
- Mounting Plates for 2-leaf doors
- Battery CR123A
- Sticker with ID and PIN Code
- screws
- Tool to replace the case
- Manual



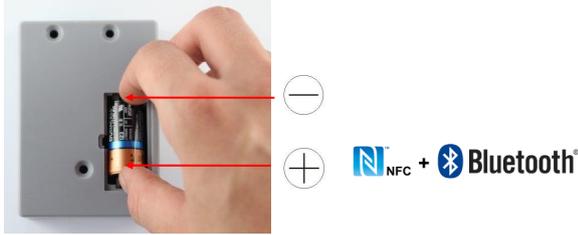
Packaging changes possible

Latch lock With Bluetooth LE and NFC installation

When unpacking, check whether the components as per the description are present. Dispose of the packaging in accordance with the applicable regulations of your country.

Insert battery

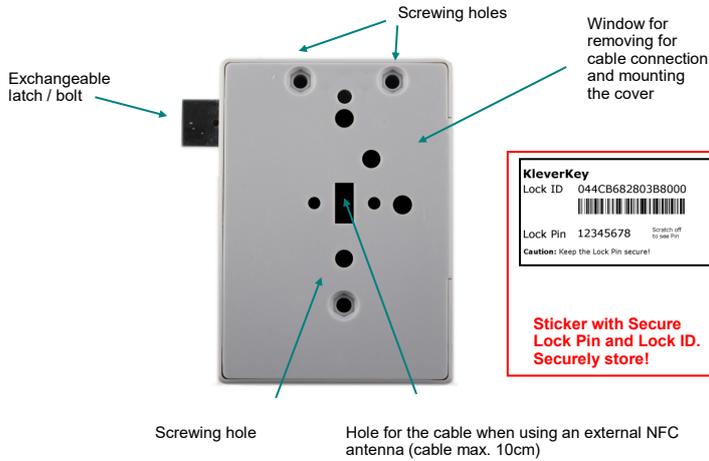
1. Open the battery compartment Remove the battery from the packaging.
2. Insert the battery with the correct polarity (+/-) in the battery compartment.
3. Close battery compartment cover



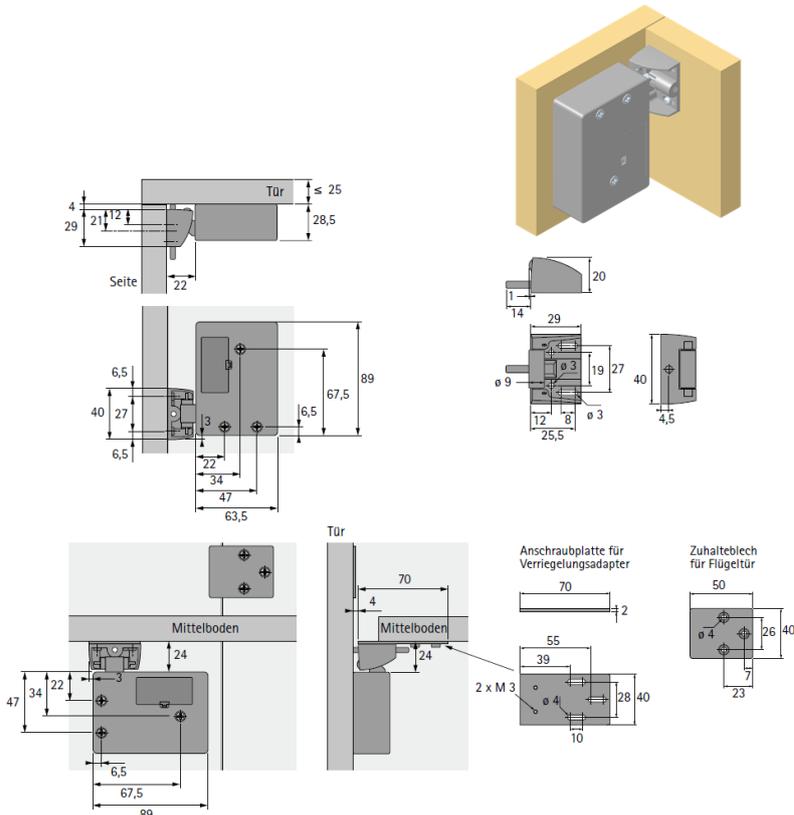
→ The device is ready for programming. The reader antenna is activated!

Important: Take the battery out for storage and transport!

Latch lock With Bluetooth LE and NFC general survey



latch lock With Bluetooth LE and NFC assembly Instructions



Note!

The lock assembly of furniture and the closing part must always be mounted so that the door in the closed state has at least 0.5 mm distance. This tolerance is necessary for the emergency opening in case of the low battery. Make sure that the smartphone used have a very good reading quality. There should always be a comfortable reading distance be available from the front of the cabinet of at least 5-10 mm (NFC). The mounting distance between two locks should be approx. 10 cm. There is otherwise a risk of interference of the fields of the reading panels. That can cause discharge of the battery.

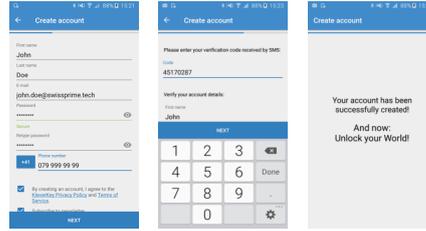
Program the Latch lock With Bluetooth LE and NFC

On delivery, the lock is neutral. Programming can be carried out/changed at any time, as described in the following. Standard configuration means no smartphone is programmed. The mode „standard“ is activated (automatically closing of the latch). The programming procedure as described in the following, can be done/changed at every time.

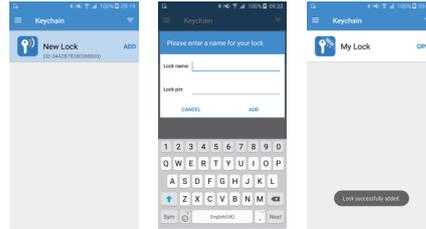
- 1.) Installing the app from the Google Store or Apple Store. To find under **KleverKey**



- 2.) Registration (one-time) in the system, follow the instructions on the smartphone:

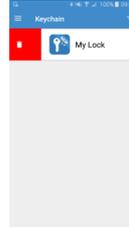


- 3.) Turn on the smartphone Bluetooth on. The KleverKey App displays the new lock. Then assign the name of your lock. Now you are the owner of the lock.



- 4.) Now you can open the lock with the **OPEN** button.

- 5.) If you want to delete the lock, just pull to the left, enter pin code, ready.



- 6.) All other information can be found on the Internet under www.kleverkey.com.



Important Information!

The lock is always supplied with a security sticker with the unique Lock ID and Lock Pin. Each lock gets its own label. The sticker is very important and must be kept in a safe place. With the lock ID number, you can identify the lock with the KleverKey App and Bluetooth LE. With the lock pin you can change the owner (Smartphone) from the lock. Furthermore, with this pin code and the KleverKey Android Service Mode you can made various settings such as reprogram mode like open/close, different locking times and different lock types.

Assembling distance (alternative - external NFC antenna)



EEC- declaration of conformity

in accordance with the directives

2004/108/EC 1999/5/EC 1999	Directive on electro-magnetic compatibility (EMC) Directive on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity (R&TTE)
2002/96/EC 2003	Directive on waste electric and electronic equipment (WEEE)
2011/65/EC	Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast)

for the product: **latch lock with Bluetooth LE and NFC**

The following harmonised standards are applied:

EN 300330.2 V1.3.1 : 2006
EN 301489-3 V1.4.1 : 2002
EN ISO 12100: 2010
EN 50364 : 2010